BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 132

May Rehearing Order

UNITED STATES OF AMERICA
DEPARTMENT OF ENERGY

Order No. 202-25-3B
ORDER ADDRESSING ARGUMENTS RAISED ON REHEARING

(Issued September 8, 2025)

1. On May 23, 2025, pursuant to section 202(c) of the Federal Power Act (FPA),[1] and section 301(b) of the Department of Energy Organization Act,[2] the Secretary of Energy (Secretary) issued an order (Emergency Order) determining that "an emergency exists in portions of the Midwest region of the United States due to a shortage of electric energy, a shortage of facilities for the generation of electric energy, and other causes . . . ."[3] In the Emergency Order, the Secretary determined that "additional dispatch of the Campbell Plant is necessary to best meet the emergency and serve the public interest for purposes of FPA section 202(c)."[4] Requests for rehearing were filed by Public Interest Organizations (PIOs);[5] Michigan Attorney General Dana Nessel (Michigan AG); the States of Minnesota and Illinois (Minnesota and Illinois); and the Organization of MISO States (OMS).[6] Comments were filed by the Michigan Public Power Agency (MPPA) and the Maryland Office of People's Counsel (Maryland OPC).

2. On July 28, 2025, the Department of Energy (DOE) issued a notice of denial of rehearing by operation of law and providing for further consideration (DOE Notice). However, as provided in sections 202(c) and 313(a) of the FPA,[7] we are modifying the discussion in the Emergency Order and continue to reach the same result in this Order, as discussed below.[8]

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[1] 16 U.S.C. § 824a(c).

[2] 42 U.S.C. § 7151(b)

[3] Department of Energy Order No. 202-25-3 (May 23, 2025) (Emergency Order).

[4] *Id.* at 2.

[5] Sierra Club, Natural Resources Defense Council, Michigan Environmental Council, Environmental Defense Fund, Environmental Law and Policy Center, Vote Solar, Public Citizen, Union of Concerned Scientists, the Ecology Center, and Urban Core Collective refer to themselves collectively as Public Interest Organizations.

[6] OMS also filed a notice of clarification to identify which of its members voted in support of filing only a petition to intervene and which of its members voted in support of filing a petition to intervene and a request for rehearing.

[7] 16 U.S.C. § 824a(c); 16 U.S.C. § 825*l*(a). In the context of FPA section 202(c) orders, the DOE interprets FPA section 313's references to "the Commission" to mean the DOE.

[8] *See Allegheny Def. Project v. FERC*, 964 F.3d 1, 16-17 (D.C. Cir. 2020). The Department is not

I. Background

3. In the Emergency Order, the Secretary determined that "an emergency exists in portions of the Midwest region of the United States due to a shortage of electric energy, a shortage of facilities for the generation of electric energy, and other causes, and that issuance of this Order will meet the emergency and serve the public interest."[9]

4. The Emergency Order provided substantial support for the Secretary's emergency determination. The Emergency Order explained that, in its 2025 Summer Reliability Assessment, the North American Electric Reliability Corporation (NERC) indicated that "[d]emand forecasts and resource data indicate that MISO is at elevated risk of operating reserve shortfalls during periods of high demand or low resource output."[10] The Emergency Order observed that multiple generation facilities in Michigan have retired in recent years, specifically identifying the closures of two nuclear plants—Big Rock Point and Palisades. The Emergency Order explained that the retirement of the Campbell Plant would further decrease the amount of available dispatchable generation in the Midcontinent Independent System Operator, Inc. (MISO) service territory, noting that a combined 1,575 MW of natural gas and coal-fired generation had retired since the summer of 2024.[11] The Emergency Order stated that MISO's 2025/2026 Planning Resource Auction results indicated that, for the North/Central sub-regions, "new capacity additions were insufficient to offset the negative impacts of accreditation, suspensions/retirements and external resources" and that, while the results "demonstrated sufficient capacity," the summer months reflected the "highest risk and a tighter supply-demand balance[;]" and the results "reinforce the need to increase capacity."[12]

5. In the Emergency Order, the Secretary determined that continued operation of the Campbell Plant is necessary to best meet the emergency and serve the public interest for purposes of FPA section 202(c). This determination was based on the insufficiency of dispatchable capacity

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changing the outcome of the Emergency Order. *See Smith Lake Improvement & Stakeholders Ass'n v. FERC*, 809 F.3d 55, 56-57 (D.C. Cir. 2015).

[9] Emergency Order at 1.

[10] *Id.* (quoting *2025 Summer Reliability Assessment*, North American Electric Reliability Corporation, at 16 (May 2025), https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_SRA_2025.pdf (NERC 2025 Summer Reliability Assessment). The Emergency Order stated that NERC anticipates "elevated risk of operating shortfalls" notwithstanding Consumers Energy's acquisition of a 1,200 MW natural gas power plant in Covert, Michigan. *Id.* at 1-2.

[11] *Id.*

[12] *Id.* (citing MISO, *Planning Resource Auction Results for Planning Year 2025-26* (Apr. 2025). After the Emergency Order was issued, on May 29, 2025, MISO posted a corrected version of the presentation, which is available here: https://cdn.misoenergy.org/2025%20PRA%20Results%20Posting%2020250529_Corrections694160.pdf.

and an anticipated increase in demand during the summer months, resulting in a risk to public health and safety caused by the potential loss of power to homes and local businesses in areas that may be affected by curtailments or outages. The Emergency Order was limited in duration to align with the emergency circumstances. In recognition of potential conflict with environmental standards and requirements and consistent with FPA section 202(c), the Secretary placed specific conditions on the operation of this necessary additional generation.[13]

II. Discussion

1. The Secretary's Authority to Require the Campbell Plant to Continue to Operate

6. Michigan AG, PIOs, Minnesota and Illinois, and OMS argue that the Emergency Order impermissibly exceeds the Secretary's statutory authority under FPA section 202(c) in various respects.[14] For instance, Michigan AG and PIOs argue that the Emergency Order, in effect, impermissibly asserts the authority to further its policy decisions by managing issues unrelated to addressing emergencies but rather concerning resource adequacy and electric generation facilities—issues which are reserved for the states and the Federal Energy Regulatory Commission (FERC), pursuant to other provisions in the FPA.[15] Minnesota and Illinois additionally contend that the Emergency Order impermissibly intrudes on the states' authority to make plant retirement decisions.[16]

7. Minnesota and Illinois also assert that section 202(c) has been used sparingly to address retirements like the Campbell Plant, and "only when requested by the operator or local government" in the context of an emergency.[17]

8. In a related argument, OMS asserts that the Emergency Order did not adequately consult with or incorporate the findings of MISO and other relevant state regulatory bodies, which they claim have primary jurisdiction over resource planning, sitting, and cost recovery for utilities operating in their states.[18]

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[13] Emergency Order at 2-3.

[14] Michigan AG Pet. § IV.B; PIO Pet. § IV.C; Minnesota and Illinois Pet. § V.E; OMS Pet. § B.

[15] *See* Michigan AG Pet. § IV.B.i (citing 16 U.S.C. § 824(b)(1) and 16 U.S.C. §§ 824d, 824e); PIO Pet. at 44 (citing 16 U.S.C. § 824(a)); *id*. at 45 (citing *FERC v. Elec. Power Supply Ass'n*, 577 U.S. 260, 281 (2016)).

[16] Minnesota and Illinois Pet. at 27.

[17] *Id.* at 24.

[18] *Id.* at 30-31.

9. Minnesota and Illinois also assert that the Emergency Order, subparagraph E, impermissibly calls for state governments to assist in its execution.[19] In particular, Minnesota and Illinois claim that the Emergency Order's directive that "the relevant governmental authorities are directed to take such action"—*i.e.*, effectuate the dispatch and operation of the Campbell Plant's units—unlawfully violates the Tenth Amendment of the United States Constitution.[20]

The DOE's Determination

10. There is no dispute that the Secretary has the statutory authority under FPA section 202(c) to (1) determine that an emergency exists, and then (2) exercise his judgment to address that emergency. Rather, Petitioners claim that the Secretary exceeded that authority in directing MISO and Consumers Energy to undertake specific actions to keep the Campbell Plant in operation. As explained below, these claims have no merit.

11. Section 201(b)(1) of the FPA specifically reserves authority over "facilities used for the generation of electric energy" for the states "*except as specifically provided* in this subchapter."[21] Section 202(c) constitutes one such carve out. It grants the Secretary the "authority, either upon [the Secretary's] own motion or upon complaint, with or without notice, hearing, or report, to require by order such temporary connections of facilities and such generation, delivery, interchange, or transmission of electric energy as in [the Secretary's] judgment will best meet the emergency and serve the public interest." Congress thus purposely provided discretion in section 202(c) to require changes to the operation of the U.S. electricity system on a temporary basis, including changes to the operations of electric generation facilities.

12. Michigan AG and PIOs attempt to avoid this clear grant of authority by arguing that the Emergency Order addresses issues unrelated to emergencies but rather concern resource adequacy.[22] But placing a different label on the Secretary's action cannot change the fact that actions taken in the Emergency Order fall squarely within the authority granted by section 202(c). By its terms, that section specifically applies to the potential "shortage of electric energy or of facilities for the generation or transmission of electric energy," which is exactly the situation that led to the issuance of the Emergency Order. And section 202(c) specifically authorizes the Secretary to "require by order . . . such generation . . . of electric energy as in [the Secretary's] judgment will best meet the emergency and serve the public interest," which is exactly the action the Emergency Order requires.

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[19] *Id.* at 31.

[20] *Id.*

[21] 16 U.S.C. § 824(b)(1) (emphasis added).

[22] *See* Michigan AG Pet. § IV.B.i (citing 16 U.S.C. § 824(b)(1) and 16 U.S.C. §§ 824d, 824e); PIO Pet. at 44 (citing 16 U.S.C. § 824(a)); *id*. at 45 (citing *FERC v. Elec. Power Supply Ass'n*, 577 U.S. 260, 281 (2016)).

13. Nor is there any requirement under section 202(c), as Minnesota and Illinois and OMS suggest,[23] for the Secretary to consult with the impacted states prior to issuing a section 202(c) order. Section 103 of the DOE Organization Act requires consultation with states "where practicable."[24] In an emergency situation, it is often not practicable to consult with the states and relevant state agencies prior to taking emergency action. This point is further supported by the plain language of section 202(c), which specifically authorizes DOE to issue an emergency order "with or *without notice*."[25]

14. Finally, the argument that the Emergency Order violates the Tenth Amendment[26] is incorrect. The Emergency Order provides that "[t]he extent to which MISO's current Tariff provisions are inapposite to effectuate the dispatch and operation of the units for the reasons specified herein, the relevant governmental authorities are directed to take such action and make accommodations as may be necessary to do so."[27] Had the Emergency Order directed State governments or their instruments to take such an action, there would, of course, be a constitutional issue, grounded perhaps in regards to the 10th Amendment, but even more directly in the anti-commandeering clause. But that was not the intended endpoint, however, for the avoidance of doubt, we provide clarification that the Order does not direct State governments or their instrumentalities to take such actions.

15. Here, there is no state tariff provision which governs wholesale energy sales. DOE clarifies that the relevant authorities to which the Emergency Order refers are MISO and FERC. DOE is not requiring state governmental authorities to take any action with respect to the Emergency Order.

2. The Secretary's Authority to Determine the Existence of an Emergency

16. Michigan AG, PIOs, Minnesota and Illinois, and OMS each raise similar arguments that the Emergency Order failed to meet the legal definition of an "emergency" within the meaning of FPA section 202(c).[28] For instance, Michigan AG argues that, while section 202(c) "permits some measure of flexibility with respect to what type of events may cause the emergency, allowing for 'other causes' beyond those enumerated," it only authorizes action during extraordinary

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[23] *See, e.g.*, Minnesota and Illinois Pet. § V.E; OMS Pet. at 4.

[24] 42 U.S.C. § 7113.

[25] 16 U.S.C. § 824a(c)(1) (emphasis added).

[26] Minnesota and Illinois Pet. at 31-32.

[27] Emergency Order at 3.

[28] Michigan AG Pet. § IV.A; PIO Pet. § IV.A.1; Minnesota and Illinois Pet. § V.B; OMS Pet. §§ II.A, D.

circumstances.[29] Michigan AG,[30] PIOs,[31] and Minnesota and Illinois[32] cite to the definition of "emergency" in DOE's regulations at 10 C.F.R. § 205.371 and argue that the Emergency Order exceeded the scope of that definition. Michigan AG[33] and PIOs[34] also cite to various dictionary definitions of "emergency" to assert the same point.

17. Further, Michigan AG,[35] PIOs,[36] and Minnesota and Illinois[37] each rely on *Richmond Power and Light v. FERC*, 574 F.2d 610 (D.C. Cir. 1978), and *Otter Tail Power Co. v. Federal Power Commission*, 429 F.2d 232 (8th Cir. 1970), for the proposition that courts have interpreted section 202(c) narrowly to apply only to temporary emergencies requiring an imminent response.

The DOE's Determination

18. In enumerating emergency powers in section 202(c), Congress accorded the Secretary discretion to determine the existence of an emergency. The statute's plain text grants the Secretary authority to respond, in certain circumstances, to emergencies posing dire threats to the Nation's electric infrastructure. Specifically, the Secretary "*shall* have authority" to act "*whenever* the [Secretary] determines that an emergency exists."[38] Next, the statute sets forth three different categories of emergencies where section 202(c) action is permissible. An emergency may exist "by reason of [1] a sudden increase in the demand for electric energy, or [2] a shortage of electric energy or of facilities for the generation or transmission of electric energy, or of fuel or water for generating facilities, or [3] other causes."[39]

19. Section 202(c)(1) delegates a wide degree of latitude for the Secretary to determine the existence of an emergency, "either upon its own motion or upon complaint, with or without notice,

[29] Michigan AG Pet. at 24.

[30] Michigan AG Pet. at 26.

[31] PIO Pet. at 28-29.

[32] Minnesota and Illinois Pet. at 22-23.

[33] Michigan AG Pet. at 25.

[34] PIO Pet. at 26.

[35] Michigan AG Pet. at 25-26.

[36] PIO Pet. 26-27.

[37] Minnesota and Illinois Pet. at 24.

[38] 16 U.S.C. § 824a(c)(1) (emphases added).

[39] *Id.* (brackets added).

hearing, or report." Beyond providing exemplar categories of where an "emergency exists," the statute is silent on any additional requirements that must be satisfied. Here, as is evident from the face of the Emergency Order, and as is consistent with section 202(c)'s text and prior DOE practice, the Secretary exercised his authority under section 202(c) and determined, in his statutory discretion and substantive expertise, that "an emergency exists in portions of the Midwest region of the United States due to a shortage of electric energy, a shortage of facilities for the generation of electric energy, and other causes."[40]

20. The argument that the Secretary can act only when a shortage of electricity is "imminent" makes no sense in the context of his statutory authority under section 202(c) to act to address a "shortage of . . . facilities for the generation . . . of electric energy." As a general matter, some retired generation facilities generally cannot be brought back online in a matter of days. If the Secretary was required to wait until a blackout is "imminent" before addressing a shortage of generation facilities, he will be unable to take any meaningful action to address the blackout. Determining to take action before the retirement of the Campbell Plant, which was necessary to ensure that it would be available to produce electric energy to prevent blackouts in summer peak load periods, falls well within the Secretary's statutory discretion.

21. The definition of "emergency" contained in DOE's regulations at 10 C.F.R. § 205.371 does not supersede the discretion section 202(c) affords to the Secretary to "determine[] that an emergency exists." In any event, those regulations specifically provide that "[e]xtended periods of insufficient power supply as a result of inadequate planning or the failure to construct necessary facilities can result in an emergency as contemplated in these regulations." Accordingly, the Secretary's emergency determination is entirely consistent with the governing statutory requirements in section 202(c) and the DOE's regulations.

22. Similarly, the dictionary definitions cited by Michigan AG[41] and PIOs[42] are not persuasive. Those definitions cannot limit the discretion Congress expressly delegated to the Secretary in section 202(c).

23. The arguments made by Michigan AG,[43] PIOs,[44] and Minnesota and Illinois[45] based on the *Otter Tail Power* and *Richmond Power and Light* decisions likewise are misguided. *Otter Tail Power* did not limit the Secretary's section 202(c) discretion or the meaning of "emergency" because the court held that section 202(c) *did not apply* to the case. Instead, *Otter Trail Power*

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[40] *See* Emergency Order at 1.

[41] Michigan AG Pet. at 25.

[42] PIO Pet. at 26.

[43] Michigan AG Pet. at 25-26.

[44] PIO Pet. 26-27.

[45] Minnesota and Illinois Pet. at 24.

involved section 202(b) of the FPA dealing with permanent interconnection (and not an "emergency" within the meaning of section 202(c)).[46] In *Richmond Power and Light*, the Court of Appeals for the D.C. Circuit held that the Federal Power Commission (FPC) did not abuse its discretion in *declining* to invoke its emergency powers under section 202(c).[47] The court determined that the FPC had discretion to choose a temporary, voluntary program rather than issue an order pursuant to section 202(c), as the circumstance, in the FPC's discretion, did not warrant the use of emergency authority.[48]

24. A more relevant decision is *Board of Trade of the City of Chicago v. Commodity Futures Trading Commission*.[49] In that case, the Court of Appeals for the Seventh Circuit recognized the broad powers of the Commodity Futures Trading Commission (CFTC) to issue emergency actions under section 8a(9) of the Commodity Exchange Act (7 U.S.C. § 12a(9)). Through section 8a(9), the CFTC issued an emergency order for the Board of Trade to suspend trading in a certain wheat futures contracts, citing transportation and warehouse shortages and potential market manipulation.[50] In response, the Board of Trade sought an injunction against the order, arguing that no emergency existed. The district court granted a preliminary injunction, and the CFTC appealed.[51] In its decision to vacate and remand the district court's preliminary injunction, the Seventh Circuit concluded that Congress intended to grant the CFTC discretion in making emergency determinations under the Commodity Exchange Act.[52] The court reasoned: "Congress recognized that regulation of the volatile futures markets could be accomplished effectively only through the use of an expert Commission, that situations could occur suddenly for which the traditional enforcement powers would be an inadequate response, and that therefore the Commission should have emergency powers, the exercise of which is committed to the expertise and discretion of the Commission."[53] In addition, "[t]he fact that the Commission is authorized by Congress to take emergency action is, in itself, a suggestion of Congressional intent to commit

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[46] *See Otter Tail Power Co. v. Federal Power Commission*, 429 F.2d 232 (8th Cir. 1970) (*Otter Tail Power)* (rejecting petitioner's contention that "any proceedings in the instant case must be dealt with in compliance with § 202(c)").

[47] *See Richmond Power and Light v. FERC*, 574 F.2d 610 (D.C. Cir. 1978) (*Richmond Power and Light*) at 615.

[48] *Id.* at 614-15.

[49] *Board of Trade of the City of Chicago v. Commodity Futures Trading Commission*, 605 F.2d 1016, 1025 (7th Cir. 1979)

[50] *See Board of Trade of the City of Chicago v. Commodity Futures Trading Commission*, 605 F.2d 1016, 1025 (7th Cir. 1979) at 1018.

[51] *Id.* at 1019-20.

[52] *Id.* at 1023-25.

[53] *Id.* at 1025.

such actions to the Commission's discretion."[54] Given the similarities between FPA section 202(c) and section 8a(9) of the Commodity Exchange Act, the *Board of Trade* decision confirms the conclusion that Congress intended to grant the Secretary broad discretion to determine when his emergency powers should be applied to protect the public interest.[55]

25. Finally, the assertion of Minnesota and Illinois that the Emergency Order is "novel" and contravenes prior practice wherein section 202(c) was used to address retirements "only when requested" has no merit.[56] On its face, section 202(c)(1) authorizes the Secretary to act "*either upon its own motion or upon complaint*." It is undisputed that section 202(c) has been used in the past to address generation retirements. Under the statute, it is irrelevant whether a utility requested that the Secretary take this action.

26. In sum, the Secretary acted within his authority to determine the existence of an emergency and the statutory meaning of "emergency" has been satisfied here. In its 90-year history, no court has questioned the Secretary's (or, prior to its dissolution in 1977, the FPC's)[57] discretion in this respect, much less overturned the Secretary's determination that an emergency exists. The absence of such circumstances underscores the Secretary's authority as expressly delegated in the statute.

3. The Factual Basis to Support the Secretary's Emergency Determination

27. Michigan AG, PIOs, Minnesota and Illinois, and OMS also raise similar objections that there is no factual basis to support the Emergency Order, and that the Secretary is required to submit substantial evidence in support of his emergency determination.[58]

28. *First*, Michigan AG, PIOs, Minnesota and Illinois, and OMS criticize the Emergency Order's references to the 2025 NERC Summer Reliability Assessment.[59] For instance, Michigan AG claims that the Emergency Order fails to explain (1) how NERC's assessment supports an emergency finding, as NERC did not put MISO in the high-risk category; (2) why NERC's designation of "elevated" risk represents a sudden or unexpected circumstance, as MISO has been

[54] *Id.* at 1023.

[55] *See id.* at 1023-25.

[56] *See* Minnesota and Illinois Pet. at 24.

[57] The FPC was dissolved in 1977, and the FPC's functions were split between FERC and the Department, with the Secretary retaining FPA section 202(c) power.

[58] Michigan AG Pet. §§ IV.A(ii), IV.C; PIO Pet. § IV.A.2; Minnesota and Illinois Pet. § V.A; OMS Pet. § II.A.

[59] Michigan AG Pet. at 27-29, 37; PIO Pet. 32-35; Minnesota and Illinois Pet. at 19-20; OMS Pet. at 2-3. OMS also contends that NERC's long-term and seasonal assessments are unreliable and inconsistent. OMS Pet. at 3.

at this risk level or higher for years; and (3) why the "potential tight reserve margins" identified by NERC constitute an emergency, as MISO exceeded the NERC reference margin level in the 2020-2025 period.[60]

29. *Second*, Michigan AG and PIOs contend that the retirement of the Campbell Plant was not unexpected or sudden, and that generation retirement does not constitute an emergency.[61] Michigan AG further states that MISO approved the retirement of the Campbell Plant after an extensive process.[62]

30. *Third*, Michigan AG, PIOs, and Minnesota and Illinois also assert that the April 2025 MISO Planning Resource Auction does not demonstrate the existence of an emergency.[63] For example, according to Michigan AG, the Emergency Order ignored MISO's conclusion that the 2025/2026 Planning Resource Auction "demonstrated sufficient capacity at the regional, subregional and zonal levels."[64]

31. Minnesota and Illinois also contend that the Emergency Order failed to consider MISO's purported history of performance in several extreme weather events and, according to Minnesota and Illinois, MISO currently is not afflicted by any unexpected outage or extreme weather event.[65]

The DOE's Determination

32. The exigencies that Section 202(c) is designed to address necessarily require that the Secretary's determination is informed by the facts available at the time and by his sound expert judgment as to what situations constitute an emergency. The statute's express exclusion of any notice, hearing, or report requirements prior to issuance of a section 202(c) order confirms the commonsense fact that the Secretary must exercise his section 202(c) authority expeditiously and with broad discretion in responding to emergency situations.

33. In any event, the Secretary's determination that an emergency exists is supported by the factual evidence and the exercise of the Secretary's judgment. The Emergency Order identified the ongoing emergency "in portions of the Midwest region of the United States due to a shortage

[60] Michigan AG Pet. at 37.

[61] *Id.* at 30, 37; PIO Pet. 29-30.

[62] Michigan AG Pet. at 39

[63] *Id.* at 30-32, 38; PIO Pet. at 30-32; Minnesota and Illinois Pet. at 20-21.

[64] Michigan AG Pet. at 39 (citing Attachment B, MISO, Planning Resource Auction, Results for Planning Year 2025 – 2026 (April 2025) at 12).

[65] Minnesota and Illinois Pet. at 22.

of electric energy, a shortage of facilities for the generation of electric energy, and other causes."[66] Consistent with this determination, the Emergency Order explains the need to increase capacity to meet the increasingly high demands and decreasing generation output.[67]

34. In 2021, Consumers Energy announced that it planned a "speed closure" of the Campbell Plant in 2025, years before the end of its scheduled design life.[68] Specifically, the Campbell Plant was scheduled to retire on May 31, 2025, and thus would not be operational in August, the month the Secretary anticipated heightened demand on the grid.[69] In the Emergency Order, the Secretary noted that the Campbell Plant's retirement was part of an ongoing trend, which has seen 1,575 MW of natural gas and coal-fired generation retired since the summer of 2024, further decreasing the amount of dispatchable generation within MISO's service territory.[70] Although MISO and Consumers Energy have incorporated the Campbell Plant's planned retirement into their supply forecasts, as well as Consumers Energy's acquisition of an existing 1,200 MW natural gas power plant in Covert, Michigan, NERC's 2025 Summer Reliability Assessment still anticipated "elevated risk of operating reserve shortfalls."[71]

35. Michigan AG, PIOs, Minnesota and Illinois, and OMS mischaracterize the 2025 NERC Summer Reliability Assessment's designation of "elevated risk" for the MISO region. This assessment reflects NERC's determination that "resources will not be sufficient to meet operating reserves" in the event of "extreme peak-day demand with normal resource scenarios" or "normal peak-day demand with reduced resources."[72] The NERC assessment of "elevated risk" suggests that there will be significant strain on the grid in the MISO service area even in normal operating conditions. If the Secretary had waited to act until the conditions identified by NERC arose, it would have been too late for him to take any effective action.

36. Petitioners note that MISO and Consumers Energy have incorporated the Campbell Plant's planned retirement into their supply forecasts and acquired a 1,200 MW natural gas power plant in Covert, Michigan. However, NERC's 2025 Summer Reliability Assessment anticipated

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[66] *See* Emergency Order at 1.

[67] *See id.* (noting recent closures of generation facilities in Michigan and uncertain near-term future of generation from the Palisades nuclear power plant).

[68] *See Consumers Energy Announces Plan to End Coal Use by 2025; Lead Michigan's Clean Energy Transformation*, Consumers Energy (June 23, 2021), https://www.consumersenergy.com/news-releases/news-release-details/2021/06/23/consumers-energy-announces-plan-to-end-coal-use-by-2025-lead-michigans-clean-energy-transformation.

[69] Emergency Order at 1.

[70] *Id*.

[71] *Id.* (citing NERC 2025 Assessment).

[72] NERC 2025 Assessment at 10.

"elevated risk of operating reserve shortfalls" even including the Covert Plant's capacity.[73] The fact that Consumers Energy acquired this existing plant to replace the Campbell Plant did not forestall the emergency.

37. Similarly, MISO's approval of the retirement of the Campbell Plant came before NERC's 2025 Summer Reliability Assessment, which took into account increased demand projections.

38. Michigan AG, PIOs, and Minnesota and Illinois' respective criticisms[74] of the Secretary's reliance on the April 2025 MISO Planning Resource Auction ignore that MISO stated that the summer months reflected the "highest risk and a tighter supply-demand balance" and the results of the auction "reinforce the need to increase capacity."[75] In addition, the May 2025 NERC assessment referenced a Seasonal Outlook issued by the National Oceanic and Atmospheric Administration (NOAA) on April 17, 2025, which estimated that much of the Midwest had a 33%-40% chance to experience above-normal temperatures in the summer.[76] DOE also notes that a Seasonal Outlook released by the NOAA on June 19, 2025 increased this estimate to a 40%-50% chance of above-normal temperatures.[77]

39. Similarly, the argument of Minnesota and Illinois that the MISO region does not face current "extreme" weather events misses the mark.[78] The Emergency Order was based on the facts known at the time it was issued in May 2025, including the projected potential for a shortage of capacity in the summer identified by NERC. In other words, the Secretary was required to act before the shortage actually occurred. Moreover, contrary to the contentions of Minnesota and Illinois, the conditions that actually existed in the summer following issuance of the Emergency Order further confirm the ongoing emergency and sudden increased threats to energy reliability. In June 2025, MISO issued alerts affecting the Central Region on 18 days. For instance, on June 23, 2025, MISO issued an Energy Emergency Alert 1 for the North and Central Regions "[d]ue to the hot weather and high demand" during a heat dome over the eastern portion of the United States.[79] In fact, between June 11 and August 18, MISO issued dozens of alerts to manage grid

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[73] Emergency Order at 1 (citing to NERC 2025 Assessment).

[74] Michigan AG Pet. at 30-32, 38; PIO Pet. at 30-32; Minnesota and Illinois Pet. at 20-21.

[75] *Planning Resource Auction Results for Planning Year 2025-26,* MISO (Apr. 2025). (Corrected and reissued on 05/29/25) available at https://cdn.misoenergy.org/2025%20PRA%20Results%20Posting%2020250529_Corrections694160.pdf.

[76] NERC 2025 Assessment at 9.

[77] *Seasonal Outlook,* NOAA Climate Prediction Ctr., (July 17, 2025), https://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1.

[78] Minnesota and Illinois Pet. at 22.

[79] *See* MISO Energy Emergency Alert 1 (June 23, 2025),

reliability in its Central Region in response to hot weather, severe weather, high customer load, forced generation outages, and transfer capability limits. MISO issued alerts for the Central Region on at least 40 of the 69 days between June 11 and August 18.

40. In addition, the Secretary took section 202(c) action in the context of a National Energy Emergency declared by the President in the months prior to the Emergency Order. In executive orders dated January 20, 2025, and April 8, 2025, the President underscored the dire energy challenges facing the Nation due to growing resource adequacy concerns. The President recognized, in Executive Order 14156, "Declaring a National Energy Emergency," that the "United States' insufficient energy production, transportation, refining, and generation constitutes an unusual and extraordinary threat to our Nation's economy, national security, and foreign policy."[80] In view of the National Energy Emergency, in Executive Order 14262, "Strengthening the Reliability and Security of the United States Electric Grid," the President explained that "the United States is experiencing an unprecedented surge in electricity demand driven by rapid technological advancements, including the expansion of artificial intelligence data centers and an increase in domestic manufacturing."[81] Significantly, Executive Order 14262 specifically ordered the Secretary to draw upon "all mechanisms available under applicable law, *including section 202(c) of the Federal Power Act*, to ensure any generation resource identified as critical within an at-risk region is appropriately retained as an available generation resource within the at-risk region."[82] The executive orders informed the Secretary's decision and action, in addition to the other factors outlined in the Emergency Order and this Order.

41. Grid operators, including MISO itself, have likewise acknowledged the Nation's current energy crisis. For instance, during a March 25, 2025 hearing before the House Committee on Energy and Commerce, Jennifer Curran, the Senior Vice President of Planning and Operations for MISO, testified that "the MISO region faces resource adequacy and reliability challenges due to the changing characteristics of the electric generating fleet, inadequate transmission system infrastructure, growing pressures from extreme weather, and rapid load growth."[83] Ms. Curran also described "much stronger growth [in demand for electricity] from continued electrification efforts, a resurgence in manufacturing, and an unexpected demand for energy-hungry data centers

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https://x.com/MISO_energy/status/1937172353118548150.

[80] Exec. Order No. 14156, 90 Fed. Reg. 8433 (Jan. 20, 2025).

[81] Exec. Order No. 14262, 90 Fed. Reg. 15521 (Apr. 8, 2025).

[82] *Id.* (emphasis added).

[83] Keeping the Lights On: Examining the State of Regional Grid Reliability Hearing Before the House Committee on Energy and Commerce, Subcommittee on Energy, 119th Cong. (Mar. 25, 2025) (statement of Ms. Jennifer Curran, Senior Vice President for Planning and Operations, Midcontinent Independent System Operator), at 5, witness-testimony_curran_eng_gridoperators_03.25.2025.pdf.

to support artificial intelligence."[84] She added, "[a] growing reliability risk is that the rapid retirement of existing coal and gas power plants threatens to outpace the ability of new resources with the necessary operational characteristics to replace them."[85]

42. Finally, DOE's assessment reveals that, if current retirement schedules and incremental additions remain unchanged, most regions—including the MISO region relevant to the Emergency Order—will face unacceptable reliability risks within five years. The action taken in the Emergency Order requiring the Campbell Plant to continue to operate before its planned retirement on May 31, 2025 addresses that risk.[86]

43. In sum, the Secretary's determination in the Emergency Order that continued operations of the Campbell Plant fully complies with section 202(c).

4. Potential Environmental Impacts

44. Michigan AG and Minnesota and Illinois raise similar arguments that the Emergency Order fails to comply with section 202(c)'s requirement to ensure that any order "to the maximum extent practicable, is consistent with any applicable Federal, State, or local environmental law or regulation and minimizes any adverse environmental impacts."[87] In particular, Michigan AG and PIOs argue that the Emergency Order fails to identify any specific criteria or conditions for ensuring compliance with environmental regulations or limiting environmental impact.[88]

The DOE's Determination

45. Section 202(c)(2) requires the Secretary to ensure that any section 202(c) order that may result in a conflict with a requirement of any environmental law or regulation to the "maximum extent practicable, [be] consistent with any applicable . . . environmental law or regulation and minimize[] any adverse environmental impacts." Contrary to Michigan AG and Minnesota and Illinois' contentions, the Emergency Order contains certain limitations to minimize the hours of operation and adverse environmental impacts. Specifically, the Emergency Order requires that "[a]ll operation of the Campbell Plant must comply with applicable environmental requirements, including but not limited to monitoring, reporting, and recordkeeping requirements, to the maximum extent feasible,"[89] and requires daily reporting from MISO on "whether the Campbell

[84] *Id.* at 6.

[85] *Id.* at 7.

[86] NERC 2025 Summer Reliability Assessment

[87] Michigan AG Pet. at 52 (citing 16 U.S.C. § 824a(c)(2)); Minnesota and Illinois Pet. at 13 (citing 16 U.S.C. § 824a(c)(2)).

[88] Michigan AG Pet. at 54-55; PIO Pet. at 47.

[89] Emergency Order at 3, Ordering Paragraph C.

Plant has operated in compliance with the allowances contained in this Order."[90] These reporting requirements provide a mechanism for the DOE to obtain information concerning any adverse environmental impacts of the Emergency Order, and DOE may modify the Emergency Order to require additional actions as the Secretary deems appropriate.

46. Michigan AG and Minnesota and Illinois argue that the Emergency Order is not tailored to respect environmental considerations, of particular concern to Michigan AG and Minnesota and Illinois are the potential environmental impacts that may be produced by the Campbell Plant.[91] Michigan AG and Minnesota and Illinois provide examples of certain conditions that in their view would, presumably, satisfy the requirements of the statute (*e.g.*, direction to optimize use of pollution control equipment or avoid operations during air quality episodes).[92] These conditions, however, are not required by statute. Congress did not prescribe in section 202(c) how the Department was to fulfill its obligations concerning consistency with environmental laws and minimization of adverse effects. Moreover, Congress recognized, by including the phrase "to the maximum extent practicable," that emergency circumstances would at times make compliance with all Federal, state, and local environmental requirements and minimization of all potential adverse environmental impacts infeasible. This phrase provides the Secretary with discretion in fulfilling its obligations under section 202(c). Accordingly, the Emergency Order's limits on duration and the conditions that authorize only the additional generation necessary and require the operation of the plant to comply with environmental laws to the maximum extent feasible, as well as the reporting requirements that allow DOE to monitor MISO's compliance with the Emergency Order and the environmental impacts such that DOE could take additional action as the Secretary deems appropriate, were sufficient to satisfy its obligation under section 202(c)(2) to ensure that the Emergency Order, to the maximum extent practicable, is consistent with applicable environmental laws and minimizes adverse environmental impacts.

5. Authority to Order Economic Dispatch

47. Michigan AG and Minnesota and Illinois assert that DOE does not have the authority under 202(c)(1) to order the utilization of economic dispatch of the Campbell Plant as a response to an emergency, and that economic dispatch is not an effective or rational measure to address resource shortages.[93] Accordingly, Michigan AG and Minnesota and Illinois contend that economic dispatch is not in the "public interest," as required under section 202(c).[94] In addition, PIOs contend that the Emergency Order's economic dispatch requirement is ambiguous and vague.[95]

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[90] *Id.*, Ordering Paragraph B.

[91] Michigan AG Pet. at 54-55; Minnesota and Illinois Mot. at 26-27.

[92] Michigan AG Pet. at 54; Minnesota and Illinois Mot. at 26-27.

[93] Michigan AG Pet. § IV.D; Minnesota and Illinois Pet. § V.G.

[94] Michigan AG Pet. At

[95] PIO Pet. at 42-43.

Michigan AG asserts that Consumers Energy can subvert the economic dispatch requirement by offering the Campbell Plant on a "must run" status.[96] Michigan AG asserts that, if this happens, the costs to ratepayers will not have been minimized.[97]

The DOE's Determination

48. As noted, section 202(c)(1) affords the Secretary discretion as to what remedy "will best meet the emergency and serve the public interest." The statute expressly delegates the decision on the appropriate remedy to the Secretary's "judgment" (similar to the express delegation to "determine[] that an emergency exists"). In the Emergency Order, the Secretary soundly exercised his judgment in directing "additional dispatch of the Campbell Plant [] necessary to best meet the emergency and serve the public interest for purposes of FPA section 202(c)."[98] "This determination [was] based on the insufficiency of dispatchable capacity and anticipated demand during the summer months, and the potential loss of power to homes and local businesses in the areas that may be affected by curtailments or outages, presenting a risk to public health and safety," as discussed above.[99]

49. The Emergency Order directs MISO and Consumers Energy to "take all measures necessary to ensure that the Campbell Plant is available to operate."[100] The Emergency Order then directs MISO "to take every step to employ economic dispatch of the [facility] to minimize [the] cost to ratepayers."[101] The DOE disagrees with arguments that economic dispatch is not effective or rational in this case. The directive regarding economic dispatch ensures that the Campbell Plant can be dispatched instead of more costly generation (if available), reducing electricity costs and serving the public interest. The directive recognizes the fact that MISO uses "a production cost modeling software that produces a unit commitment and security-constrained economic dispatch while optimizing production costs."[102] DOE clarifies, however, that to the extent operational (including safety) limitations prevent the Campbell Plant from being economically dispatched, offering the Campbell Plant on a must run basis may be necessary to ensure the units are available to operate. Under those circumstances, such operation would be consistent with

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[96] Michigan AG Pet. at 49.

[97] *Id.*

[98] Emergency Order at 2.

[99] *Id.*

[100] *Id.*, Ordering Paragraph A.

[101] *Id.*

[102] *MISO Economic Planning Whitepaper* (Oct. 3, 2024), at 3, https://cdn.misoenergy.org/MISO%20Economic%20Planning%20Whitepaper651689.pdf

minimizing the cost to ratepayers because a price taker can decrease (but cannot increase) the market price.

6. Best and Appropriate Means for Addressing the Emergency

50. The Michigan AG and PIOs raise similar arguments that the Campbell Plant is neither the best nor an appropriate means of alleviating the capacity shortfall addressed by the Emergency Order.[103] In particular, Michigan AG and PIOs argue that DOE was required to consider alternatives and evaluate other possible methods for addressing the emergency, which they argue the Emergency Order failed to do.[104] They further argue that there are alternative means by which DOE could have addressed the emergency.[105]

51. PIOs additionally argue that the Emergency Order fails to consider the various policies of the FPA.[106] Specifically, PIO's argue that the Emergency Order fails to provide a reasoned basis for its determination that additional dispatch of the Campbell Plant is necessary to best meet the emergency.[107] PIOs further contend that the Emergency Order does not examine the expense or environmental impact of running the Campbell Plant, or address how the Campbell Plant can meet the emergency.[108]

The DOE's Determination

52. The Secretary, in issuing the Emergency Order, adhered to the process established in FPA section 202(c) in exercising his judgment in directing MISO and Consumers Energy to undertake specific actions as to the Campbell Plant.[109] There is no dispute that the Secretary, as the presidentially-appointed and Senate-confirmed head of the Department (*see* 42 U.S.C. § 7131), is the appropriate individual to determine the existence of an emergency within the meaning of section 202(c) and exercise "[the Secretary's] judgment" as to what Department actions "best meet the emergency and serve the public interest."[110] As discussed above, the Secretary exercised his discretion in responding to an emergency pursuant to an express delegation of authority under

[103] Michigan AG Pet. at 41; PIO Pet. at 36-37.

[104] Michigan AG Pet. at 41; PIO Pet. at 36-37.

[105] Michigan AG Pet. at 41; PIO Pet. at 41.

[106] PIO Pet. at 37.

[107] *Id.* at 37-41.

[108] *Id.*

[109] *See generally* Emergency Order.

[110] 16 U.S.C. § 824a(c)(1).

section 202(c). Further, as explained below, there is no basis to grant rehearing to review the Secretary's exercise of his judgment in prescribing the required response to the emergency.

53. As noted above, section 202(c)(1) affords the Secretary discretion as to what remedy "will best meet the emergency and serve the public interest." The statute expressly delegates the decision on the appropriate remedy to the Secretary's "judgment" (similar to the express delegation to "determine[] that an emergency exists"). Here, the Secretary soundly exercised his judgment in directing "additional dispatch of the Campbell Plant [] necessary to best meet the emergency and serve the public interest for purposes of FPA section 202(c)."[111] "This determination [was] based on the insufficiency of dispatchable capacity and anticipated demand during the summer months, and the potential loss of power to homes and local businesses in the areas that may be affected by curtailments or outages, presenting a risk to public health and safety."[112]

54. That Petitioners have now, after the fact, identified alternatives they deem to be better and more appropriate solutions to the emergency is irrelevant. Section 202(c)(1) delegates a wide degree of latitude for the Secretary to determine the existence of an emergency and to order the means to address such emergency. It does not require the Secretary to engage in a lengthy weighing of options or explanation of the Secretary's actions prior to issuing an emergency order. Indeed, such a process would defeat the very purpose of the emergency power.

7. NEPA Concerns

55. Michigan AG claims that the Emergency Order violates the National Environmental Policy Act (NEPA), as any orders issued under section 202(c) that affect the quality of the environment are considered "major federal actions"[113] that require compliance with NEPA standards and requirements.[114] According to the Michigan AG, these requirements include the "issuance of an environmental impact statement, environmental assessment, categorical exclusion, or special environmental analysis."[115]

56. Michigan AG further asserts that in other section 202(c) orders, DOE has previously sought to comply with NEPA through categorical exclusions, such as categorical exclusion B4.4 for "power management activities," or special environmental assessments—neither of which has been undertaken nor would apply in this instance.[116] Lastly, Michigan AG argues that DOE would not be justified in seeking an extension of the Emergency Order beyond 90 days under section

[111] Emergency Order at 2.

[112] *Id.*

[113] Michigan AG Pet. at 55-56 (citing 42 U.S.C. § 4336e(10)).

[114] *Id*. at 55-56.

[115] *Id*. at 56 (citing 10 C.F.R. § 1021.102(b)).

[116] *See id*.

202(c)(3), considering "[a]ny justification that NEPA can be sidestepped to address an emergency need fades as DOE's orders extend beyond the initial 90-day period."[117]

The DOE's Determination

57. We disagree with Michigan AG's contention that the DOE "is acting contrary to its own NEPA regulations and to its obligations under NEPA."[118] Although DOE has previously followed the procedures provided in the Department's NEPA regulations governing emergency actions, as described in 10 C.F.R. § 1021.343 (for example, by preparing a special environmental analysis after the issuance of a section 202(c) order), recent amendments to NEPA clarify that agencies are "not required to prepare an environmental document with respect to a proposed agency action if… the preparation of such document would clearly and fundamentally conflict with the requirements of another provision of law."[119] As DOE recently explained in its NEPA Implementing Procedures, "NEPA does not apply to DOE's issuance of emergency Orders pursuant to section 202(c) of the Federal Power Act (16 U.S.C. 824a(c)) because preparing an environmental document under NEPA's generally applicable provisions would clearly and fundamentally conflict with the emergency provisions in the Federal Power Act."[120]

58. As discussed above, under FPA section 202(c), Congress explicitly authorized the Secretary to "with or without . . . report" exercise certain emergency authorities. Requiring compliance with the analytic and procedural demands of preparing an environmental document under NEPA prior to issuing a section 202(c) emergency order fundamentally conflicts with the authorization for emergency action contemplated by FPA section 202(c) and the Congressional authorization to exercise such authorities without report. Accordingly, DOE has determined, in consultation with the Council on Environmental Quality, that "NEPA does not apply to DOE's issuance of emergency orders pursuant to section 202(c) . . . because preparing an environmental document under NEPA's generally applicable provisions would clearly and fundamentally conflict with the emergency provisions in the Federal Power Act."[121]

59. Furthermore, as stated above, section 202(c) specifically provides alternative measures for affording environmental protection by requiring the Secretary to ensure that any such order "to the maximum extent practicable, is consistent with any applicable Federal, state, or local

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[117] *Id*. at 57-58.

[118] *Id.* at 56.

[119] *See* 42 U.S.C. § 4336(a)(3); *see also* Fiscal Responsibility Act of 2023, Pub. L. No. 188-5, § 321(b), 137 Stat. 10, 39 (2023).

[120] *National Environmental Policy Act* (*NEPA) Implementing Procedures*, U.S. Department of Energy, 6 (June 30, 2025), https://www.energy.gov/sites/default/files/2025-06/2025-06-30-DOE-NEPA-Procedures.pdf.

[121] *See id.*

environmental law or regulation and minimizes any adverse environmental impacts."[122] Again, those environmental obligations were met through the conditions imposed via the Emergency Order's limitation on the duration of the emergency operations, authorization of only the additional generation necessary, requirement that the operation of the plant to comply with environmental laws to the maximum extent feasible, and the requirement that MISO reports to the Department on MISO's compliance with the Emergency Order and corresponding environmental impacts, if any.

8. Deprivation of Fair Notice and Adequate Record

60. PIOs claim that DOE failed to comply with its own procedures to post filings on DOE's 202(c) website within twenty-four hours of receipt, depriving the public of fair notice and a meaningful opportunity to comment.[123] According to PIOs, DOE has not posted materials related to the Emergency Order that it has received, such as "a letter from counsel for Consumers Energy, which stated that MISO and Consumers Energy have not been able to reach agreement on the rate issues relating to the May 23, 2025 Order," among other things.[124] PIOs also argue that DOE's failure to follow these procedures "deprives the public and Public Interest Organizations of fair notice and an adequate record."[125]

The DOE's Determination

61. The subject of the letter PIOs reference was certain rate issues relating to the Emergency Order, as Consumers Energy and MISO have not been able to agree on appropriate rate issues relating to Emergency Order. Because the letter pertained to rate issues, DOE referred the issues to FERC pursuant to 10 C.F.R. § 205.376, by its own letter dated June 13, 2025.[126] Moreover, the letter and other materials identified by PIOs were submitted to the Department after the Emergency Order was issued and, as a result, had no bearing on the issuance of the Emergency Order.

9. Lack of Cost Allocation and Cost Recovery Framework

62. OMS claims that the Emergency Order disclaims responsibility for cost recovery to the FERC, while directly incurring costs through the continued operation of the Campbell Plant. OMS argues that this creates legal, jurisdictional, and equity concerns, by assigning costs to those not

[122] 16 U.S.C. § 824a(c)(2).

[123] PIO Pet. at 50.

[124] *Id*.

[125] *Id.* (citing *United States v. Nova Scotia Food Prods. Corp.*, 568 F.2d 240, 249 (2d Cir. 1977)).

[126] *See* Ltr. from DOE to FERC, *Consumers Energy Company et al. v. Midcontinent Independent System Operator, Inc.*, FERC Docket. No. EL25-90 (June 13, 2025). In its letter, DOE described the contents of the prior letter from Consumers Energy, explaining that, "[o]n June 10, 2025, DOE received a letter from counsel for Consumers which stated that MISO and Consumers have not been able to reach agreement on the rate issues relating to the [Emergency Order]." *Id.* at 2.

causing the costs or receiving the benefits.[127] Further, OMS alleges the Emergency Order violates FPA sections 205 and 206, which OMS characterizes as requiring rates to be "just and reasonable and not unduly discriminatory or preferential."[128] Lastly, OMS alleges the Emergency Order violates "Cost Causation Principles" as held by courts.[129]

63. MPPA similarly claims it must be able to recover costs incurred due to compliance with the Emergency Order and operating the Campbell Plant beyond the retirement date of May 31, 2025, considering MPPA owns 4.80% of Unit No. 3 of the Campbell Plant and is therefore responsible for a portion of its operating and maintenance costs.[130]

64. According to MPPA, any alterations to the original directive could impact its financial recovery.[131] Additionally, MPPA is an intervenor in a related FERC complaint seeking cost recovery for the Campbell Plant owners and actively supports that complaint.[132] As such, MPPA's interests are unique and not adequately represented by other parties, and it requests party status in this DOE proceeding to ensure its concerns are addressed.[133]

The DOE's Determination

65. Petitioners' arguments are misguided. FPA section 202(c) does not impose any obligation on the Secretary to address cost allocation issues on the face of an emergency order. In any event, MISO's existing tariff already establishes how the costs of all generators dispatched by MISO ordinarily are to be allocated. Nothing in the Emergency Order held otherwise.

66. To the extent that the owners of the Campbell Plant desired additional compensation beyond what MISO's existing tariff provides, FPA section 202(c)(1) provides that: "[i]f the parties affected by [an emergency order issued pursuant to section 202(c)] fail to agree upon the terms of any arrangement between them in carrying out such order, the Commission, after hearing held either before or after such order takes effect, may prescribe by supplemental order such terms as it finds to be just and reasonable, including the compensation or reimbursement which should be paid to or by any such party."

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[127] OMS Pet. at 4.

[128] *Id*. at 5.

[129] *Id*.

[130] MPPA Comments at 1-2.

[131] *Id*. at 2.

[132] *Id*.

[133] *Id*.

67. Consistent with this statutory provision, DOE's regulations concerning generation of electricity to alleviate an emergency shortage of electric power address the procedures that DOE will follow when relevant entities are not able to agree on the rate issues arising from an order issued by DOE pursuant to section 202(c):

> The applicant and the generating or transmitting systems from which emergency service is requested are encouraged to utilize the rates and charges contained in approved existing rate schedules or to negotiate mutually satisfactory rates for the proposed transactions. In the event that the DOE determines that an emergency exists under section 202(c), and the "entities" are unable to agree on the rates to be charged, the DOE shall prescribe the conditions of service and refer the rate issues to the [FERC] for determination by that agency in accordance with its standards and procedures.[134]

68. On June 6, 2025, Consumers Energy filed a complaint (Complaint) pursuant to sections 202(c), 306, and 309 of the FPA and Rule 206 of FERC's Rule of Practice and Procedure, proposing revisions to the MISO Open Access Transmission, Energy and Operating Reserve Markets Tariff (Tariff) to add a provision (Proposed Tariff Provision) to allocate the costs of keeping the Campbell Plant in operation, in response to the Emergency Order.[135] On June 13, 2025, DOE promptly issued a referral on cost allocation to FERC, pursuant to 10 C.F.R. § 205.376, in Docket Nos. EL25-90 and AD25-14.[136] The referral letter specified that "DOE is not referring to the Commission any other matters, including, but not limited to, DOE's finding of an emergency, the prescription of conditions of service, or any other matter arising from DOE's exercise of its authority under section 202(c). In an order issued August 15, 2025, in Docket Nos. EL25-90 and AD25-14, FERC granted the Complaint and determined that the Proposed Tariff Provision is just and reasonable.[137] FERC directed MISO to make a compliance filing, within 30 days of the date of the order, and to adopt the Proposed Tariff Provision.[138]

69. Thus, the cost allocation process established in the Emergency Order worked exactly as contemplated by section 202(c) and DOE's implementing regulations.

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[134] 10 C.F.R. § 205.376.

[135] *Consumers Energy Company et al. v. Midcontinent Independent System Operator, Inc.*, FERC Docket No. EL25-90 (June 6, 2025) (*citing* 16 U.S.C. §§ 824a(c), 825e, 825h, and 18 C.F.R. § 385.206 (2024) (Consumers Energy argued FPA sections 202(c) and 309 provide ample support for their request but moved for Section 206 relief in the alternative)).

[136] *See* Ltr. from DOE to FERC, *Consumers Energy Company et al. v. Midcontinent Independent System Operator, Inc.*, FERC Docket Nos. EL25-90 and AD25-14 (June 13, 2025).

[137] *See Consumers Energy Co. v. Midcontinent Independent System Operator, Inc.*, 192 FERC ¶ 61,158 (2025).

[138] *Id.* at 18.

III. Procedural Issues

1. PIOs' Request for a Stay

70. PIOs move for a stay of the Emergency Order pending resolution of judicial review. In support of their request, PIOs contend that (i) absent a stay, they will be irreparably harmed by the Emergency Order, (ii) a stay will not harm any other interested parties, and (iii) the public interest favors a stay.[139]

The DOE's Determination

71. In considering a request for a stay, agencies consider (1) whether the party requesting the stay will suffer irreparable injury without a stay; (2) whether issuing a stay may substantially harm other parties; and (3) whether a stay is in the public interest.[140]

72. By its terms, the Emergency Order terminated on August 21, 2025. Consequently, the stay request is now moot.

73. In any case, DOE finds that a stay is not warranted here because issuing a stay will substantially harm other parties and therefore is not within the public interest. Specifically, the Emergency Order was issued to address a shortage of electric energy, a shortage of facilities for the generation of electric energy in the Midwest region of the United States. As discussed above, this determination is based on the insufficiency of dispatchable capacity and anticipated demand, and the risk to public health and safety presented by the potential loss of power to homes and local businesses in areas that may be affected by curtailments or outages. Imposition of a stay undoubtedly may harm those citizens residing in the Midwest region of the United States who would face potentially critical electric energy shortages, and therefore the stay is contrary to the public interest.

2. Motions to Intervene

74. Michigan AG, PIOs, Minnesota and Illinois, MPPA, and Maryland OPC each moved to intervene in this proceeding, citing various alleged interests which may be affected by the outcome of this proceeding.[141]

The DOE's Determination

75. The motions to intervene are hereby granted for Michigan AG, PIOs, Minnesota and Illinois, and MPPA, but DOE takes no position on whether they are "aggrieved" parties for

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[139] PIO Pet. at 51-53.

[140] *Nken v. Holder*, 556 U.S. 418, 434, 436 (2010); *Ohio v. EPA*, 603 U.S. 279, 291 (2024).

[141] *See* Michigan AG Pet. at 2-3; PIO Pet. at 5-11; Minnesota & Illinois Pet. at 3-8; OMS Pet. at 1-2; Maryland OPC Comments at 1-3; MPPA Comments at 1-2.

purposes of FPA section 313.[142] The motion to intervene by Maryland OPC is denied as DOE maintains that Maryland OPC is not an "aggrieved" party for purposes of FPA section 313.[143]

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The Emergency Order is hereby modified upon the issuance of this Order and the result sustained, as discussed in the body of this Order.

Issued at 6:40pm Eastern Daylight Time on this 8th day of September 2025.

Chris Wright

Chris Wright

Secretary of Energy

[142] *See* 16 U.S.C. § 825*l*(b) ("Any party to a proceeding under this chapter aggrieved by an order issued by the Commission in such proceeding may obtain a review of such order in the United States court of appeals for any circuit wherein the licensee or public utility to which the order relates is located or has its principal place of business, or in the United States Court of Appeals for the District of Columbia, by filing in such court, within sixty days after the order of the Commission upon the application for rehearing, a written petition praying that the order of the Commission be modified or set aside in whole or in part.").

[143] *See*, Resp. in Opp'n to Maryland Office of People's Counsel Mot. to Intervene. *People of the State of Michigan v. U.S. Department of Energy*, No. 25-1162 (D.C. Cir. Sept. 4, 2025).

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 133

CAMPD Campbell Data – June 1 through Sept. 30, 2025

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	1		6/1/2025	0	1	168		485.4	Measured	0.275	Calculated	185.2	Measured	0.105	Calculated	215.4	Measured	0.122	Measured	1765.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	1	1	168		450.9	Measured	0.254	Calculated	186.2	Measured	0.105	Calculated	216.6	Measured	0.122	Measured	1775.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	2	1	168		426.1	Measured	0.238	Calculated	187.6	Measured	0.105	Calculated	220	Measured	0.123	Measured	1788.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	3	1	168		449.2	Measured	0.25	Calculated	188.3	Measured	0.105	Calculated	219.1	Measured	0.122	Measured	1795.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	4	1	168		448	Measured	0.26	Calculated	180.6	Measured	0.105	Calculated	206.6	Measured	0.12	Measured	1721.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	5	1	168		473.6	Measured	0.263	Calculated	188.6	Measured	0.105	Calculated	215.8	Measured	0.12	Measured	1798.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	6	1	168		457	Measured	0.253	Calculated	189.6	Measured	0.105	Calculated	220.5	Measured	0.122	Measured	1807.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	7	1	168		459.2	Measured	0.257	Calculated	187.5	Measured	0.105	Calculated	218.1	Measured	0.122	Measured	1787.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	8	1	168		482	Measured	0.272	Calculated	185.8	Measured	0.105	Calculated	219.6	Measured	0.124	Measured	1771.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	9	1	168		488.7	Measured	0.275	Calculated	186.1	Measured	0.105	Calculated	212.9	Measured	0.12	Measured	1774.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	10	1	168		451.7	Measured	0.254	Calculated	186.6	Measured	0.105	Calculated	215.2	Measured	0.121	Measured	1778.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	11	1	168		402.1	Measured	0.225	Calculated	187.2	Measured	0.105	Calculated	216	Measured	0.121	Measured	1784.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	12	1	168		396.1	Measured	0.222	Calculated	187.2	Measured	0.105	Calculated	219.5	Measured	0.123	Measured	1784.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	13	1	169		425.1	Measured	0.238	Calculated	187.1	Measured	0.105	Calculated	217.6	Measured	0.122	Measured	1783.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	14	1	168		433.3	Measured	0.244	Calculated	186.2	Measured	0.105	Calculated	218.3	Measured	0.123	Measured	1775.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	15	1	169		434.7	Measured	0.245	Calculated	186.4	Measured	0.105	Calculated	220.4	Measured	0.124	Measured	1777.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	16	1	168		428.1	Measured	0.241	Calculated	186.1	Measured	0.105	Calculated	221.8	Measured	0.125	Measured	1774	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	17	1	168		431.7	Measured	0.244	Calculated	185.5	Measured	0.105	Calculated	219.3	Measured	0.124	Measured	1768.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	18	1	168		440.9	Measured	0.248	Calculated	186.5	Measured	0.105	Calculated	217	Measured	0.122	Measured	1778.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	19	1	168		436.9	Measured	0.245	Calculated	187.1	Measured	0.105	Calculated	217.6	Measured	0.122	Measured	1783.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	20	1	168		428.7	Measured	0.24	Calculated	187.1	Measured	0.105	Calculated	226.6	Measured	0.127	Measured	1784.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	21	1	168		436.7	Measured	0.243	Calculated	188.3	Measured	0.105	Calculated	231.6	Measured	0.129	Measured	1795	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	22	1	168		453.7	Measured	0.25	Calculated	190.5	Measured	0.105	Calculated	232.5	Measured	0.128	Measured	1816.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/1/2025	23	1	168		464.6	Measured	0.257	Calculated	189.4	Measured	0.105	Calculated	236.5	Measured	0.131	Measured	1805.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	0	1	168		460.9	Measured	0.254	Calculated	190.6	Measured	0.105	Calculated	230.8	Measured	0.127	Measured	1817.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	1	1	168		464.2	Measured	0.255	Calculated	191.1	Measured	0.105	Calculated	227.8	Measured	0.125	Measured	1822.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	2	1	168		449.1	Measured	0.248	Calculated	189.6	Measured	0.105	Calculated	225.9	Measured	0.125	Measured	1807.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	3	1	168		461.4	Measured	0.253	Calculated	191	Measured	0.105	Calculated	218.5	Measured	0.12	Measured	1821.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	4	1	168		446.8	Measured	0.249	Calculated	188.2	Measured	0.105	Calculated	222.5	Measured	0.124	Measured	1794.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	5	1	168		443	Measured	0.243	Calculated	191.2	Measured	0.105	Calculated	237	Measured	0.13	Measured	1823	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	6	1	168		457.2	Measured	0.251	Calculated	190.7	Measured	0.105	Calculated	238.2	Measured	0.131	Measured	1818.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	7	1	168		452.1	Measured	0.252	Calculated	188.2	Measured	0.105	Calculated	233.3	Measured	0.13	Measured	1794.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	8	1	168		453.7	Measured	0.252	Calculated	188.6	Measured	0.105	Calculated	233.8	Measured	0.13	Measured	1798.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	9	1	168		437.6	Measured	0.241	Calculated	190.6	Measured	0.105	Calculated	232.6	Measured	0.128	Measured	1817	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	10	1	168		398.3	Measured	0.222	Calculated	188.2	Measured	0.105	Calculated	218.9	Measured	0.122	Measured	1794	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	11	1	168		409.5	Measured	0.225	Calculated	190.8	Measured	0.105	Calculated	220.1	Measured	0.121	Measured	1819.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	12	1	168		434.9	Measured	0.241	Calculated	189.6	Measured	0.105	Calculated	222.4	Measured	0.123	Measured	1807.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	13	1	168		451.1	Measured	0.249	Calculated	190.1	Measured	0.105	Calculated	228.3	Measured	0.126	Measured	1812.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	14	1	168		457.3	Measured	0.251	Calculated	190.8	Measured	0.105	Calculated	234.7	Measured	0.129	Measured	1819.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	15	1	168		455.7	Measured	0.248	Calculated	192.4	Measured	0.105	Calculated	236.6	Measured	0.129	Measured	1834.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	16	1	169		457.3	Measured	0.25	Calculated	191.6	Measured	0.105	Calculated	235.7	Measured	0.129	Measured	1826.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	17	1	168		444	Measured	0.244	Calculated	190.6	Measured	0.105	Calculated	225.3	Measured	0.124	Measured	1817.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	18	1	168		450.3	Measured	0.246	Calculated	191.6	Measured	0.105	Calculated	226.5	Measured	0.124	Measured	1826.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	19	1	169		452.5	Measured	0.247	Calculated	192.1	Measured	0.105	Calculated	225.3	Measured	0.123	Measured	1831.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	20	1	168		460.4	Measured	0.253	Calculated	190.7	Measured	0.105	Calculated	234.5	Measured	0.129	Measured	1817.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	21	1	168		457.4	Measured	0.251	Calculated	191.3	Measured	0.105	Calculated	238.9	Measured	0.131	Measured	1823.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	22	1	169		495.1	Measured	0.272	Calculated	191	Measured	0.105	Calculated	240.4	Measured	0.132	Measured	1820.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	23	1	168		616.9	Measured	0.34	Calculated	190.3	Measured	0.105	Calculated	237.7	Measured	0.131	Measured	1814.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	0	1	168		488.3	Measured	0.27	Calculated	189.9	Measured	0.105	Calculated	228.1	Measured	0.126	Measured	1810.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	1	1	168		434.8	Measured	0.239	Calculated	190.9	Measured	0.105	Calculated	227.5	Measured	0.125	Measured	1819.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	2	1	168		415.2	Measured	0.227	Calculated	191.6	Measured	0.105	Calculated	224.8	Measured	0.123	Measured	1827.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	3	1	168		438.6	Measured	0.241	Calculated	190.6	Measured	0.105	Calculated	227.2	Measured	0.125	Measured	1817.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	4	1	168		437	Measured	0.242	Calculated	189.5	Measured	0.105	Calculated	233.1	Measured	0.129	Measured	1806.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	5	1	168		446.1	Measured	0.245	Calculated	190.6	Measured	0.105	Calculated	239.9	Measured	0.132	Measured	1817.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	6	1	168		456	Measured	0.249	Calculated	192.3	Measured	0.105	Calculated	243.9	Measured	0.133	Measured	1833.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	7	1	183		509	Measured	0.261	Calculated	204.4	Measured	0.105	Calculated	265	Measured	0.136	Measured	1948.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	8	1	234		609.5	Measured	0.254	Calculated	251.3	Measured	0.105	Calculated	357	Measured	0.149	Measured	2396.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	9	1	234		578.2	Measured	0.243	Calculated	249.2	Measured	0.105	Calculated	342.2	Measured	0.144	Measured	2376.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	10	1	234		590.7	Measured	0.247	Calculated	250.6	Measured	0.105	Calculated	332.2	Measured	0.139	Measured	2389.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	11	1	235		579.1	Measured	0.241	Calculated	251.8	Measured	0.105	Calculated	338.5	Measured	0.141	Measured	2400.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	12	1	234		581.3	Measured	0.242	Calculated	252.2	Measured	0.105	Calculated	336.6	Measured	0.14	Measured	2404.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	13	1	235		593.2	Measured	0.247	Calculated	252.2	Measured	0.105	Calculated	339.1	Measured	0.141	Measured	2404.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	14	1	234		614.8	Measured	0.256	Calculated	251.9	Measured	0.105	Calculated	336.2	Measured	0.14	Measured	2401.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	15	1	235		614.7	Measured	0.255	Calculated	253	Measured	0.105	Calculated	330.4	Measured	0.137	Measured	2411.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	16	1	234		624	Measured	0.261	Calculated	250.8	Measured	0.105	Calculated	327.6	Measured	0.137	Measured	2391.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	17	1	235		630.8	Measured	0.263	Calculated	251.8	Measured	0.105	Calculated	328.9	Measured	0.137	Measured	2401	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	18	1	235		598	Measured	0.248	Calculated	252.4	Measured	0.105	Calculated	327.3	Measured	0.136	Measured	2406.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	19	1	235		581.2	Measured	0.243	Calculated	250.8	Measured	0.105	Calculated	330	Measured	0.138	Measured	2391.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	20	1	234		594.8	Measured	0.247	Calculated	252.6	Measured	0.105	Calculated	327.6	Measured	0.136	Measured	2408.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	21	1	235		605.9	Measured	0.252	Calculated	251.8	Measured	0.105	Calculated	328.9	Measured	0.137	Measured	2400.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	22	1	235		589.4	Measured	0.244	Calculated	253.2	Measured	0.105	Calculated	328.4	Measured	0.136	Measured	2414.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	23	1	239		602.9	Measured	0.245	Calculated	258	Measured	0.105	Calculated	341.9	Measured	0.139	Measured	2459.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	0	1	250		642.9	Measured	0.252	Calculated	267.8	Measured	0.105	Calculated	372.8	Measured	0.146	Measured	2553.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	1	1	252		627.4	Measured	0.245	Calculated	268.2	Measured	0.105	Calculated	378.4	Measured	0.148	Measured	2557	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	2	1	245		609.4	Measured	0.244	Calculated	261.8	Measured	0.105	Calculated	357	Measured	0.143	Measured	2496.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	3	1	237		601	Measured	0.247	Calculated	255.3	Measured	0.105	Calculated	340.8	Measured	0.14	Measured	2434.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	4	1	235		632.7	Measured	0.265	Calculated	250.3	Measured	0.105	Calculated	334.1	Measured	0.14	Measured	2386.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	5	1	236		631.4	Measured	0.261	Calculated	253.3	Measured	0.105	Calculated	340.6	Measured	0.141	Measured	2415.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	6	1	236		614.7	Measured	0.252	Calculated	255.4	Measured	0.105	Calculated	340.9	Measured	0.14	Measured	2435.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	7	1	236		583.3	Measured	0.241	Calculated	254.3	Measured	0.105	Calculated	327.4	Measured	0.135	Measured	2424.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	8	1	235		583.9	Measured	0.243	Calculated	252.5	Measured	0.105	Calculated	329.8	Measured	0.137	Measured	2407.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	9	1	235		592.9	Measured	0.247	Calculated	251.9	Measured	0.105	Calculated	331.4	Measured	0.138	Measured	2401.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	10	1	235		652.7	Measured	0.273	Calculated	250.9	Measured	0.105	Calculated	339.7	Measured	0.142	Measured	2392.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	11	1	235		669.4	Measured	0.279	Calculated	251.4	Measured	0.105	Calculated	342.8	Measured	0.143	Measured	2397	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	12	1	235		633.2	Measured	0.265	Calculated	250.7	Measured	0.105	Calculated	339.5	Measured	0.142	Measured	2390.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	13	1	235		608.2	Measured	0.254	Calculated	251	Measured	0.105	Calculated	335.1	Measured	0.14	Measured	2393.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	14	1	235		614.1	Measured	0.256	Calculated	251.2	Measured	0.105	Calculated	335.3	Measured	0.14	Measured	2394.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	15	1	236		601.5	Measured	0.251	Calculated	251.1	Measured	0.105	Calculated	332.8	Measured	0.139	Measured	2393.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	16	1	235		583.1	Measured	0.245	Calculated	249.8	Measured	0.105	Calculated	333.4	Measured	0.14	Measured	2381.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	17	1	195		476.1	Measured	0.234	Calculated	213.6	Measured	0.105	Calculated	289.3	Measured	0.142	Measured	2037.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	18	1	173		459.7	Measured	0.249	Calculated	193.5	Measured	0.105	Calculated	241.7	Measured	0.131	Measured	1845	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	19	1	173		461.5	Measured	0.248	Calculated	195.3	Measured	0.105	Calculated	260.7	Measured	0.14	Measured	1862.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	20	1	213		597.7	Measured	0.27	Calculated	232.1	Measured	0.105	Calculated	301	Measured	0.136	Measured	2212.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	21	1	234		599.7	Measured	0.252	Calculated	250	Measured	0.105	Calculated	367.2	Measured	0.154	Measured	2384.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	22	1	234		572.7	Measured	0.241	Calculated	249	Measured	0.105	Calculated	351.3	Measured	0.148	Measured	2373.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	23	1	234		583.1	Measured	0.244	Calculated	251.1	Measured	0.105	Calculated	344.7	Measured	0.144	Measured	2393.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	0	1	235		587.7	Measured	0.245	Calculated	251.5	Measured	0.105	Calculated	347.7	Measured	0.145	Measured	2397.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	1	1	235		606	Measured	0.253	Calculated	251.1	Measured	0.105	Calculated	349.6	Measured	0.146	Measured	2394.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	2	1	234		605.2	Measured	0.253	Calculated	251.1	Measured	0.105	Calculated	354.3	Measured	0.148	Measured	2393.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	3	1	235		604	Measured	0.252	Calculated	251.3	Measured	0.105	Calculated	354.7	Measured	0.148	Measured	2396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	4	1	235		591.3	Measured	0.251	Calculated	247.2	Measured	0.105	Calculated	351.2	Measured	0.149	Measured	2356.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	5	1	234		587.9	Measured	0.247	Calculated	249.7	Measured	0.105	Calculated	357.1	Measured	0.15	Measured	2380.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	6	1	235		599.1	Measured	0.251	Calculated	250	Measured	0.105	Calculated	355.2	Measured	0.149	Measured	2383.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	7	1	234		617.8	Measured	0.259	Calculated	250.6	Measured	0.105	Calculated	348.8	Measured	0.146	Measured	2389.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	8	1	234		581.7	Measured	0.244	Calculated	249.9	Measured	0.105	Calculated	343.2	Measured	0.144	Measured	2383.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	9	1	235		585.4	Measured	0.245	Calculated	251	Measured	0.105	Calculated	344.6	Measured	0.144	Measured	2393.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	10	1	235		607.2	Measured	0.253	Calculated	251.9	Measured	0.105	Calculated	343.4	Measured	0.143	Measured	2401.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	11	1	235		611.8	Measured	0.255	Calculated	251.4	Measured	0.105	Calculated	357.1	Measured	0.149	Measured	2396.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	12	1	235		608.4	Measured	0.253	Calculated	252.5	Measured	0.105	Calculated	334.6	Measured	0.139	Measured	2407.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	13	1	235		593.5	Measured	0.247	Calculated	251.8	Measured	0.105	Calculated	345.8	Measured	0.144	Measured	2401.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	14	1	235		586.5	Measured	0.245	Calculated	251.5	Measured	0.105	Calculated	347.6	Measured	0.145	Measured	2397.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	15	1	235		597.7	Measured	0.249	Calculated	251.8	Measured	0.105	Calculated	348.1	Measured	0.145	Measured	2400.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	16	1	234		572.4	Measured	0.24	Calculated	250.2	Measured	0.105	Calculated	345.9	Measured	0.145	Measured	2385.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	17	1	235		588.8	Measured	0.247	Calculated	250.4	Measured	0.105	Calculated	346.1	Measured	0.145	Measured	2387.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	18	1	234		605.1	Measured	0.255	Calculated	248.7	Measured	0.105	Calculated	348.5	Measured	0.147	Measured	2371	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	19	1	235		564.8	Measured	0.237	Calculated	249.5	Measured	0.105	Calculated	349.7	Measured	0.147	Measured	2379	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	20	1	235		556.4	Measured	0.233	Calculated	250.4	Measured	0.105	Calculated	358.1	Measured	0.15	Measured	2387.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	21	1	235		576.9	Measured	0.241	Calculated	250.8	Measured	0.105	Calculated	363.5	Measured	0.152	Measured	2391.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	22	1	235		637.1	Measured	0.263	Calculated	253.6	Measured	0.105	Calculated	365.1	Measured	0.151	Measured	2418.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	23	1	234		643.3	Measured	0.268	Calculated	251.5	Measured	0.105	Calculated	362.1	Measured	0.151	Measured	2398.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	0	1	235		624.4	Measured	0.261	Calculated	251.4	Measured	0.105	Calculated	357.1	Measured	0.149	Measured	2396.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	1	1	234		599	Measured	0.25	Calculated	251.3	Measured	0.105	Calculated	354.6	Measured	0.148	Measured	2396	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	2	1	235		605.5	Measured	0.253	Calculated	251.5	Measured	0.105	Calculated	359.6	Measured	0.15	Measured	2397.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	3	1	235		600.4	Measured	0.251	Calculated	251.1	Measured	0.105	Calculated	361.6	Measured	0.151	Measured	2394.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	4	1	234		601.4	Measured	0.256	Calculated	246.6	Measured	0.105	Calculated	357.3	Measured	0.152	Measured	2350.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	5	1	235		605.9	Measured	0.254	Calculated	249.7	Measured	0.105	Calculated	361.9	Measured	0.152	Measured	2381.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	6	1	235		591.8	Measured	0.248	Calculated	250.3	Measured	0.105	Calculated	358	Measured	0.15	Measured	2386.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	7	1	235		594.3	Measured	0.251	Calculated	248.8	Measured	0.105	Calculated	355.8	Measured	0.15	Measured	2371.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	8	1	223		563.6	Measured	0.249	Calculated	237.3	Measured	0.105	Calculated	353	Measured	0.156	Measured	2262.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	9	1	161		416.4	Measured	0.239	Calculated	182.8	Measured	0.105	Calculated	256.2	Measured	0.147	Measured	1743	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	10	1	163		424.3	Measured	0.24	Calculated	185.4	Measured	0.105	Calculated	242.2	Measured	0.137	Measured	1767.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	11	1	163		414	Measured	0.235	Calculated	185.2	Measured	0.105	Calculated	254.2	Measured	0.144	Measured	1765.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	12	1	162		431.5	Measured	0.244	Calculated	185.8	Measured	0.105	Calculated	256.9	Measured	0.145	Measured	1771.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	13	1	163		458.4	Measured	0.258	Calculated	186.4	Measured	0.105	Calculated	261.3	Measured	0.147	Measured	1777.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	14	1	166		487.4	Measured	0.272	Calculated	188.2	Measured	0.105	Calculated	245.8	Measured	0.137	Measured	1794.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	15	1	165		469.5	Measured	0.263	Calculated	186.9	Measured	0.105	Calculated	242.4	Measured	0.136	Measured	1782	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		6/6/2025	16	1	165		444.8	Measured	0.25	Calculated	186.6	Measured	0.105	Calculated	238.4	Measured	0.134	Measured	1778.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	17	1	165		448.2	Measured	0.251	Calculated	187.5	Measured	0.105	Calculated	243.2	Measured	0.136	Measured	1788.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	18	1	166		451	Measured	0.254	Calculated	186.5	Measured	0.105	Calculated	236.5	Measured	0.133	Measured	1778.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	19	1	165		450.8	Measured	0.254	Calculated	186.4	Measured	0.105	Calculated	241.7	Measured	0.136	Measured	1777.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	20	1	165		444	Measured	0.25	Calculated	186.2	Measured	0.105	Calculated	243.2	Measured	0.137	Measured	1775.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	21	1	165		442.5	Measured	0.248	Calculated	187	Measured	0.105	Calculated	244.3	Measured	0.137	Measured	1783.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	22	1	165		448.5	Measured	0.252	Calculated	186.9	Measured	0.105	Calculated	238.8	Measured	0.134	Measured	1782.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	23	1	165		450.5	Measured	0.253	Calculated	186.6	Measured	0.105	Calculated	238.3	Measured	0.134	Measured	1778.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	0	1	165		443.1	Measured	0.25	Calculated	185.6	Measured	0.105	Calculated	237.2	Measured	0.134	Measured	1770	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	1	1	166		438.1	Measured	0.247	Calculated	185.8	Measured	0.105	Calculated	232.1	Measured	0.131	Measured	1771.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	2	1	165		422.1	Measured	0.238	Calculated	185.9	Measured	0.105	Calculated	233.9	Measured	0.132	Measured	1772.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	3	1	165		439.9	Measured	0.248	Calculated	185.9	Measured	0.105	Calculated	237.5	Measured	0.134	Measured	1772.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	4	1	165		435.1	Measured	0.251	Calculated	182	Measured	0.105	Calculated	234.3	Measured	0.135	Measured	1735.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	5	1	165		443.7	Measured	0.253	Calculated	183.7	Measured	0.105	Calculated	236.4	Measured	0.135	Measured	1751.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	6	1	165		442.9	Measured	0.252	Calculated	184.6	Measured	0.105	Calculated	235.8	Measured	0.134	Measured	1759.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	7	1	165		470.3	Measured	0.267	Calculated	184.6	Measured	0.105	Calculated	235.8	Measured	0.134	Measured	1759.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	8	1	165		460.8	Measured	0.261	Calculated	185.4	Measured	0.105	Calculated	236.8	Measured	0.134	Measured	1767.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	9	1	165		442.3	Measured	0.249	Calculated	186.3	Measured	0.105	Calculated	236.3	Measured	0.133	Measured	1776.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	10	1	166		426.6	Measured	0.239	Calculated	187.1	Measured	0.105	Calculated	240.8	Measured	0.135	Measured	1783.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	11	1	165		417.1	Measured	0.234	Calculated	187.2	Measured	0.105	Calculated	233.8	Measured	0.131	Measured	1784.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	12	1	165		428.5	Measured	0.238	Calculated	188.7	Measured	0.105	Calculated	235.7	Measured	0.131	Measured	1799.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	13	1	165		440.9	Measured	0.244	Calculated	189.2	Measured	0.105	Calculated	238.2	Measured	0.132	Measured	1804.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	14	1	164		475.8	Measured	0.267	Calculated	187	Measured	0.105	Calculated	246	Measured	0.138	Measured	1782.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	15	1	165		472.9	Measured	0.262	Calculated	189.1	Measured	0.105	Calculated	236.2	Measured	0.131	Measured	1802.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	16	1	165		445.6	Measured	0.247	Calculated	189.4	Measured	0.105	Calculated	240.1	Measured	0.133	Measured	1805.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	17	1	166		435.8	Measured	0.241	Calculated	189.8	Measured	0.105	Calculated	242.5	Measured	0.134	Measured	1809.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	18	1	166		459.1	Measured	0.255	Calculated	189	Measured	0.105	Calculated	237.9	Measured	0.132	Measured	1802.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	19	1	165		442.9	Measured	0.249	Calculated	186.7	Measured	0.105	Calculated	242.1	Measured	0.136	Measured	1780.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	20	1	165		439.8	Measured	0.246	Calculated	187.7	Measured	0.105	Calculated	247	Measured	0.138	Measured	1789.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	21	1	166		452.1	Measured	0.253	Calculated	187.7	Measured	0.105	Calculated	245.2	Measured	0.137	Measured	1790.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	22	1	165		483.4	Measured	0.269	Calculated	188.7	Measured	0.105	Calculated	246.5	Measured	0.137	Measured	1799.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	23	1	165		473.1	Measured	0.267	Calculated	186.1	Measured	0.105	Calculated	243.1	Measured	0.137	Measured	1774.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	0	1	165		451.9	Measured	0.254	Calculated	186.8	Measured	0.105	Calculated	240.4	Measured	0.135	Measured	1781.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	1	1	165		395.4	Measured	0.222	Calculated	187	Measured	0.105	Calculated	242.5	Measured	0.136	Measured	1782.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	2	1	165		404.8	Measured	0.229	Calculated	185.8	Measured	0.105	Calculated	244.5	Measured	0.138	Measured	1771.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	3	1	165		429.6	Measured	0.242	Calculated	186.5	Measured	0.105	Calculated	249	Measured	0.14	Measured	1778.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	4	1	165		436.9	Measured	0.25	Calculated	183.3	Measured	0.105	Calculated	246.5	Measured	0.141	Measured	1747.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	5	1	165		429.4	Measured	0.243	Calculated	185.1	Measured	0.105	Calculated	247.1	Measured	0.14	Measured	1765.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	6	1	166		442.5	Measured	0.25	Calculated	185.3	Measured	0.105	Calculated	245.6	Measured	0.139	Measured	1767.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	7	1	165		446.1	Measured	0.251	Calculated	186.4	Measured	0.105	Calculated	247.1	Measured	0.139	Measured	1777.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	8	1	165		446.1	Measured	0.252	Calculated	185.4	Measured	0.105	Calculated	254.5	Measured	0.144	Measured	1767.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	9	1	165		443.9	Measured	0.25	Calculated	186.5	Measured	0.105	Calculated	249	Measured	0.14	Measured	1778.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	10	1	166		453.9	Measured	0.253	Calculated	187.9	Measured	0.105	Calculated	247.2	Measured	0.138	Measured	1791.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	11	1	165		464.7	Measured	0.262	Calculated	186	Measured	0.105	Calculated	244.8	Measured	0.138	Measured	1773.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	12	1	165		459.7	Measured	0.26	Calculated	185.6	Measured	0.105	Calculated	244.2	Measured	0.138	Measured	1769.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	13	1	165		445.4	Measured	0.251	Calculated	186	Measured	0.105	Calculated	246.4	Measured	0.139	Measured	1773	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	14	1	165		428.7	Measured	0.242	Calculated	185.5	Measured	0.105	Calculated	244	Measured	0.138	Measured	1768.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	15	1	165		433.9	Measured	0.245	Calculated	185.8	Measured	0.105	Calculated	246.3	Measured	0.139	Measured	1771.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	16	1	165		448.9	Measured	0.252	Calculated	186.6	Measured	0.105	Calculated	249.1	Measured	0.14	Measured	1779.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	17	1	165		451	Measured	0.254	Calculated	186.5	Measured	0.105	Calculated	254.2	Measured	0.143	Measured	1777.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	18	1	166		439.6	Measured	0.247	Calculated	186.4	Measured	0.105	Calculated	257.7	Measured	0.145	Measured	1776.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	19	1	165		431	Measured	0.246	Calculated	183.9	Measured	0.105	Calculated	257.8	Measured	0.147	Measured	1753.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	20	1	165		424	Measured	0.24	Calculated	184.9	Measured	0.105	Calculated	252.1	Measured	0.143	Measured	1763.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	21	1	166		434.2	Measured	0.247	Calculated	184.7	Measured	0.105	Calculated	250	Measured	0.142	Measured	1760.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	22	1	165		436.9	Measured	0.248	Calculated	184.4	Measured	0.105	Calculated	251.5	Measured	0.143	Measured	1758.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	23	1	165		444.1	Measured	0.255	Calculated	182.7	Measured	0.105	Calculated	249.1	Measured	0.143	Measured	1742.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	0	1	165		446	Measured	0.255	Calculated	183.3	Measured	0.105	Calculated	248.2	Measured	0.142	Measured	1747.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	1	1	166		445.1	Measured	0.253	Calculated	184.4	Measured	0.105	Calculated	246.2	Measured	0.14	Measured	1758.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	2	1	165		468.6	Measured	0.267	Calculated	183.8	Measured	0.105	Calculated	252.3	Measured	0.144	Measured	1752.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	3	1	166		435.9	Measured	0.247	Calculated	184.8	Measured	0.105	Calculated	260.8	Measured	0.148	Measured	1761.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	4	1	165		422.7	Measured	0.246	Calculated	180.4	Measured	0.105	Calculated	254.6	Measured	0.148	Measured	1720.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	5	1	165		439.7	Measured	0.251	Calculated	183.4	Measured	0.105	Calculated	257	Measured	0.147	Measured	1748.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	6	1	165		435.9	Measured	0.248	Calculated	184	Measured	0.105	Calculated	249.1	Measured	0.142	Measured	1754.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	7	1	165		448	Measured	0.255	Calculated	183.9	Measured	0.105	Calculated	249	Measured	0.142	Measured	1753.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	8	1	164		432	Measured	0.247	Calculated	183.2	Measured	0.105	Calculated	246.2	Measured	0.141	Measured	1746.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	9	1	160		433.4	Measured	0.254	Calculated	179.3	Measured	0.105	Calculated	244.4	Measured	0.143	Measured	1709.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	10	1	160		759.4	Measured	0.446	Calculated	178.8	Measured	0.105	Calculated	260.8	Measured	0.153	Measured	1704.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	11	1	160		811.7	Measured	0.474	Calculated	179.7	Measured	0.105	Calculated	269	Measured	0.157	Measured	1713.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	12	1	160		519.3	Measured	0.304	Calculated	179.3	Measured	0.105	Calculated	258.2	Measured	0.151	Measured	1709.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	13	1	161		430.8	Measured	0.251	Calculated	179.9	Measured	0.105	Calculated	252.2	Measured	0.147	Measured	1715.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	14	1	160		417.9	Measured	0.244	Calculated	179.6	Measured	0.105	Calculated	251.7	Measured	0.147	Measured	1712.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	15	1	160		384.5	Measured	0.227	Calculated	177.3	Measured	0.105	Calculated	250.3	Measured	0.148	Measured	1690.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	16	1	160		379	Measured	0.221	Calculated	180.1	Measured	0.105	Calculated	269.5	Measured	0.157	Measured	1716.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	17	1	173		449.5	Measured	0.246	Calculated	191.5	Measured	0.105	Calculated	248.3	Measured	0.136	Measured	1825.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	18	1	223		612.9	Measured	0.27	Calculated	238.5	Measured	0.105	Calculated	316	Measured	0.139	Measured	2273.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	19	1	231		591.9	Measured	0.254	Calculated	244.2	Measured	0.105	Calculated	353.8	Measured	0.152	Measured	2327.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	20	1	233		568.4	Measured	0.242	Calculated	246.1	Measured	0.105	Calculated	349.6	Measured	0.149	Measured	2346.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	21	1	234		591.8	Measured	0.251	Calculated	247.7	Measured	0.105	Calculated	354.3	Measured	0.15	Measured	2361.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	22	1	222		574.8	Measured	0.255	Calculated	236.8	Measured	0.105	Calculated	352.2	Measured	0.156	Measured	2257.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	23	1	172		509	Measured	0.276	Calculated	193.2	Measured	0.105	Calculated	267.2	Measured	0.145	Measured	1842.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	0	1	221		639.2	Measured	0.282	Calculated	237.5	Measured	0.105	Calculated	317	Measured	0.14	Measured	2264.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	1	1	232		620.2	Measured	0.263	Calculated	247.3	Measured	0.105	Calculated	363.2	Measured	0.154	Measured	2358.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	2	1	232		607.1	Measured	0.258	Calculated	247.2	Measured	0.105	Calculated	363	Measured	0.154	Measured	2357.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	3	1	233		609.2	Measured	0.257	Calculated	248.4	Measured	0.105	Calculated	360	Measured	0.152	Measured	2368.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	4	1	232		560.1	Measured	0.24	Calculated	244.8	Measured	0.105	Calculated	359.5	Measured	0.154	Measured	2334.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	5	1	233		578.9	Measured	0.244	Calculated	248.7	Measured	0.105	Calculated	365.2	Measured	0.154	Measured	2371.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	6	1	233		609.7	Measured	0.258	Calculated	247.9	Measured	0.105	Calculated	361.6	Measured	0.153	Measured	2363.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	7	1	233		603.1	Measured	0.255	Calculated	248.2	Measured	0.105	Calculated	355	Measured	0.15	Measured	2366.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	8	1	232		598	Measured	0.254	Calculated	247.3	Measured	0.105	Calculated	353.7	Measured	0.15	Measured	2358.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	9	1	233		597.8	Measured	0.253	Calculated	248	Measured	0.105	Calculated	352.3	Measured	0.149	Measured	2364.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	10	1	233		612.4	Measured	0.26	Calculated	247	Measured	0.105	Calculated	353.3	Measured	0.15	Measured	2355.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	11	1	233		619	Measured	0.262	Calculated	247.7	Measured	0.105	Calculated	349.6	Measured	0.148	Measured	2362	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	12	1	232		632.2	Measured	0.268	Calculated	247.7	Measured	0.105	Calculated	352	Measured	0.149	Measured	2362.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	13	1	233		628.6	Measured	0.265	Calculated	248.4	Measured	0.105	Calculated	360	Measured	0.152	Measured	2368.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	14	1	233		632.4	Measured	0.268	Calculated	247.5	Measured	0.105	Calculated	354	Measured	0.15	Measured	2360.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	15	1	232		635.8	Measured	0.271	Calculated	246.5	Measured	0.105	Calculated	347.8	Measured	0.148	Measured	2350.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	16	1	233		618.7	Measured	0.264	Calculated	246.2	Measured	0.105	Calculated	347.4	Measured	0.148	Measured	2347.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	17	1	232		616.6	Measured	0.263	Calculated	245.6	Measured	0.105	Calculated	344.2	Measured	0.147	Measured	2341.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	18	1	233		618.9	Measured	0.264	Calculated	246.3	Measured	0.105	Calculated	342.8	Measured	0.146	Measured	2347.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	19	1	233		620.1	Measured	0.265	Calculated	245.8	Measured	0.105	Calculated	344.5	Measured	0.147	Measured	2343.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	20	1	232		611.8	Measured	0.26	Calculated	246.8	Measured	0.105	Calculated	345.9	Measured	0.147	Measured	2352.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	21	1	233		615.7	Measured	0.26	Calculated	248.6	Measured	0.105	Calculated	350.8	Measured	0.148	Measured	2370.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	22	1	232		643.1	Measured	0.272	Calculated	248.1	Measured	0.105	Calculated	350.2	Measured	0.148	Measured	2366	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	23	1	233		659.7	Measured	0.279	Calculated	248.2	Measured	0.105	Calculated	350.3	Measured	0.148	Measured	2366.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	0	1	233		652.8	Measured	0.276	Calculated	247.7	Measured	0.105	Calculated	349.5	Measured	0.148	Measured	2361.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	1	1	233		637.6	Measured	0.271	Calculated	246.9	Measured	0.105	Calculated	348.5	Measured	0.148	Measured	2354.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	2	1	232		638.5	Measured	0.272	Calculated	245.9	Measured	0.105	Calculated	340	Measured	0.145	Measured	2344.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	3	1	233		626.4	Measured	0.264	Calculated	248.7	Measured	0.105	Calculated	343.8	Measured	0.145	Measured	2370.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	4	1	233		590.7	Measured	0.255	Calculated	243.4	Measured	0.105	Calculated	338.8	Measured	0.146	Measured	2320.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	5	1	233		582	Measured	0.248	Calculated	245.6	Measured	0.105	Calculated	339.6	Measured	0.145	Measured	2342.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	6	1	233		609.2	Measured	0.258	Calculated	247.5	Measured	0.105	Calculated	344.5	Measured	0.146	Measured	2359.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	7	1	232		631.8	Measured	0.269	Calculated	246.6	Measured	0.105	Calculated	350.3	Measured	0.149	Measured	2351.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	8	1	233		609.7	Measured	0.258	Calculated	247.6	Measured	0.105	Calculated	344.6	Measured	0.146	Measured	2360.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	9	1	233		619.1	Measured	0.261	Calculated	249	Measured	0.105	Calculated	339.5	Measured	0.143	Measured	2373.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	10	1	233		619.3	Measured	0.261	Calculated	248.8	Measured	0.105	Calculated	344	Measured	0.145	Measured	2372.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	11	1	232		641	Measured	0.27	Calculated	249.2	Measured	0.105	Calculated	346.9	Measured	0.146	Measured	2376	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	12	1	233		642.4	Measured	0.272	Calculated	247.9	Measured	0.105	Calculated	349.8	Measured	0.148	Measured	2363.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	13	1	233		592.7	Measured	0.248	Calculated	250.2	Measured	0.105	Calculated	350.7	Measured	0.147	Measured	2385.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	14	1	233		563.7	Measured	0.237	Calculated	249.8	Measured	0.105	Calculated	347.8	Measured	0.146	Measured	2382.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	15	1	233		603.5	Measured	0.254	Calculated	248.8	Measured	0.105	Calculated	344	Measured	0.145	Measured	2372.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	16	1	233		627.2	Measured	0.264	Calculated	248.9	Measured	0.105	Calculated	351.2	Measured	0.148	Measured	2373.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	17	1	233		641.4	Measured	0.27	Calculated	249.1	Measured	0.105	Calculated	346.8	Measured	0.146	Measured	2375.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	18	1	233		631.7	Measured	0.264	Calculated	251.1	Measured	0.105	Calculated	347.2	Measured	0.145	Measured	2394.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	19	1	233		618.7	Measured	0.261	Calculated	248.4	Measured	0.105	Calculated	345.8	Measured	0.146	Measured	2368.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	20	1	232		639.4	Measured	0.271	Calculated	247.2	Measured	0.105	Calculated	348.9	Measured	0.148	Measured	2357.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	21	1	232		626	Measured	0.262	Calculated	250.3	Measured	0.105	Calculated	358	Measured	0.15	Measured	2386.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	22	1	233		651.7	Measured	0.273	Calculated	250.5	Measured	0.105	Calculated	353.5	Measured	0.148	Measured	2388.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	23	1	233		659.1	Measured	0.279	Calculated	248.2	Measured	0.105	Calculated	352.6	Measured	0.149	Measured	2366.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	0	1	232		646	Measured	0.272	Calculated	249	Measured	0.105	Calculated	346.7	Measured	0.146	Measured	2374.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	1	1	233		707.9	Measured	0.299	Calculated	248.3	Measured	0.105	Calculated	348	Measured	0.147	Measured	2367.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	2	1	232		749	Measured	0.314	Calculated	250.3	Measured	0.105	Calculated	350.8	Measured	0.147	Measured	2386.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	3	1	233		673.1	Measured	0.282	Calculated	250.7	Measured	0.105	Calculated	349	Measured	0.146	Measured	2390.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	4	1	176		515.8	Measured	0.272	Calculated	198.8	Measured	0.105	Calculated	246.4	Measured	0.13	Measured	1895.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	5	1	171		510.9	Measured	0.273	Calculated	196.1	Measured	0.105	Calculated	239.3	Measured	0.128	Measured	1869.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	6	1	173		499.2	Measured	0.264	Calculated	198.1	Measured	0.105	Calculated	228.6	Measured	0.121	Measured	1889.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	7	1	172		507.2	Measured	0.272	Calculated	195.6	Measured	0.105	Calculated	225.7	Measured	0.121	Measured	1865	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	8	1	177		494	Measured	0.257	Calculated	201.4	Measured	0.105	Calculated	226.6	Measured	0.118	Measured	1920.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	9	1	177		492.6	Measured	0.255	Calculated	202.3	Measured	0.105	Calculated	227.6	Measured	0.118	Measured	1928.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	10	1	177		484.7	Measured	0.252	Calculated	201.9	Measured	0.105	Calculated	223.4	Measured	0.116	Measured	1925.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		6/12/2025	11	1	177		467.4	Measured	0.243	Calculated	201.9	Measured	0.105	Calculated	223.3	Measured	0.116	Measured	1925.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	12	1	179		465.5	Measured	0.238	Calculated	205.5	Measured	0.105	Calculated	235.1	Measured	0.12	Measured	1959.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	13	1	222		601.2	Measured	0.258	Calculated	244.8	Measured	0.105	Calculated	322.1	Measured	0.138	Measured	2333.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	14	1	231		586.4	Measured	0.244	Calculated	251.7	Measured	0.105	Calculated	352.8	Measured	0.147	Measured	2400	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	15	1	231		586.8	Measured	0.246	Calculated	250.3	Measured	0.105	Calculated	353.2	Measured	0.148	Measured	2386.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	16	1	231		592	Measured	0.246	Calculated	252.5	Measured	0.105	Calculated	351.5	Measured	0.146	Measured	2407.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	17	1	232		584.1	Measured	0.243	Calculated	252	Measured	0.105	Calculated	353.2	Measured	0.147	Measured	2402.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	18	1	232		592.3	Measured	0.247	Calculated	251.3	Measured	0.105	Calculated	352.3	Measured	0.147	Measured	2396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	19	1	232		596.2	Measured	0.25	Calculated	250.4	Measured	0.105	Calculated	346.2	Measured	0.145	Measured	2387.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	20	1	231		594.9	Measured	0.248	Calculated	251.2	Measured	0.105	Calculated	352.1	Measured	0.147	Measured	2395.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	21	1	232		586.8	Measured	0.243	Calculated	253.2	Measured	0.105	Calculated	362.1	Measured	0.15	Measured	2414	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	22	1	232		593	Measured	0.246	Calculated	253.2	Measured	0.105	Calculated	359.7	Measured	0.149	Measured	2414.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	23	1	231		593.7	Measured	0.247	Calculated	251.7	Measured	0.105	Calculated	355.1	Measured	0.148	Measured	2399.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	0	1	232		611.2	Measured	0.255	Calculated	251.8	Measured	0.105	Calculated	360.2	Measured	0.15	Measured	2401.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	1	1	232		599.5	Measured	0.249	Calculated	252.1	Measured	0.105	Calculated	353.3	Measured	0.147	Measured	2403.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	2	1	231		598.9	Measured	0.25	Calculated	250.8	Measured	0.105	Calculated	351.5	Measured	0.147	Measured	2391.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	3	1	232		597.6	Measured	0.25	Calculated	250.8	Measured	0.105	Calculated	349.1	Measured	0.146	Measured	2390.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	4	1	232		598.6	Measured	0.254	Calculated	247.5	Measured	0.105	Calculated	346.9	Measured	0.147	Measured	2359.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	5	1	231		603.2	Measured	0.252	Calculated	250.6	Measured	0.105	Calculated	351.2	Measured	0.147	Measured	2389	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	6	1	232		595.9	Measured	0.25	Calculated	250.3	Measured	0.105	Calculated	346.1	Measured	0.145	Measured	2386.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	7	1	232		585.1	Measured	0.244	Calculated	251.1	Measured	0.105	Calculated	347.2	Measured	0.145	Measured	2394.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	8	1	232		597.2	Measured	0.251	Calculated	249.1	Measured	0.105	Calculated	334.9	Measured	0.141	Measured	2374.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	9	1	231		600.7	Measured	0.252	Calculated	250.1	Measured	0.105	Calculated	333.8	Measured	0.14	Measured	2384.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	10	1	232		599.3	Measured	0.25	Calculated	251.3	Measured	0.105	Calculated	337.8	Measured	0.141	Measured	2395.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	11	1	232		598.6	Measured	0.251	Calculated	249.6	Measured	0.105	Calculated	340.4	Measured	0.143	Measured	2380.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	12	1	231		654.6	Measured	0.276	Calculated	248.8	Measured	0.105	Calculated	339.3	Measured	0.143	Measured	2372.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	13	1	232		714	Measured	0.299	Calculated	250.4	Measured	0.105	Calculated	341.4	Measured	0.143	Measured	2387.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	14	1	232		533.1	Measured	0.225	Calculated	248.8	Measured	0.105	Calculated	329.7	Measured	0.139	Measured	2372	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	15	1	231		584.7	Measured	0.246	Calculated	249.1	Measured	0.105	Calculated	334.9	Measured	0.141	Measured	2375.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	16	1	232		549	Measured	0.231	Calculated	248.9	Measured	0.105	Calculated	339.3	Measured	0.143	Measured	2372.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	17	1	232		581.5	Measured	0.245	Calculated	248.8	Measured	0.105	Calculated	336.9	Measured	0.142	Measured	2372.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	18	1	232		591.8	Measured	0.25	Calculated	248.6	Measured	0.105	Calculated	341.3	Measured	0.144	Measured	2370.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	19	1	232		589	Measured	0.248	Calculated	248.7	Measured	0.105	Calculated	343.8	Measured	0.145	Measured	2371.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	20	1	231		588	Measured	0.247	Calculated	249.5	Measured	0.105	Calculated	347.4	Measured	0.146	Measured	2379.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	21	1	232		592.1	Measured	0.248	Calculated	250	Measured	0.105	Calculated	343.2	Measured	0.144	Measured	2383.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	22	1	232		599.7	Measured	0.252	Calculated	249.6	Measured	0.105	Calculated	340.3	Measured	0.143	Measured	2380	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	23	1	232		601.5	Measured	0.254	Calculated	248.5	Measured	0.105	Calculated	343.5	Measured	0.145	Measured	2369.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	0	1	232		607.9	Measured	0.256	Calculated	249.2	Measured	0.105	Calculated	339.8	Measured	0.143	Measured	2376.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	1	1	232		603.1	Measured	0.255	Calculated	248.3	Measured	0.105	Calculated	336.1	Measured	0.142	Measured	2367.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	2	1	231		569.7	Measured	0.241	Calculated	247.6	Measured	0.105	Calculated	335.2	Measured	0.142	Measured	2360.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	3	1	232		582.7	Measured	0.246	Calculated	248.8	Measured	0.105	Calculated	332.2	Measured	0.14	Measured	2372.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	4	1	232		581.1	Measured	0.248	Calculated	246	Measured	0.105	Calculated	330.8	Measured	0.141	Measured	2345.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	5	1	232		595.7	Measured	0.252	Calculated	248.2	Measured	0.105	Calculated	336	Measured	0.142	Measured	2366.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	6	1	232		600.8	Measured	0.254	Calculated	248.1	Measured	0.105	Calculated	335.9	Measured	0.142	Measured	2365.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	7	1	232		584	Measured	0.246	Calculated	248.6	Measured	0.105	Calculated	339	Measured	0.143	Measured	2370.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	8	1	231		589.3	Measured	0.248	Calculated	248.8	Measured	0.105	Calculated	339.2	Measured	0.143	Measured	2372.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	9	1	232		593.7	Measured	0.249	Calculated	249.6	Measured	0.105	Calculated	340.4	Measured	0.143	Measured	2380.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	10	1	232		619.2	Measured	0.261	Calculated	249.1	Measured	0.105	Calculated	337.3	Measured	0.142	Measured	2375.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	11	1	231		603.2	Measured	0.255	Calculated	248	Measured	0.105	Calculated	335.8	Measured	0.142	Measured	2365	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	12	1	232		601.8	Measured	0.254	Calculated	248.2	Measured	0.105	Calculated	338.5	Measured	0.143	Measured	2366.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	13	1	232		602.6	Measured	0.251	Calculated	251.3	Measured	0.105	Calculated	340.3	Measured	0.142	Measured	2396.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	14	1	232		590.3	Measured	0.249	Calculated	248.7	Measured	0.105	Calculated	343.8	Measured	0.145	Measured	2371.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	15	1	232		595.6	Measured	0.253	Calculated	247.3	Measured	0.105	Calculated	339.6	Measured	0.144	Measured	2358.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	16	1	232		607.8	Measured	0.258	Calculated	246.9	Measured	0.105	Calculated	341.3	Measured	0.145	Measured	2353.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	17	1	231		601.1	Measured	0.256	Calculated	246.4	Measured	0.105	Calculated	345.3	Measured	0.147	Measured	2349	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	18	1	232		588.9	Measured	0.251	Calculated	246.3	Measured	0.105	Calculated	345.2	Measured	0.147	Measured	2348.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	19	1	232		611.1	Measured	0.259	Calculated	247.5	Measured	0.105	Calculated	349.2	Measured	0.148	Measured	2359.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	20	1	231		602.3	Measured	0.255	Calculated	248.1	Measured	0.105	Calculated	350.1	Measured	0.148	Measured	2365.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	21	1	231		597.6	Measured	0.252	Calculated	248.5	Measured	0.105	Calculated	348.3	Measured	0.147	Measured	2369.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	22	1	232		651.1	Measured	0.273	Calculated	250.3	Measured	0.105	Calculated	350.8	Measured	0.147	Measured	2386.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	23	1	231		957.9	Measured	0.404	Calculated	248.7	Measured	0.105	Calculated	358	Measured	0.151	Measured	2370.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	0	1	232		689.4	Measured	0.291	Calculated	248.2	Measured	0.105	Calculated	347.9	Measured	0.147	Measured	2366.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	1	1	232		637.5	Measured	0.268	Calculated	249.4	Measured	0.105	Calculated	344.9	Measured	0.145	Measured	2378.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	2	1	232		641.5	Measured	0.272	Calculated	247.5	Measured	0.105	Calculated	344.6	Measured	0.146	Measured	2360	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	3	1	231		613.6	Measured	0.258	Calculated	249.6	Measured	0.105	Calculated	345	Measured	0.145	Measured	2379.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	4	1	232		571.7	Measured	0.243	Calculated	246.7	Measured	0.105	Calculated	336.4	Measured	0.143	Measured	2352.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	5	1	232		573.7	Measured	0.241	Calculated	249.4	Measured	0.105	Calculated	337.6	Measured	0.142	Measured	2377.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	6	1	232		573.6	Measured	0.241	Calculated	249.3	Measured	0.105	Calculated	337.5	Measured	0.142	Measured	2377.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	7	1	232		602	Measured	0.255	Calculated	248	Measured	0.105	Calculated	338.1	Measured	0.143	Measured	2364.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	8	1	231		588.2	Measured	0.248	Calculated	248.5	Measured	0.105	Calculated	336.5	Measured	0.142	Measured	2369.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	9	1	232		594.9	Measured	0.251	Calculated	248.8	Measured	0.105	Calculated	339.2	Measured	0.143	Measured	2372.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	10	1	231		583.9	Measured	0.246	Calculated	249.3	Measured	0.105	Calculated	344.7	Measured	0.145	Measured	2377.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	11	1	232		602.4	Measured	0.252	Calculated	250.4	Measured	0.105	Calculated	346.2	Measured	0.145	Measured	2387.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	12	1	231		596.1	Measured	0.25	Calculated	249.8	Measured	0.105	Calculated	347.7	Measured	0.146	Measured	2381.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	13	1	232		608.7	Measured	0.254	Calculated	251.6	Measured	0.105	Calculated	347.8	Measured	0.145	Measured	2398.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	14	1	232		585.6	Measured	0.244	Calculated	251.3	Measured	0.105	Calculated	345.1	Measured	0.144	Measured	2396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	15	1	232		585.6	Measured	0.244	Calculated	251.3	Measured	0.105	Calculated	345.1	Measured	0.144	Measured	2396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	16	1	232		581.9	Measured	0.245	Calculated	248.7	Measured	0.105	Calculated	341.5	Measured	0.144	Measured	2371.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	17	1	232		578.8	Measured	0.245	Calculated	247.9	Measured	0.105	Calculated	333.3	Measured	0.141	Measured	2363.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	18	1	231		608.4	Measured	0.257	Calculated	247.9	Measured	0.105	Calculated	335.6	Measured	0.142	Measured	2363.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	19	1	232		599.5	Measured	0.253	Calculated	248.4	Measured	0.105	Calculated	338.7	Measured	0.143	Measured	2368.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	20	1	231		593.5	Measured	0.249	Calculated	249.5	Measured	0.105	Calculated	342.6	Measured	0.144	Measured	2379.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	21	1	232		585.7	Measured	0.247	Calculated	248.8	Measured	0.105	Calculated	348.7	Measured	0.147	Measured	2372.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	22	1	232		591.5	Measured	0.248	Calculated	249.9	Measured	0.105	Calculated	350.3	Measured	0.147	Measured	2383.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	23	1	232		584.5	Measured	0.245	Calculated	250.1	Measured	0.105	Calculated	348.1	Measured	0.146	Measured	2384.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	0	1	232		603.4	Measured	0.255	Calculated	247.7	Measured	0.105	Calculated	349.6	Measured	0.148	Measured	2361.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	1	1	232		584.6	Measured	0.247	Calculated	248.3	Measured	0.105	Calculated	343.3	Measured	0.145	Measured	2367.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	2	1	232		585.6	Measured	0.247	Calculated	249	Measured	0.105	Calculated	341.9	Measured	0.144	Measured	2374.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	3	1	231		577.5	Measured	0.243	Calculated	249.4	Measured	0.105	Calculated	340.1	Measured	0.143	Measured	2378.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	4	1	231		530.2	Measured	0.225	Calculated	246.9	Measured	0.105	Calculated	339	Measured	0.144	Measured	2354.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	5	1	232		554.2	Measured	0.233	Calculated	249.1	Measured	0.105	Calculated	346.8	Measured	0.146	Measured	2375.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	6	1	232		581.6	Measured	0.244	Calculated	250.4	Measured	0.105	Calculated	355.8	Measured	0.149	Measured	2387.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	7	1	232		608.6	Measured	0.255	Calculated	250.2	Measured	0.105	Calculated	350.7	Measured	0.147	Measured	2385.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	8	1	232		601.8	Measured	0.253	Calculated	249.9	Measured	0.105	Calculated	347.9	Measured	0.146	Measured	2382.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	9	1	231		629.5	Measured	0.263	Calculated	251	Measured	0.105	Calculated	349.4	Measured	0.146	Measured	2392.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	10	1	232		632	Measured	0.262	Calculated	252.8	Measured	0.105	Calculated	344.7	Measured	0.143	Measured	2410.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	11	1	232		626.6	Measured	0.261	Calculated	251.8	Measured	0.105	Calculated	345.7	Measured	0.144	Measured	2400.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	12	1	232		611.2	Measured	0.255	Calculated	251.8	Measured	0.105	Calculated	352.9	Measured	0.147	Measured	2400.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	13	1	232		539.6	Measured	0.225	Calculated	251.4	Measured	0.105	Calculated	354.7	Measured	0.148	Measured	2396.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	14	1	232		539.6	Measured	0.225	Calculated	252	Measured	0.105	Calculated	358	Measured	0.149	Measured	2402.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	15	1	232		592.4	Measured	0.247	Calculated	251.6	Measured	0.105	Calculated	355.1	Measured	0.148	Measured	2399.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	16	1	231		640	Measured	0.267	Calculated	251	Measured	0.105	Calculated	356.6	Measured	0.149	Measured	2393.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	17	1	232		624.3	Measured	0.261	Calculated	251.1	Measured	0.105	Calculated	349.5	Measured	0.146	Measured	2393.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	18	1	232		602.9	Measured	0.254	Calculated	249.3	Measured	0.105	Calculated	347.1	Measured	0.146	Measured	2377.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	19	1	232		586.2	Measured	0.247	Calculated	249	Measured	0.105	Calculated	346.6	Measured	0.146	Measured	2374.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	20	1	231		589.2	Measured	0.248	Calculated	249.5	Measured	0.105	Calculated	347.3	Measured	0.146	Measured	2379	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	21	1	232		581.1	Measured	0.245	Calculated	248.9	Measured	0.105	Calculated	344.1	Measured	0.145	Measured	2373.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	22	1	232		717.3	Measured	0.302	Calculated	249.2	Measured	0.105	Calculated	349.3	Measured	0.147	Measured	2376.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	23	1	232		966.1	Measured	0.406	Calculated	249.9	Measured	0.105	Calculated	359.7	Measured	0.151	Measured	2382.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	0	1	185		565.5	Measured	0.293	Calculated	202.2	Measured	0.105	Calculated	273.8	Measured	0.142	Measured	1928.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	1	1	216		592.9	Measured	0.265	Calculated	234.8	Measured	0.105	Calculated	297.8	Measured	0.133	Measured	2239	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	2	1	232		576.4	Measured	0.244	Calculated	247.7	Measured	0.105	Calculated	347.1	Measured	0.147	Measured	2361.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	3	1	231		588.1	Measured	0.248	Calculated	248.5	Measured	0.105	Calculated	343.6	Measured	0.145	Measured	2369.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	4	1	231		641.3	Measured	0.275	Calculated	244.9	Measured	0.105	Calculated	347.9	Measured	0.149	Measured	2335	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	5	1	231		644.9	Measured	0.274	Calculated	246.7	Measured	0.105	Calculated	355.2	Measured	0.151	Measured	2352.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	6	1	232		593.7	Measured	0.251	Calculated	248	Measured	0.105	Calculated	354.7	Measured	0.15	Measured	2364.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	7	1	232		567.5	Measured	0.239	Calculated	249.1	Measured	0.105	Calculated	353.9	Measured	0.149	Measured	2375.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	8	1	231		599.9	Measured	0.254	Calculated	247.4	Measured	0.105	Calculated	356.2	Measured	0.151	Measured	2359.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	9	1	232		612	Measured	0.258	Calculated	249.2	Measured	0.105	Calculated	358.8	Measured	0.151	Measured	2376.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	10	1	232		621.3	Measured	0.262	Calculated	248.2	Measured	0.105	Calculated	355.1	Measured	0.15	Measured	2367	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	11	1	232		633.7	Measured	0.267	Calculated	249.3	Measured	0.105	Calculated	354.1	Measured	0.149	Measured	2376.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	12	1	232		635.2	Measured	0.267	Calculated	249.6	Measured	0.105	Calculated	359.4	Measured	0.151	Measured	2380.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	13	1	232		634.4	Measured	0.264	Calculated	252	Measured	0.105	Calculated	362.8	Measured	0.151	Measured	2402.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	14	1	232		602.2	Measured	0.251	Calculated	252.1	Measured	0.105	Calculated	358.1	Measured	0.149	Measured	2403.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	15	1	232		643.9	Measured	0.268	Calculated	251.8	Measured	0.105	Calculated	355.4	Measured	0.148	Measured	2401.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	16	1	231		682.2	Measured	0.286	Calculated	250.1	Measured	0.105	Calculated	357.6	Measured	0.15	Measured	2384.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	17	1	231		668.2	Measured	0.278	Calculated	252.5	Measured	0.105	Calculated	363.6	Measured	0.151	Measured	2407.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	18	1	233		648.6	Measured	0.269	Calculated	253.2	Measured	0.105	Calculated	366.9	Measured	0.152	Measured	2414.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	19	1	232		652.5	Measured	0.273	Calculated	251.1	Measured	0.105	Calculated	361.5	Measured	0.151	Measured	2394.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	20	1	232		637	Measured	0.266	Calculated	250.8	Measured	0.105	Calculated	358.8	Measured	0.15	Measured	2391.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	21	1	232		632	Measured	0.269	Calculated	246.8	Measured	0.105	Calculated	360	Measured	0.153	Measured	2353.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	22	1	232		625.2	Measured	0.27	Calculated	243.2	Measured	0.105	Calculated	359.5	Measured	0.155	Measured	2319.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	23	1	232		618.2	Measured	0.267	Calculated	242.7	Measured	0.105	Calculated	356.3	Measured	0.154	Measured	2313.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	0	1	232		639	Measured	0.275	Calculated	243.3	Measured	0.105	Calculated	361.9	Measured	0.156	Measured	2320.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	1	1	232		629.8	Measured	0.27	Calculated	244.3	Measured	0.105	Calculated	363.4	Measured	0.156	Measured	2329.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	2	1	232		610.9	Measured	0.263	Calculated	243.2	Measured	0.105	Calculated	359.4	Measured	0.155	Measured	2318.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	3	1	232		620.1	Measured	0.267	Calculated	243.2	Measured	0.105	Calculated	359.4	Measured	0.155	Measured	2318.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	4	1	232		635.4	Measured	0.268	Calculated	248.7	Measured and	0.105	Calculated	343.9	Measured and Su	0.145	Substitute	2371.6	Measured and S	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	5	1	251		663.4	Measured	0.259	Calculated	268.3	Measured and	0.105	Calculated	386.3	Measured and Su	0.151	Substitute	2558	Measured and S	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		6/18/2025	6	1	237		605.9	Measured	0.251	Calculated	252.8	Measured and	0.105	Calculated	349.5	Measured and Su	0.145	Substitute	2410.5	Measured and S	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	7	1	235		621.6	Measured	0.252	Calculated	258.3	Measured	0.105	Calculated	359.5	Measured	0.146	Measured	2462.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	8	1	235		646	Measured	0.26	Calculated	260.7	Measured	0.105	Calculated	365.4	Measured	0.147	Measured	2485.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	9	1	235		659.9	Measured	0.273	Calculated	253.9	Measured	0.105	Calculated	363.2	Measured	0.15	Measured	2421	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	10	1	236		670.6	Measured	0.278	Calculated	253	Measured	0.105	Calculated	361.8	Measured	0.15	Measured	2412.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	11	1	235		661.7	Measured	0.272	Calculated	255.5	Measured	0.105	Calculated	358.2	Measured	0.147	Measured	2436.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	12	1	235		655.2	Measured	0.267	Calculated	257.8	Measured	0.105	Calculated	363.8	Measured	0.148	Measured	2458.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	13	1	235		647.5	Measured	0.262	Calculated	258.9	Measured	0.105	Calculated	367.9	Measured	0.149	Measured	2468.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	14	1	235		645.7	Measured	0.26	Calculated	260.5	Measured	0.105	Calculated	372.5	Measured	0.15	Measured	2483.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	15	1	235		661.3	Measured	0.266	Calculated	260.8	Measured	0.105	Calculated	370.6	Measured	0.149	Measured	2487.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	16	1	235		666.3	Measured	0.271	Calculated	258.3	Measured	0.105	Calculated	369.4	Measured	0.15	Measured	2462.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	17	1	235		680.8	Measured	0.276	Calculated	259	Measured	0.105	Calculated	363.1	Measured	0.147	Measured	2469.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	18	1	236		673.4	Measured	0.273	Calculated	258.8	Measured	0.105	Calculated	365.2	Measured	0.148	Measured	2467.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	19	1	235		660.6	Measured	0.269	Calculated	257.3	Measured	0.105	Calculated	372.9	Measured	0.152	Measured	2453.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	20	1	235		652.5	Measured	0.265	Calculated	258.3	Measured	0.105	Calculated	379.2	Measured	0.154	Measured	2462.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	21	1	236		651.6	Measured	0.265	Calculated	258.1	Measured	0.105	Calculated	376.5	Measured	0.153	Measured	2460.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	22	1	235		684.6	Measured	0.278	Calculated	258.6	Measured	0.105	Calculated	379.7	Measured	0.154	Measured	2465.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	23	1	235		875.9	Measured	0.358	Calculated	256.3	Measured	0.105	Calculated	386.2	Measured	0.158	Measured	2444.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	0	1	235		709.4	Measured	0.291	Calculated	255.9	Measured	0.105	Calculated	375.8	Measured	0.154	Measured	2440.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	1	1	235		665.6	Measured	0.274	Calculated	254.7	Measured	0.105	Calculated	369.1	Measured	0.152	Measured	2428	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	2	1	235		659.4	Measured	0.27	Calculated	256.5	Measured	0.105	Calculated	359.5	Measured	0.147	Measured	2445.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	3	1	235		667.8	Measured	0.272	Calculated	257.4	Measured	0.105	Calculated	365.7	Measured	0.149	Measured	2454.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	4	1	235		635.8	Measured	0.263	Calculated	253.5	Measured	0.105	Calculated	360.1	Measured	0.149	Measured	2416.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	5	1	235		650	Measured	0.267	Calculated	255.3	Measured	0.105	Calculated	367.6	Measured	0.151	Measured	2434.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	6	1	236		673	Measured	0.276	Calculated	255.6	Measured	0.105	Calculated	370.4	Measured	0.152	Measured	2436.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	7	1	235		668.5	Measured	0.276	Calculated	253.9	Measured	0.105	Calculated	365.5	Measured	0.151	Measured	2420.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	8	1	243		724.7	Measured	0.292	Calculated	260.7	Measured	0.105	Calculated	377.8	Measured	0.152	Measured	2485.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	9	1	257		692.6	Measured	0.262	Calculated	276.9	Measured	0.105	Calculated	390.8	Measured	0.148	Measured	2640.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	10	1	256		688.5	Measured	0.264	Calculated	273	Measured	0.105	Calculated	393.1	Measured	0.151	Measured	2603.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	11	1	256		701.2	Measured	0.267	Calculated	275.1	Measured	0.105	Calculated	396.1	Measured	0.151	Measured	2623.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	12	1	257		701.7	Measured	0.266	Calculated	276.9	Measured	0.105	Calculated	401.3	Measured	0.152	Measured	2640	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	13	1	257		713.7	Measured	0.271	Calculated	276.6	Measured	0.105	Calculated	403.5	Measured	0.153	Measured	2637.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	14	1	257		718.9	Measured	0.271	Calculated	277.9	Measured	0.105	Calculated	408	Measured	0.154	Measured	2649.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	15	1	257		715.9	Measured	0.272	Calculated	275.7	Measured	0.105	Calculated	399.5	Measured	0.152	Measured	2628.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	16	1	257		733.5	Measured	0.278	Calculated	276.3	Measured	0.105	Calculated	400.4	Measured	0.152	Measured	2634	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	17	1	256		721	Measured	0.275	Calculated	275.1	Measured	0.105	Calculated	393.4	Measured	0.15	Measured	2622.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	18	1	257		704.8	Measured	0.268	Calculated	276.3	Measured	0.105	Calculated	403.1	Measured	0.153	Measured	2634.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	19	1	258		697.5	Measured	0.265	Calculated	275.8	Measured	0.105	Calculated	397.1	Measured	0.151	Measured	2630	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	20	1	250		677.7	Measured	0.268	Calculated	265	Measured	0.105	Calculated	381.5	Measured	0.151	Measured	2526.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	21	1	256		720.6	Measured	0.28	Calculated	269.9	Measured	0.105	Calculated	388.5	Measured	0.151	Measured	2573	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	22	1	255		706.4	Measured	0.274	Calculated	270.5	Measured	0.105	Calculated	384.3	Measured	0.149	Measured	2579.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	23	1	255		693.3	Measured	0.271	Calculated	268.6	Measured	0.105	Calculated	379	Measured	0.148	Measured	2560.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	0	1	256		702.9	Measured	0.274	Calculated	268.7	Measured	0.105	Calculated	386.8	Measured	0.151	Measured	2561.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	1	1	256		712.3	Measured	0.275	Calculated	271.5	Measured	0.105	Calculated	390.9	Measured	0.151	Measured	2588.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	2	1	256		699.2	Measured	0.27	Calculated	271.8	Measured	0.105	Calculated	386.2	Measured	0.149	Measured	2591.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	3	1	256		699.2	Measured	0.269	Calculated	272.3	Measured	0.105	Calculated	379.1	Measured	0.146	Measured	2596.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	4	1	256		703.3	Measured	0.272	Calculated	270.9	Measured	0.105	Calculated	382.2	Measured	0.148	Measured	2582.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	5	1	256		733.8	Measured	0.283	Calculated	272.3	Measured	0.105	Calculated	389.5	Measured	0.15	Measured	2596.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	6	1	255		709.8	Measured	0.273	Calculated	272.8	Measured	0.105	Calculated	390.2	Measured	0.15	Measured	2601.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	7	1	257		660	Measured	0.252	Calculated	274.4	Measured	0.105	Calculated	389.9	Measured	0.149	Measured	2616.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	8	1	256		646.1	Measured	0.25	Calculated	270.8	Measured	0.105	Calculated	384.7	Measured	0.149	Measured	2581.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	9	1	256		688.5	Measured	0.267	Calculated	270.5	Measured	0.105	Calculated	381.7	Measured	0.148	Measured	2579.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	10	1	255		691.2	Measured	0.268	Calculated	270.8	Measured	0.105	Calculated	382.1	Measured	0.148	Measured	2581.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	11	1	256		705.2	Measured	0.27	Calculated	273.9	Measured	0.105	Calculated	383.8	Measured	0.147	Measured	2611.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	12	1	255		695.7	Measured	0.27	Calculated	270.7	Measured	0.105	Calculated	379.5	Measured	0.147	Measured	2581.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	13	1	255		695.6	Measured	0.268	Calculated	272.2	Measured	0.105	Calculated	394.6	Measured	0.152	Measured	2595.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	14	1	256		692.3	Measured	0.267	Calculated	272.3	Measured	0.105	Calculated	394.6	Measured	0.152	Measured	2596.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	15	1	255		712	Measured	0.275	Calculated	271.1	Measured	0.105	Calculated	395.6	Measured	0.153	Measured	2585.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	16	1	255		779.3	Measured	0.302	Calculated	270.8	Measured	0.105	Calculated	392.5	Measured	0.152	Measured	2582.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	17	1	256		813.1	Measured	0.314	Calculated	271.8	Measured	0.105	Calculated	393.9	Measured	0.152	Measured	2591.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	18	1	256		767.6	Measured	0.294	Calculated	273.7	Measured	0.105	Calculated	391.4	Measured	0.15	Measured	2609.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	19	1	256		749.7	Measured	0.289	Calculated	271.7	Measured	0.105	Calculated	398.9	Measured	0.154	Measured	2590.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	20	1	256		717.6	Measured	0.275	Calculated	273.5	Measured	0.105	Calculated	406.8	Measured	0.156	Measured	2607.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	21	1	256		748.6	Measured	0.288	Calculated	272.8	Measured	0.105	Calculated	400.5	Measured	0.154	Measured	2600.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	22	1	256		921.8	Measured	0.355	Calculated	272	Measured	0.105	Calculated	396.8	Measured	0.153	Measured	2593.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	23	1	255		1505.9	Measured	0.582	Calculated	271.2	Measured	0.105	Calculated	413.7	Measured	0.16	Measured	2585.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	0	1	256		1089.6	Measured	0.42	Calculated	271.9	Measured	0.105	Calculated	414.8	Measured	0.16	Measured	2592.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	1	1	256		994.2	Measured	0.382	Calculated	273.3	Measured	0.105	Calculated	406.5	Measured	0.156	Measured	2605.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	2	1	255		872.6	Measured	0.339	Calculated	269.7	Measured	0.105	Calculated	398.5	Measured	0.155	Measured	2571.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	3	1	256		842.5	Measured	0.327	Calculated	270.1	Measured	0.105	Calculated	396.6	Measured	0.154	Measured	2575.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	4	1	255		943.5	Measured	0.37	Calculated	267.1	Measured	0.105	Calculated	402.4	Measured	0.158	Measured	2546.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	5	1	256		1069	Measured	0.408	Calculated	275	Measured	0.105	Calculated	419.5	Measured	0.16	Measured	2622.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	6	1	256		1088.2	Measured	0.415	Calculated	275.3	Measured	0.105	Calculated	420	Measured	0.16	Measured	2625.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	7	1	256		1032	Measured	0.394	Calculated	274.9	Measured	0.105	Calculated	414.1	Measured	0.158	Measured	2621.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	8	1	255		1046.3	Measured	0.401	Calculated	273.3	Measured	0.105	Calculated	419.6	Measured	0.161	Measured	2606.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	9	1	255		1088.2	Measured	0.415	Calculated	275.2	Measured	0.105	Calculated	419.8	Measured	0.16	Measured	2623.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	10	1	256		1160	Measured	0.442	Calculated	275.3	Measured	0.105	Calculated	422.5	Measured	0.161	Measured	2624.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	11	1	256		1303.8	Measured	0.494	Calculated	276.9	Measured	0.105	Calculated	433	Measured	0.164	Measured	2640.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	12	1	256		1356.5	Measured	0.511	Calculated	278.5	Measured	0.105	Calculated	435.5	Measured	0.164	Measured	2655.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	13	1	256		1408.5	Measured	0.532	Calculated	277.7	Measured	0.105	Calculated	436.9	Measured	0.165	Measured	2647.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	14	1	255		1361.4	Measured	0.513	Calculated	278.2	Measured	0.105	Calculated	442.9	Measured	0.167	Measured	2652.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	15	1	256		1311	Measured	0.489	Calculated	281	Measured	0.105	Calculated	434.1	Measured	0.162	Measured	2679.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	16	1	256		1132.9	Measured	0.424	Calculated	280.1	Measured	0.105	Calculated	432.6	Measured	0.162	Measured	2670.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	17	1	256		1018.3	Measured	0.381	Calculated	280	Measured	0.105	Calculated	421.8	Measured	0.158	Measured	2669.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	18	1	256		991.7	Measured	0.372	Calculated	279.8	Measured	0.105	Calculated	418.9	Measured	0.157	Measured	2668.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	19	1	256		995.6	Measured	0.376	Calculated	278.1	Measured	0.105	Calculated	405.6	Measured	0.153	Measured	2651.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	20	1	255		884.7	Measured	0.334	Calculated	277.9	Measured	0.105	Calculated	416	Measured	0.157	Measured	2649.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	21	1	255		803.3	Measured	0.304	Calculated	276.8	Measured	0.105	Calculated	409	Measured	0.155	Measured	2639	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	22	1	256		812	Measured	0.305	Calculated	279.3	Measured	0.105	Calculated	407.4	Measured	0.153	Measured	2662.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	23	1	256		947.4	Measured	0.358	Calculated	277.7	Measured	0.105	Calculated	407.8	Measured	0.154	Measured	2647.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	0	1	256		1040.3	Measured	0.393	Calculated	277.5	Measured	0.105	Calculated	407.4	Measured	0.154	Measured	2645.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	1	1	256		1056.5	Measured	0.397	Calculated	279.2	Measured	0.105	Calculated	410	Measured	0.154	Measured	2662.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	2	1	255		918.9	Measured	0.347	Calculated	277.9	Measured	0.105	Calculated	413.4	Measured	0.156	Measured	2649.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	3	1	256		848.9	Measured	0.321	Calculated	277	Measured	0.105	Calculated	401.5	Measured	0.152	Measured	2641.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	4	1	256		871.4	Measured	0.331	Calculated	275.8	Measured	0.105	Calculated	397.1	Measured	0.151	Measured	2630.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	5	1	255		866.1	Measured	0.329	Calculated	275.8	Measured	0.105	Calculated	405	Measured	0.154	Measured	2630	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	6	1	255		856.7	Measured	0.325	Calculated	276.7	Measured	0.105	Calculated	406.3	Measured	0.154	Measured	2638.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	7	1	255		851.7	Measured	0.322	Calculated	277.1	Measured	0.105	Calculated	401.6	Measured	0.152	Measured	2641.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	8	1	256		870.7	Measured	0.328	Calculated	278.2	Measured	0.105	Calculated	400.5	Measured	0.151	Measured	2652.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	9	1	256		875.1	Measured	0.329	Calculated	278.7	Measured	0.105	Calculated	393.2	Measured	0.148	Measured	2656.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	10	1	255		842.9	Measured	0.318	Calculated	278.3	Measured	0.105	Calculated	392.7	Measured	0.148	Measured	2653.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	11	1	255		793.5	Measured	0.3	Calculated	277.8	Measured	0.105	Calculated	397.4	Measured	0.15	Measured	2649	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	12	1	255		762.9	Measured	0.286	Calculated	279.4	Measured	0.105	Calculated	391.7	Measured	0.147	Measured	2664.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	13	1	256		778.9	Measured	0.291	Calculated	281	Measured	0.105	Calculated	396.6	Measured	0.148	Measured	2679.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	14	1	255		779.6	Measured	0.293	Calculated	279.2	Measured	0.105	Calculated	404.6	Measured	0.152	Measured	2661.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	15	1	255		801.8	Measured	0.3	Calculated	280.7	Measured	0.105	Calculated	404.2	Measured	0.151	Measured	2676.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	16	1	255		795.6	Measured	0.297	Calculated	281	Measured	0.105	Calculated	407.2	Measured	0.152	Measured	2679	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	17	1	255		795	Measured	0.296	Calculated	281.7	Measured	0.105	Calculated	403	Measured	0.15	Measured	2686.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	18	1	256		776.5	Measured	0.288	Calculated	282.4	Measured	0.105	Calculated	395.8	Measured	0.147	Measured	2692.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	19	1	255		1152.2	Measured	0.431	Calculated	280.2	Measured	0.105	Calculated	411.5	Measured	0.154	Measured	2672	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	20	1	255		1042.2	Measured	0.39	Calculated	280.5	Measured	0.105	Calculated	417.3	Measured	0.156	Measured	2674.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	21	1	255		861.6	Measured	0.32	Calculated	282.4	Measured	0.105	Calculated	409.3	Measured	0.152	Measured	2692.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	22	1	252		787.1	Measured	0.297	Calculated	278.3	Measured	0.105	Calculated	390.1	Measured	0.147	Measured	2653.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	23	1	235		614.2	Measured	0.25	Calculated	258	Measured	0.105	Calculated	332.1	Measured	0.135	Measured	2459.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	0	1	235		631.4	Measured	0.259	Calculated	256	Measured	0.105	Calculated	329.5	Measured	0.135	Measured	2440.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	1	1	234		650.6	Measured	0.267	Calculated	255.8	Measured	0.105	Calculated	324.4	Measured	0.133	Measured	2439.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	2	1	234		657	Measured	0.268	Calculated	257.1	Measured	0.105	Calculated	330.9	Measured	0.135	Measured	2451.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	3	1	233		584.5	Measured	0.241	Calculated	254.6	Measured	0.105	Calculated	330.2	Measured	0.136	Measured	2427.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	4	1	236		572.6	Measured	0.235	Calculated	255.1	Measured	0.105	Calculated	323.5	Measured	0.133	Measured	2432.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	5	1	236		623.5	Measured	0.254	Calculated	257.9	Measured	0.105	Calculated	332	Measured	0.135	Measured	2459.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	6	1	236		649.6	Measured	0.262	Calculated	259.6	Measured	0.105	Calculated	336.7	Measured	0.136	Measured	2475.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	7	1	242		704.8	Measured	0.277	Calculated	266.4	Measured	0.105	Calculated	355.7	Measured	0.14	Measured	2540.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	8	1	257		779.7	Measured	0.286	Calculated	286.4	Measured	0.105	Calculated	423.2	Measured	0.155	Measured	2730.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	9	1	257		755.5	Measured	0.278	Calculated	285.1	Measured	0.105	Calculated	421.3	Measured	0.155	Measured	2718.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	10	1	258		771.6	Measured	0.284	Calculated	285.1	Measured	0.105	Calculated	424.1	Measured	0.156	Measured	2718.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	11	1	258		783.4	Measured	0.287	Calculated	285.9	Measured	0.105	Calculated	419.8	Measured	0.154	Measured	2726	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	12	1	257		753.1	Measured	0.275	Calculated	286.8	Measured	0.105	Calculated	429.3	Measured	0.157	Measured	2734.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	13	1	258		702.9	Measured	0.255	Calculated	288.8	Measured	0.105	Calculated	432.3	Measured	0.157	Measured	2753.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	14	0.85	252		581.655	Measured	0.248	Calculated	245.565	Measured	0.105	Calculated	362.865	Measured	0.155	Measured	2341.325	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	2	0.23	0		0	Measured	0	Calculated	0.874	Measured	0.104	Calculated	0	Measured	0	Measured	8.418	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	3	1	0		0	Measured	0	Calculated	10.9	Measured	0.105	Calculated	0.6	Measured	0.006	Measured	104.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	4	1	0		0	Measured	0	Calculated	14.4	Measured	0.105	Calculated	3.4	Measured	0.025	Measured	137.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	5	1	0		0	Measured	0	Calculated	16.8	Measured	0.105	Calculated	8.5	Measured	0.053	Measured	160	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	6	1	0		0	Measured	0	Calculated	16.7	Measured	0.105	Calculated	11	Measured	0.069	Measured	159	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	7	1	0		0	Measured	0	Calculated	18.9	Measured	0.105	Calculated	15.1	Measured	0.084	Measured	179.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	8	1	0		0	Measured	0	Calculated	18.8	Measured	0.105	Calculated	16.2	Measured	0.09	Measured	179.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	9	1	0		0	Measured	0	Calculated	17.7	Measured	0.105	Calculated	14.8	Measured	0.088	Measured	168.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	10	1	0		0	Measured	0	Calculated	13.4	Measured	0.105	Calculated	10.3	Measured	0.081	Measured	127.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	11	1	0		0	Measured	0	Calculated	12.3	Measured	0.105	Calculated	9.1	Measured	0.078	Measured	117.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		7/26/2025	12	1	0		0	Measured	0	Calculated	9.1	Measured	0.104	Calculated	5	Measured	0.057	Measured	87.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	13	1	0		0	Measured	0	Calculated	11.2	Measured	0.105	Calculated	6.1	Measured	0.057	Measured	107.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	14	1	0		0	Measured	0	Calculated	8.1	Measured	0.105	Calculated	2.9	Measured	0.038	Measured	76.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	15	1	0		0	Measured	0	Calculated	9.1	Measured	0.105	Calculated	3.3	Measured	0.038	Measured	86.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	16	1	0		0	Measured	0	Calculated	12.3	Measured	0.105	Calculated	6.4	Measured	0.055	Measured	116.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	17	1	0		0	Measured	0	Calculated	14.4	Measured	0.105	Calculated	9.5	Measured	0.069	Measured	137.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	18	1	0		0	Measured	0	Calculated	17.8	Measured	0.105	Calculated	14.6	Measured	0.086	Measured	169.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	19	1	0		0	Measured	0	Calculated	18.8	Measured	0.105	Calculated	16.1	Measured	0.09	Measured	179	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	20	1	0		0	Measured	0	Calculated	17.7	Measured	0.105	Calculated	14.7	Measured	0.087	Measured	168.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	21	1	0		0	Measured	0	Calculated	17.7	Measured	0.105	Calculated	14.5	Measured	0.086	Measured	168.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	22	1	0		0	Measured	0	Calculated	18.8	Measured	0.105	Calculated	15.2	Measured	0.085	Measured	179	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/26/2025	23	1	0		0	Measured	0	Calculated	18.9	Measured	0.105	Calculated	14.8	Measured	0.082	Measured	179.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	0	1	0		0	Measured	0	Calculated	23.6	Measured	0.105	Calculated	21.8	Measured	0.097	Measured	224.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	1	1	11		0	Measured	0	Calculated	32.2	Measured	0.105	Calculated	59.5	Measured	0.194	Measured	306.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	2	1	26		20.7	Measured	0.038	Calculated	56.9	Measured	0.105	Calculated	258.4	Measured	0.476	Measured	542.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	3	1	45		86.9	Measured	0.124	Calculated	73.7	Measured	0.105	Calculated	335.2	Measured	0.477	Measured	702.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	4	1	50		135.6	Measured	0.186	Calculated	76.4	Measured	0.105	Calculated	375.6	Measured	0.516	Measured	728	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	5	1	51		157.6	Measured	0.213	Calculated	77.7	Measured	0.105	Calculated	379.1	Measured	0.512	Measured	740.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	6	1	50		152.8	Measured	0.214	Calculated	74.8	Measured	0.105	Calculated	394.9	Measured	0.554	Measured	712.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	7	1	61		201.7	Measured	0.255	Calculated	82.9	Measured	0.105	Calculated	362	Measured	0.458	Measured	790.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	8	1	88		442.7	Measured	0.406	Calculated	114.3	Measured	0.105	Calculated	321.5	Measured	0.295	Measured	1089.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	9	1	110		385.9	Measured	0.282	Calculated	143.7	Measured	0.105	Calculated	301.5	Measured	0.22	Measured	1370.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	10	1	110		315.1	Measured	0.23	Calculated	143.5	Measured	0.105	Calculated	290.1	Measured	0.212	Measured	1368.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	11	1	123		364.3	Measured	0.243	Calculated	157.3	Measured	0.105	Calculated	277.5	Measured	0.185	Measured	1499.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	12	1	172		478.4	Measured	0.238	Calculated	210.8	Measured	0.105	Calculated	309.6	Measured	0.154	Measured	2010.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	13	1	219		621	Measured	0.257	Calculated	253.3	Measured	0.105	Calculated	379.2	Measured	0.157	Measured	2415.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	14	1	212		740.8	Measured	0.318	Calculated	244.6	Measured	0.105	Calculated	368.5	Measured	0.158	Measured	2332.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	15	1	214		630.9	Measured	0.271	Calculated	244.6	Measured	0.105	Calculated	356.8	Measured	0.153	Measured	2332.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	16	1	213		586.8	Measured	0.253	Calculated	243.6	Measured	0.105	Calculated	355.4	Measured	0.153	Measured	2322.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	17	1	213		571.2	Measured	0.246	Calculated	243.6	Measured	0.105	Calculated	355.4	Measured	0.153	Measured	2323	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	18	1	214		620.6	Measured	0.267	Calculated	244.1	Measured	0.105	Calculated	358.5	Measured	0.154	Measured	2327.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	19	1	214		638.2	Measured	0.274	Calculated	244	Measured	0.105	Calculated	355.9	Measured	0.153	Measured	2326	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	20	1	213		622.2	Measured	0.267	Calculated	244	Measured	0.105	Calculated	356	Measured	0.153	Measured	2326.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	21	1	214		598.3	Measured	0.258	Calculated	243.3	Measured	0.105	Calculated	352.6	Measured	0.152	Measured	2319.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	22	1	214		628.6	Measured	0.272	Calculated	242.5	Measured	0.105	Calculated	353.8	Measured	0.153	Measured	2312.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/27/2025	23	1	214		617.3	Measured	0.268	Calculated	241.4	Measured	0.105	Calculated	347.5	Measured	0.151	Measured	2301.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	0	1	214		626.5	Measured	0.274	Calculated	240.2	Measured	0.105	Calculated	341.2	Measured	0.149	Measured	2289.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	1	1	214		618	Measured	0.269	Calculated	241.4	Measured	0.105	Calculated	336	Measured	0.146	Measured	2301.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	2	1	214		625.1	Measured	0.275	Calculated	238.7	Measured	0.105	Calculated	332.3	Measured	0.146	Measured	2276	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	3	1	213		613.6	Measured	0.268	Calculated	239.7	Measured	0.105	Calculated	331.4	Measured	0.145	Measured	2285.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	4	1	214		596.6	Measured	0.265	Calculated	236.3	Measured	0.105	Calculated	324.5	Measured	0.144	Measured	2253.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	5	1	213		614.6	Measured	0.271	Calculated	238.3	Measured	0.105	Calculated	329.4	Measured	0.145	Measured	2271.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	6	1	214		629.4	Measured	0.276	Calculated	239	Measured	0.105	Calculated	332.7	Measured	0.146	Measured	2278.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	7	1	214		618.6	Measured	0.269	Calculated	241.4	Measured	0.105	Calculated	336.1	Measured	0.146	Measured	2302	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	8	1	213		604.8	Measured	0.264	Calculated	240.2	Measured	0.105	Calculated	336.7	Measured	0.147	Measured	2290.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	9	1	214		602.7	Measured	0.265	Calculated	238.1	Measured	0.105	Calculated	333.7	Measured	0.147	Measured	2270.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	10	1	214		614.2	Measured	0.268	Calculated	240	Measured	0.105	Calculated	336.4	Measured	0.147	Measured	2288.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	11	1	214		607.4	Measured	0.266	Calculated	239.6	Measured	0.105	Calculated	333.6	Measured	0.146	Measured	2284.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	12	1	213		621.1	Measured	0.271	Calculated	240.6	Measured	0.105	Calculated	337.2	Measured	0.147	Measured	2294.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	13	1	213		614.5	Measured	0.269	Calculated	239.9	Measured	0.105	Calculated	340.8	Measured	0.149	Measured	2287.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	14	1	214		614.3	Measured	0.268	Calculated	240.5	Measured	0.105	Calculated	337	Measured	0.147	Measured	2292.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	15	1	214		629.4	Measured	0.275	Calculated	239.7	Measured	0.105	Calculated	336	Measured	0.147	Measured	2285.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	16	1	214		615.4	Measured	0.269	Calculated	239.5	Measured	0.105	Calculated	333.4	Measured	0.146	Measured	2283.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	17	1	214		602.8	Measured	0.264	Calculated	239.2	Measured	0.105	Calculated	333	Measured	0.146	Measured	2280.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	18	1	214		615	Measured	0.27	Calculated	238.9	Measured	0.105	Calculated	330.3	Measured	0.145	Measured	2278	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	19	1	214		624.4	Measured	0.275	Calculated	238.2	Measured	0.105	Calculated	329.3	Measured	0.145	Measured	2271.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	20	1	213		611	Measured	0.268	Calculated	238.7	Measured	0.105	Calculated	330.1	Measured	0.145	Measured	2276.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	21	1	214		609.4	Measured	0.267	Calculated	239.7	Measured	0.105	Calculated	329.1	Measured	0.144	Measured	2285.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	22	1	214		618	Measured	0.272	Calculated	238.7	Measured	0.105	Calculated	327.7	Measured	0.144	Measured	2275.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/28/2025	23	1	214		711.7	Measured	0.314	Calculated	237.6	Measured	0.105	Calculated	326.2	Measured	0.144	Measured	2265.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	0	1	214		665.3	Measured	0.294	Calculated	237.2	Measured	0.105	Calculated	323.4	Measured	0.143	Measured	2261.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	1	1	215		625.7	Measured	0.276	Calculated	237.4	Measured	0.105	Calculated	319.2	Measured	0.141	Measured	2263.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	2	1	214		602.1	Measured	0.269	Calculated	234.8	Measured	0.105	Calculated	313.4	Measured	0.14	Measured	2238.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	3	1	213		596.9	Measured	0.267	Calculated	234.3	Measured	0.105	Calculated	312.8	Measured	0.14	Measured	2234.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	4	1	213		600.9	Measured	0.273	Calculated	231.2	Measured	0.105	Calculated	304.2	Measured	0.138	Measured	2204.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	5	1	214		597.3	Measured	0.268	Calculated	233.5	Measured	0.105	Calculated	305	Measured	0.137	Measured	2226.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	6	1	213		598.1	Measured	0.269	Calculated	233.6	Measured	0.105	Calculated	307.3	Measured	0.138	Measured	2227.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	7	1	214		602	Measured	0.271	Calculated	233.4	Measured	0.105	Calculated	311.5	Measured	0.14	Measured	2225.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	8	1	214		608.3	Measured	0.27	Calculated	236	Measured	0.105	Calculated	312.8	Measured	0.139	Measured	2250.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	9	1	214		609.4	Measured	0.272	Calculated	234.7	Measured	0.105	Calculated	313.3	Measured	0.14	Measured	2237.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	10	1	236		712.9	Measured	0.288	Calculated	259.5	Measured	0.105	Calculated	363.7	Measured	0.147	Measured	2474.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	11	1	254		711.1	Measured	0.269	Calculated	277.6	Measured	0.105	Calculated	439.4	Measured	0.166	Measured	2646.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	12	1	254		699.2	Measured	0.264	Calculated	277.9	Measured	0.105	Calculated	442.5	Measured	0.167	Measured	2649.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	13	1	255		710.5	Measured	0.266	Calculated	280.2	Measured	0.105	Calculated	448.8	Measured	0.168	Measured	2671.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	14	1	254		712.9	Measured	0.266	Calculated	281.1	Measured	0.105	Calculated	444.9	Measured	0.166	Measured	2680.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	15	1	255		721.3	Measured	0.268	Calculated	282	Measured	0.105	Calculated	438.3	Measured	0.163	Measured	2688.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	16	1	255		730.2	Measured	0.274	Calculated	279.1	Measured	0.105	Calculated	436.5	Measured	0.164	Measured	2661.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	17	1	255		727.7	Measured	0.273	Calculated	279.2	Measured	0.105	Calculated	436.6	Measured	0.164	Measured	2662.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	18	1	255		718.3	Measured	0.27	Calculated	278.7	Measured	0.105	Calculated	435.8	Measured	0.164	Measured	2657.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	19	1	255		717.2	Measured	0.269	Calculated	279.1	Measured	0.105	Calculated	436.5	Measured	0.164	Measured	2661.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	20	1	254		705.8	Measured	0.267	Calculated	277.3	Measured	0.105	Calculated	431	Measured	0.163	Measured	2644	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	21	1	254		704.7	Measured	0.266	Calculated	277.4	Measured	0.105	Calculated	433.8	Measured	0.164	Measured	2645.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	22	1	255		714.4	Measured	0.267	Calculated	280.3	Measured	0.105	Calculated	438.4	Measured	0.164	Measured	2673	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/29/2025	23	1	255		727.1	Measured	0.273	Calculated	279	Measured	0.105	Calculated	428.2	Measured	0.161	Measured	2659.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	0	1	254		719.2	Measured	0.273	Calculated	276.2	Measured	0.105	Calculated	424	Measured	0.161	Measured	2633.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	1	1	255		715.7	Measured	0.272	Calculated	275.6	Measured	0.105	Calculated	425.8	Measured	0.162	Measured	2628.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	2	1	255		716.6	Measured	0.273	Calculated	275.5	Measured	0.105	Calculated	420.2	Measured	0.16	Measured	2626.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	3	1	254		712.3	Measured	0.27	Calculated	276.9	Measured	0.105	Calculated	425	Measured	0.161	Measured	2640	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	4	1	255		687.9	Measured	0.263	Calculated	274	Measured	0.105	Calculated	420.6	Measured	0.161	Measured	2612.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	5	1	255		684.6	Measured	0.26	Calculated	275.8	Measured	0.105	Calculated	423.3	Measured	0.161	Measured	2629.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	6	1	255		693.8	Measured	0.265	Calculated	274.9	Measured	0.105	Calculated	422	Measured	0.161	Measured	2621.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	7	1	255		701.2	Measured	0.268	Calculated	274.9	Measured	0.105	Calculated	422	Measured	0.161	Measured	2621.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	8	1	255		709.8	Measured	0.27	Calculated	275.9	Measured	0.105	Calculated	423.5	Measured	0.161	Measured	2630.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	9	1	255		715.7	Measured	0.271	Calculated	276.7	Measured	0.105	Calculated	430	Measured	0.163	Measured	2637.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	10	1	255		725.6	Measured	0.272	Calculated	279.4	Measured	0.105	Calculated	431.6	Measured	0.162	Measured	2664.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	11	1	255		722.2	Measured	0.27	Calculated	280.7	Measured	0.105	Calculated	436.3	Measured	0.163	Measured	2676.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	12	1	255		729.7	Measured	0.275	Calculated	278.1	Measured	0.105	Calculated	437.6	Measured	0.165	Measured	2652	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	13	1	255		714.9	Measured	0.27	Calculated	277.9	Measured	0.105	Calculated	431.9	Measured	0.163	Measured	2649.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	14	1	254		712.4	Measured	0.271	Calculated	276.2	Measured	0.105	Calculated	429.2	Measured	0.163	Measured	2633.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	15	1	255		710.7	Measured	0.271	Calculated	275	Measured	0.105	Calculated	427.4	Measured	0.163	Measured	2621.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	16	1	255		715.1	Measured	0.272	Calculated	276.2	Measured	0.105	Calculated	418.7	Measured	0.159	Measured	2633.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	17	1	255		721.3	Measured	0.276	Calculated	273.9	Measured	0.105	Calculated	412.6	Measured	0.158	Measured	2611.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	18	1	255		698.9	Measured	0.268	Calculated	273.5	Measured	0.105	Calculated	409.5	Measured	0.157	Measured	2608.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	19	1	254		699.7	Measured	0.267	Calculated	274.6	Measured	0.105	Calculated	405.8	Measured	0.155	Measured	2618.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	20	1	254		695.4	Measured	0.267	Calculated	273.4	Measured	0.105	Calculated	414.5	Measured	0.159	Measured	2606.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	21	1	255		696	Measured	0.266	Calculated	274.4	Measured	0.105	Calculated	423.9	Measured	0.162	Measured	2616.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	22	1	255		700.1	Measured	0.266	Calculated	276.5	Measured	0.105	Calculated	421.8	Measured	0.16	Measured	2636.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/30/2025	23	1	255		706.7	Measured	0.27	Calculated	274.4	Measured	0.105	Calculated	421.3	Measured	0.161	Measured	2616.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	0	1	255		706.8	Measured	0.271	Calculated	273.7	Measured	0.105	Calculated	417.6	Measured	0.16	Measured	2610	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	1	1	255		702.9	Measured	0.27	Calculated	273	Measured	0.105	Calculated	419	Measured	0.161	Measured	2602.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	2	1	255		704.8	Measured	0.271	Calculated	272.9	Measured	0.105	Calculated	419	Measured	0.161	Measured	2602.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	3	1	255		690.4	Measured	0.266	Calculated	272.2	Measured	0.105	Calculated	417.9	Measured	0.161	Measured	2595.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	4	1	255		681	Measured	0.264	Calculated	270.4	Measured	0.105	Calculated	415.1	Measured	0.161	Measured	2578.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	5	1	255		704.1	Measured	0.272	Calculated	271.2	Measured	0.105	Calculated	413.6	Measured	0.16	Measured	2585.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	6	1	255		696	Measured	0.267	Calculated	273.3	Measured	0.105	Calculated	411.8	Measured	0.158	Measured	2606.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	7	1	255		702.6	Measured	0.269	Calculated	273.9	Measured	0.105	Calculated	412.6	Measured	0.158	Measured	2611.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	8	1	255		696.7	Measured	0.269	Calculated	271.6	Measured	0.105	Calculated	411.7	Measured	0.159	Measured	2589.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	9	1	254		697.4	Measured	0.27	Calculated	271.3	Measured	0.105	Calculated	408.8	Measured	0.158	Measured	2587.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	10	1	255		699.2	Measured	0.27	Calculated	271.3	Measured	0.105	Calculated	403.5	Measured	0.156	Measured	2586.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	11	1	254		706.5	Measured	0.274	Calculated	270.8	Measured	0.105	Calculated	405.4	Measured	0.157	Measured	2581.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	12	1	255		704.7	Measured	0.273	Calculated	270.9	Measured	0.105	Calculated	402.9	Measured	0.156	Measured	2582.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	13	1	255		703.7	Measured	0.27	Calculated	273	Measured	0.105	Calculated	403.4	Measured	0.155	Measured	2602.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	14	1	255		706.1	Measured	0.273	Calculated	271.7	Measured	0.105	Calculated	409.3	Measured	0.158	Measured	2590.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	15	1	255		704.8	Measured	0.272	Calculated	271.7	Measured	0.105	Calculated	404.1	Measured	0.156	Measured	2590.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	16	1	255		721.7	Measured	0.279	Calculated	271.6	Measured	0.105	Calculated	401.4	Measured	0.155	Measured	2589.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	17	1	255		707.5	Measured	0.273	Calculated	271.7	Measured	0.105	Calculated	401.5	Measured	0.155	Measured	2590.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	18	1	255		689.7	Measured	0.266	Calculated	271.4	Measured	0.105	Calculated	398.6	Measured	0.154	Measured	2588	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	19	1	255		704	Measured	0.273	Calculated	270.3	Measured	0.105	Calculated	394.4	Measured	0.153	Measured	2577.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	20	1	255		703.1	Measured	0.272	Calculated	271	Measured	0.105	Calculated	392.7	Measured	0.152	Measured	2583.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	21	1	254		696.6	Measured	0.269	Calculated	271.8	Measured	0.105	Calculated	404.2	Measured	0.156	Measured	2591.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	22	1	255		771	Measured	0.297	Calculated	272.6	Measured	0.105	Calculated	405.5	Measured	0.156	Measured	2599.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		7/31/2025	23	1	255		800.8	Measured	0.309	Calculated	271.8	Measured	0.105	Calculated	409.5	Measured	0.158	Measured	2591.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	0	1	254		722.1	Measured	0.276	Calculated	274.8	Measured	0.105	Calculated	408.7	Measured	0.156	Measured	2619.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	1	1	255		693.1	Measured	0.265	Calculated	274.2	Measured	0.105	Calculated	402.6	Measured	0.154	Measured	2614	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	2	1	255		711.6	Measured	0.272	Calculated	274.5	Measured	0.105	Calculated	400.4	Measured	0.153	Measured	2617.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	3	1	254		694.1	Measured	0.266	Calculated	273.8	Measured	0.105	Calculated	402	Measured	0.154	Measured	2610.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	4	1	254		659.4	Measured	0.256	Calculated	270.4	Measured	0.105	Calculated	394.4	Measured	0.153	Measured	2577.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	5	1	255		673.4	Measured	0.258	Calculated	273.6	Measured	0.105	Calculated	391.3	Measured	0.15	Measured	2608.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	6	1	255		694.4	Measured	0.264	Calculated	275.6	Measured	0.105	Calculated	394.2	Measured	0.15	Measured	2628.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		8/1/2025	7	1	255		701.9	Measured	0.267	Calculated	275.5	Measured	0.105	Calculated	396.7	Measured	0.151	Measured	2626.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	8	1	254		696.8	Measured	0.269	Calculated	271.6	Measured	0.105	Calculated	398.8	Measured	0.154	Measured	2589.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	9	1	254		701.3	Measured	0.272	Calculated	270.1	Measured	0.105	Calculated	404.2	Measured	0.157	Measured	2574.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	10	1	255		702.1	Measured	0.272	Calculated	270.4	Measured	0.105	Calculated	409.9	Measured	0.159	Measured	2577.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	11	1	255		711.3	Measured	0.275	Calculated	270.9	Measured	0.105	Calculated	400.3	Measured	0.155	Measured	2582.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	12	1	255		682	Measured	0.263	Calculated	271.9	Measured	0.105	Calculated	391.5	Measured	0.151	Measured	2592.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	13	1	255		688.6	Measured	0.265	Calculated	272.2	Measured	0.105	Calculated	402.3	Measured	0.155	Measured	2595.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	14	1	255		699.3	Measured	0.27	Calculated	271.6	Measured	0.105	Calculated	406.5	Measured	0.157	Measured	2589.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	15	1	255		698.8	Measured	0.271	Calculated	270.4	Measured	0.105	Calculated	404.7	Measured	0.157	Measured	2577.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	16	1	255		717	Measured	0.278	Calculated	270.1	Measured	0.105	Calculated	401.7	Measured	0.156	Measured	2575	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	17	1	255		702.6	Measured	0.274	Calculated	269.3	Measured	0.105	Calculated	400.6	Measured	0.156	Measured	2567.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	18	1	255		698.3	Measured	0.272	Calculated	268.9	Measured	0.105	Calculated	394.9	Measured	0.154	Measured	2564	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	19	1	255		682.4	Measured	0.267	Calculated	268.3	Measured	0.105	Calculated	394	Measured	0.154	Measured	2558.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	20	1	254		683.7	Measured	0.269	Calculated	266.8	Measured	0.105	Calculated	394.2	Measured	0.155	Measured	2543.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	21	1	255		680.2	Measured	0.267	Calculated	267.7	Measured	0.105	Calculated	403.3	Measured	0.158	Measured	2552.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	22	1	255		680.1	Measured	0.265	Calculated	268.9	Measured	0.105	Calculated	402.5	Measured	0.157	Measured	2563.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/1/2025	23	1	255		688.9	Measured	0.268	Calculated	270	Measured	0.105	Calculated	399	Measured	0.155	Measured	2574.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	0	1	255		691.2	Measured	0.271	Calculated	267.9	Measured	0.105	Calculated	395.9	Measured	0.155	Measured	2554.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	1	1	255		690.6	Measured	0.27	Calculated	268.4	Measured	0.105	Calculated	394.2	Measured	0.154	Measured	2559.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	2	1	255		686.4	Measured	0.269	Calculated	268.1	Measured	0.105	Calculated	393.6	Measured	0.154	Measured	2556.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	3	1	254		681.1	Measured	0.266	Calculated	269	Measured	0.105	Calculated	395	Measured	0.154	Measured	2564.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	4	1	255		660.1	Measured	0.261	Calculated	265.2	Measured	0.105	Calculated	397	Measured	0.157	Measured	2528.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	5	1	255		688.6	Measured	0.27	Calculated	267.9	Measured	0.105	Calculated	403.6	Measured	0.158	Measured	2554.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	6	1	255		690	Measured	0.271	Calculated	267.2	Measured	0.105	Calculated	400	Measured	0.157	Measured	2547.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	7	1	255		688.6	Measured	0.269	Calculated	268.4	Measured	0.105	Calculated	396.7	Measured	0.155	Measured	2559.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	8	1	255		719	Measured	0.283	Calculated	266.2	Measured	0.105	Calculated	393.4	Measured	0.155	Measured	2538	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	9	1	254		696.5	Measured	0.274	Calculated	267	Measured	0.105	Calculated	392	Measured	0.154	Measured	2545.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	10	1	255		689.2	Measured	0.269	Calculated	268.9	Measured	0.105	Calculated	387.1	Measured	0.151	Measured	2563.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	11	1	255		691.7	Measured	0.27	Calculated	268.6	Measured	0.105	Calculated	386.7	Measured	0.151	Measured	2560.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	12	1	254		685.9	Measured	0.268	Calculated	268.4	Measured	0.105	Calculated	394	Measured	0.154	Measured	2558.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	13	1	255		690.8	Measured	0.269	Calculated	269	Measured	0.105	Calculated	397.5	Measured	0.155	Measured	2564.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	14	1	255		689.9	Measured	0.271	Calculated	267.2	Measured	0.105	Calculated	397.4	Measured	0.156	Measured	2547.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	15	1	255		695	Measured	0.273	Calculated	267.2	Measured	0.105	Calculated	392.3	Measured	0.154	Measured	2547.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	16	1	255		705.7	Measured	0.277	Calculated	267.3	Measured	0.105	Calculated	384.8	Measured	0.151	Measured	2548.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	17	1	254		688.7	Measured	0.273	Calculated	264.7	Measured	0.105	Calculated	388.7	Measured	0.154	Measured	2524	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	18	1	255		682.5	Measured	0.27	Calculated	265	Measured	0.105	Calculated	394.2	Measured	0.156	Measured	2527.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	19	1	255		684.6	Measured	0.269	Calculated	266.8	Measured	0.105	Calculated	396.9	Measured	0.156	Measured	2544	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	20	1	255		681.9	Measured	0.268	Calculated	267.3	Measured	0.105	Calculated	397.6	Measured	0.156	Measured	2548.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	21	1	254		678.5	Measured	0.266	Calculated	267.2	Measured	0.105	Calculated	400	Measured	0.157	Measured	2547.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	22	1	254		673.1	Measured	0.265	Calculated	266.2	Measured	0.105	Calculated	398.5	Measured	0.157	Measured	2537.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/2/2025	23	1	254		670.1	Measured	0.265	Calculated	265.5	Measured	0.105	Calculated	392.4	Measured	0.155	Measured	2531.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	0	1	255		682	Measured	0.269	Calculated	265.9	Measured	0.105	Calculated	387.8	Measured	0.153	Measured	2534.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	1	1	256		695.3	Measured	0.274	Calculated	266.2	Measured	0.105	Calculated	390.9	Measured	0.154	Measured	2538.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	2	1	255		682.7	Measured	0.27	Calculated	265.2	Measured	0.105	Calculated	391.9	Measured	0.155	Measured	2528.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	3	1	255		683	Measured	0.27	Calculated	265.2	Measured	0.105	Calculated	394.5	Measured	0.156	Measured	2528.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	4	1	255		699.2	Measured	0.277	Calculated	264.6	Measured	0.105	Calculated	398.6	Measured	0.158	Measured	2522.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	5	1	255		704.7	Measured	0.278	Calculated	266.2	Measured	0.105	Calculated	395.9	Measured	0.156	Measured	2537.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	6	1	254		696.8	Measured	0.277	Calculated	264.1	Measured	0.105	Calculated	392.9	Measured	0.156	Measured	2518.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	7	1	255		688.4	Measured	0.272	Calculated	265.8	Measured	0.105	Calculated	387.8	Measured	0.153	Measured	2534.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	8	1	255		695.5	Measured	0.275	Calculated	265.4	Measured	0.105	Calculated	384.6	Measured	0.152	Measured	2530.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	9	1	254		694.5	Measured	0.274	Calculated	266	Measured	0.105	Calculated	380.4	Measured	0.15	Measured	2535.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	10	1	255		687.1	Measured	0.271	Calculated	266.1	Measured	0.105	Calculated	390.8	Measured	0.154	Measured	2537.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	11	1	255		673.2	Measured	0.266	Calculated	265.4	Measured	0.105	Calculated	389.8	Measured	0.154	Measured	2531	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	12	1	255		686.7	Measured	0.27	Calculated	266.9	Measured	0.105	Calculated	397	Measured	0.156	Measured	2545.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	13	1	255		699.5	Measured	0.275	Calculated	266.6	Measured	0.105	Calculated	394.1	Measured	0.155	Measured	2542.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	14	1	255		694.9	Measured	0.272	Calculated	267.6	Measured	0.105	Calculated	395.4	Measured	0.155	Measured	2551.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	15	1	254		684.8	Measured	0.27	Calculated	266.2	Measured	0.105	Calculated	403.6	Measured	0.159	Measured	2538.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	16	1	254		674.8	Measured	0.264	Calculated	268.1	Measured	0.105	Calculated	403.9	Measured	0.158	Measured	2556.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	17	1	255		674.8	Measured	0.264	Calculated	268.4	Measured	0.105	Calculated	404.3	Measured	0.158	Measured	2558.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	18	1	255		681.9	Measured	0.269	Calculated	266.3	Measured	0.105	Calculated	398.7	Measured	0.157	Measured	2539.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	19	1	255		684.6	Measured	0.269	Calculated	266.9	Measured	0.105	Calculated	399.5	Measured	0.157	Measured	2544.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	20	1	254		680.6	Measured	0.269	Calculated	265.8	Measured	0.105	Calculated	397.9	Measured	0.157	Measured	2534.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	21	1	255		681.7	Measured	0.268	Calculated	266.5	Measured	0.105	Calculated	398.9	Measured	0.157	Measured	2541	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	22	1	255		697.4	Measured	0.276	Calculated	264.8	Measured	0.105	Calculated	396.5	Measured	0.157	Measured	2525.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/3/2025	23	1	255		684.5	Measured	0.27	Calculated	265.8	Measured	0.105	Calculated	400.5	Measured	0.158	Measured	2534.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	0	1	223		604.5	Measured	0.272	Calculated	233.5	Measured	0.105	Calculated	347.3	Measured	0.156	Measured	2226.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	1	1	213		597.6	Measured	0.28	Calculated	224	Measured	0.105	Calculated	322.6	Measured	0.151	Measured	2136.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	2	1	208		555.3	Measured	0.264	Calculated	220.4	Measured	0.105	Calculated	315.2	Measured	0.15	Measured	2101.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	3	1	210		562.1	Measured	0.267	Calculated	220.9	Measured	0.105	Calculated	313.9	Measured	0.149	Measured	2106.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	4	1	210		534	Measured	0.257	Calculated	217.9	Measured	0.105	Calculated	315.8	Measured	0.152	Measured	2077.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	5	1	209		551.2	Measured	0.261	Calculated	221.6	Measured	0.105	Calculated	321.1	Measured	0.152	Measured	2112.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	6	1	207		573.4	Measured	0.274	Calculated	219.6	Measured	0.105	Calculated	318.3	Measured	0.152	Measured	2093.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	7	1	209		572.6	Measured	0.271	Calculated	221.4	Measured	0.105	Calculated	320.9	Measured	0.152	Measured	2110.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	8	1	208		565.8	Measured	0.268	Calculated	221.1	Measured	0.105	Calculated	314.1	Measured	0.149	Measured	2107.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	9	1	209		564.7	Measured	0.267	Calculated	221.5	Measured	0.105	Calculated	321	Measured	0.152	Measured	2111.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	10	1	213		583.2	Measured	0.27	Calculated	226.7	Measured	0.105	Calculated	328.6	Measured	0.152	Measured	2161.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	11	1	222		600.4	Measured	0.267	Calculated	235.9	Measured	0.105	Calculated	357.6	Measured	0.159	Measured	2249.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	12	1	223		610.1	Measured	0.27	Calculated	236.8	Measured	0.105	Calculated	361.2	Measured	0.16	Measured	2257.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	13	1	223		618	Measured	0.275	Calculated	235.3	Measured	0.105	Calculated	347.8	Measured	0.155	Measured	2243.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	14	1	243		684.1	Measured	0.278	Calculated	258.1	Measured	0.105	Calculated	366.7	Measured	0.149	Measured	2461.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	15	1	255		678.9	Measured	0.263	Calculated	270.3	Measured	0.105	Calculated	402	Measured	0.156	Measured	2576.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	16	1	255		693.4	Measured	0.27	Calculated	269.8	Measured	0.105	Calculated	401.3	Measured	0.156	Measured	2572.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	17	1	255		702.3	Measured	0.274	Calculated	268.9	Measured	0.105	Calculated	405.1	Measured	0.158	Measured	2564.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	18	1	255		692.7	Measured	0.269	Calculated	270	Measured	0.105	Calculated	409.4	Measured	0.159	Measured	2574.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	19	1	256		689.8	Measured	0.267	Calculated	270.9	Measured	0.105	Calculated	408.1	Measured	0.158	Measured	2583	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	20	1	255		694.9	Measured	0.27	Calculated	270.1	Measured	0.105	Calculated	417.2	Measured	0.162	Measured	2575	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	21	1	255		688.7	Measured	0.269	Calculated	268.7	Measured	0.105	Calculated	417.6	Measured	0.163	Measured	2562.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	22	1	255		692	Measured	0.269	Calculated	270	Measured	0.105	Calculated	414.4	Measured	0.161	Measured	2573.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/4/2025	23	1	255		700.5	Measured	0.273	Calculated	269.2	Measured	0.105	Calculated	408.2	Measured	0.159	Measured	2567.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	0	1	255		711.4	Measured	0.277	Calculated	269.5	Measured	0.105	Calculated	408.5	Measured	0.159	Measured	2569.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	1	1	255		692.4	Measured	0.27	Calculated	268.9	Measured	0.105	Calculated	405.1	Measured	0.158	Measured	2563.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	2	1	255		686.5	Measured	0.27	Calculated	267.1	Measured	0.105	Calculated	404.9	Measured	0.159	Measured	2546.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	3	1	256		684.6	Measured	0.266	Calculated	270.1	Measured	0.105	Calculated	412.1	Measured	0.16	Measured	2575.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	4	1	256		662.1	Measured	0.261	Calculated	266.4	Measured	0.105	Calculated	401.4	Measured	0.158	Measured	2540.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	5	1	255		680.5	Measured	0.265	Calculated	269.5	Measured	0.105	Calculated	408.6	Measured	0.159	Measured	2569.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	6	1	255		685.6	Measured	0.267	Calculated	269.7	Measured	0.105	Calculated	411.5	Measured	0.16	Measured	2571.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	7	1	256		692.1	Measured	0.268	Calculated	271	Measured	0.105	Calculated	413.5	Measured	0.16	Measured	2584.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	8	1	255		717.2	Measured	0.278	Calculated	270.4	Measured	0.105	Calculated	412.5	Measured	0.16	Measured	2578.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	9	1	255		701.5	Measured	0.272	Calculated	270.6	Measured	0.105	Calculated	402.5	Measured	0.156	Measured	2580.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	10	1	256		705.8	Measured	0.27	Calculated	273.8	Measured	0.105	Calculated	402	Measured	0.154	Measured	2610.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	11	1	248		689.2	Measured	0.272	Calculated	266.1	Measured	0.105	Calculated	398.4	Measured	0.157	Measured	2537.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	12	1	234		646.6	Measured	0.273	Calculated	248.1	Measured	0.105	Calculated	383.2	Measured	0.162	Measured	2365.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	13	1	237		678.6	Measured	0.282	Calculated	252.4	Measured	0.105	Calculated	382.6	Measured	0.159	Measured	2406.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	14	1	254		711.3	Measured	0.273	Calculated	273.1	Measured	0.105	Calculated	416.7	Measured	0.16	Measured	2604.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	15	1	254		692.7	Measured	0.265	Calculated	274.6	Measured	0.105	Calculated	416.3	Measured	0.159	Measured	2618.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	16	1	254		704.5	Measured	0.272	Calculated	272	Measured	0.105	Calculated	412.4	Measured	0.159	Measured	2593.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	17	1	253		705.4	Measured	0.273	Calculated	270.6	Measured	0.105	Calculated	405.1	Measured	0.157	Measured	2580.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	18	1	253		685.5	Measured	0.268	Calculated	268.8	Measured	0.105	Calculated	404.9	Measured	0.158	Measured	2562.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	19	1	254		689	Measured	0.268	Calculated	269.8	Measured	0.105	Calculated	409.1	Measured	0.159	Measured	2572.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	20	1	254		683.7	Measured	0.265	Calculated	270.8	Measured	0.105	Calculated	415.7	Measured	0.161	Measured	2581.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	21	1	254		683.4	Measured	0.266	Calculated	269.7	Measured	0.105	Calculated	411.4	Measured	0.16	Measured	2571.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	22	1	253		686.5	Measured	0.266	Calculated	270.4	Measured	0.105	Calculated	412.5	Measured	0.16	Measured	2578	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/5/2025	23	1	254		697.9	Measured	0.271	Calculated	269.7	Measured	0.105	Calculated	403.8	Measured	0.157	Measured	2571.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	0	1	254		705.7	Measured	0.275	Calculated	269.2	Measured	0.105	Calculated	400.5	Measured	0.156	Measured	2567	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	1	1	254		687	Measured	0.266	Calculated	270.5	Measured	0.105	Calculated	399.7	Measured	0.155	Measured	2579	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	2	1	254		688	Measured	0.269	Calculated	268.7	Measured	0.105	Calculated	397	Measured	0.155	Measured	2561.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	3	1	254		695.8	Measured	0.272	Calculated	268.4	Measured	0.105	Calculated	396.7	Measured	0.155	Measured	2559.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	4	1	254		671.7	Measured	0.265	Calculated	266.1	Measured	0.105	Calculated	400.9	Measured	0.158	Measured	2537.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	5	1	255		692.3	Measured	0.271	Calculated	268.1	Measured	0.105	Calculated	398.7	Measured	0.156	Measured	2555.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	6	1	216		623.1	Measured	0.286	Calculated	228.2	Measured	0.105	Calculated	306.7	Measured	0.141	Measured	2175.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	7	1	212		590.3	Measured	0.274	Calculated	225.7	Measured	0.105	Calculated	288.3	Measured	0.134	Measured	2151.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	8	1	213		572.3	Measured	0.264	Calculated	227.6	Measured	0.105	Calculated	295.2	Measured	0.136	Measured	2170.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	9	1	213		537.9	Measured	0.245	Calculated	229.9	Measured	0.105	Calculated	295.9	Measured	0.135	Measured	2192.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	10	1	226		547.6	Measured	0.236	Calculated	243.8	Measured	0.105	Calculated	316.1	Measured	0.136	Measured	2324.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	11	1	253		600.1	Measured	0.231	Calculated	272.5	Measured	0.105	Calculated	397.5	Measured	0.153	Measured	2598.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	12	1	253		583	Measured	0.225	Calculated	271.9	Measured	0.105	Calculated	396.6	Measured	0.153	Measured	2592.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	13	1	253		580.3	Measured	0.227	Calculated	268.7	Measured	0.105	Calculated	394.5	Measured	0.154	Measured	2561.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	14	1	254		576.1	Measured	0.226	Calculated	266.9	Measured	0.105	Calculated	394.4	Measured	0.155	Measured	2544.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	15	1	254		583.6	Measured	0.228	Calculated	268.2	Measured	0.105	Calculated	401.6	Measured	0.157	Measured	2557.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	16	1	254		600.5	Measured	0.235	Calculated	267.6	Measured	0.105	Calculated	400.6	Measured	0.157	Measured	2551.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	17	1	253		585.3	Measured	0.231	Calculated	265.9	Measured	0.105	Calculated	405.6	Measured	0.16	Measured	2535.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	18	1	253		580.3	Measured	0.229	Calculated	265.4	Measured	0.105	Calculated	404.9	Measured	0.16	Measured	2530.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	19	1	254		590.6	Measured	0.234	Calculated	265	Measured	0.105	Calculated	399.2	Measured	0.158	Measured	2526.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	20	1	253		593.7	Measured	0.234	Calculated	265.7	Measured	0.105	Calculated	397.8	Measured	0.157	Measured	2533.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	21	1	253		573	Measured	0.228	Calculated	263.8	Measured	0.105	Calculated	402.5	Measured	0.16	Measured	2515.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	22	1	254		652.1	Measured	0.258	Calculated	264.9	Measured	0.105	Calculated	399	Measured	0.158	Measured	2525.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/6/2025	23	1	253		754.6	Measured	0.3	Calculated	264.2	Measured	0.105	Calculated	400.6	Measured	0.159	Measured	2519.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	0	1	254		622.4	Measured	0.246	Calculated	265.2	Measured	0.105	Calculated	397	Measured	0.157	Measured	2528.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	1	1	254		600.6	Measured	0.24	Calculated	262.8	Measured	0.105	Calculated	395.9	Measured	0.158	Measured	2505.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		8/7/2025	2	1	254		592.1	Measured	0.236	Calculated	262.8	Measured	0.105	Calculated	398.4	Measured	0.159	Measured	2505.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	3	1	254		570.1	Measured	0.227	Calculated	263.7	Measured	0.105	Calculated	404.8	Measured	0.161	Measured	2514.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	4	1	254		568.6	Measured	0.23	Calculated	259.1	Measured	0.105	Calculated	397.8	Measured	0.161	Measured	2470.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	5	1	253		563.9	Measured	0.226	Calculated	261.9	Measured	0.105	Calculated	399.5	Measured	0.16	Measured	2497	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	6	1	254		571.8	Measured	0.229	Calculated	261.7	Measured	0.105	Calculated	399.2	Measured	0.16	Measured	2494.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	7	1	254		581.9	Measured	0.232	Calculated	262.9	Measured	0.105	Calculated	401.1	Measured	0.16	Measured	2507.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	8	1	253		570.6	Measured	0.225	Calculated	265.9	Measured	0.105	Calculated	408.2	Measured	0.161	Measured	2535.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	9	1	254		584.7	Measured	0.224	Calculated	273.2	Measured	0.105	Calculated	416.7	Measured	0.16	Measured	2604.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	10	1	254		577.7	Measured	0.226	Calculated	268.4	Measured	0.105	Calculated	409.5	Measured	0.16	Measured	2559.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	11	1	254		568.3	Measured	0.222	Calculated	268.7	Measured	0.105	Calculated	412.5	Measured	0.161	Measured	2562	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	12	1	253		580.6	Measured	0.223	Calculated	272.5	Measured	0.105	Calculated	415.7	Measured	0.16	Measured	2598.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	13	1	254		613	Measured	0.234	Calculated	275.1	Measured	0.105	Calculated	422.2	Measured	0.161	Measured	2622.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	14	1	253		621.9	Measured	0.237	Calculated	275.8	Measured	0.105	Calculated	428.6	Measured	0.163	Measured	2629.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	15	1	254		620.2	Measured	0.235	Calculated	276.5	Measured	0.105	Calculated	424.4	Measured	0.161	Measured	2636.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	16	1	254		619.7	Measured	0.235	Calculated	276.3	Measured	0.105	Calculated	424.1	Measured	0.161	Measured	2634.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	17	1	253		601.1	Measured	0.231	Calculated	273.4	Measured	0.105	Calculated	419.6	Measured	0.161	Measured	2606.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	18	1	254		593.9	Measured	0.228	Calculated	273.1	Measured	0.105	Calculated	419.2	Measured	0.161	Measured	2604	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	19	1	254		594.8	Measured	0.228	Calculated	273.7	Measured	0.105	Calculated	420.1	Measured	0.161	Measured	2609.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	20	1	253		590.6	Measured	0.225	Calculated	274.8	Measured	0.105	Calculated	427.1	Measured	0.163	Measured	2620.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	21	1	254		595.3	Measured	0.227	Calculated	274.5	Measured	0.105	Calculated	424.1	Measured	0.162	Measured	2617.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	22	1	253		590.9	Measured	0.227	Calculated	272.8	Measured	0.105	Calculated	421.4	Measured	0.162	Measured	2601	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/7/2025	23	1	254		605.8	Measured	0.232	Calculated	273.6	Measured	0.105	Calculated	422.6	Measured	0.162	Measured	2608.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	0	1	254		594.9	Measured	0.228	Calculated	274	Measured	0.105	Calculated	420.7	Measured	0.161	Measured	2612.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	1	1	254		608.4	Measured	0.233	Calculated	273.4	Measured	0.105	Calculated	422.3	Measured	0.162	Measured	2606.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	2	1	254		605.7	Measured	0.233	Calculated	272.3	Measured	0.105	Calculated	428.4	Measured	0.165	Measured	2596.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	3	1	254		593.8	Measured	0.227	Calculated	274.4	Measured	0.105	Calculated	423.9	Measured	0.162	Measured	2616.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	4	1	253		590.7	Measured	0.23	Calculated	268.8	Measured	0.105	Calculated	422.9	Measured	0.165	Measured	2562.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	5	1	254		591.9	Measured	0.228	Calculated	272.5	Measured	0.105	Calculated	431.3	Measured	0.166	Measured	2598.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	6	1	254		595.9	Measured	0.23	Calculated	272.2	Measured	0.105	Calculated	428.2	Measured	0.165	Measured	2595.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	7	1	240		568.4	Measured	0.232	Calculated	256.9	Measured	0.105	Calculated	401.8	Measured	0.164	Measured	2449.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	8	1	249		605.3	Measured	0.234	Calculated	270.8	Measured	0.105	Calculated	454.5	Measured	0.176	Measured	2582.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	9	1	251		599.2	Measured	0.23	Calculated	272.6	Measured	0.105	Calculated	460.1	Measured	0.177	Measured	2599.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	10	1	249		574.9	Measured	0.223	Calculated	270.2	Measured	0.105	Calculated	463.8	Measured	0.18	Measured	2576.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	11	1	251		562.6	Measured	0.217	Calculated	271.7	Measured	0.105	Calculated	458.6	Measured	0.177	Measured	2591	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	12	1	251		587.1	Measured	0.225	Calculated	273.2	Measured	0.105	Calculated	463.7	Measured	0.178	Measured	2605.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	13	1	251		598.4	Measured	0.229	Calculated	273.5	Measured	0.105	Calculated	466.8	Measured	0.179	Measured	2607.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	14	1	254		652.5	Measured	0.247	Calculated	277.2	Measured	0.105	Calculated	478.3	Measured	0.181	Measured	2642.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	15	1	256		709.8	Measured	0.267	Calculated	279.1	Measured	0.105	Calculated	481.7	Measured	0.181	Measured	2661.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	16	1	256		690.2	Measured	0.26	Calculated	278.4	Measured	0.105	Calculated	480.4	Measured	0.181	Measured	2654.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	17	1	255		712.3	Measured	0.268	Calculated	278.8	Measured	0.105	Calculated	481.1	Measured	0.181	Measured	2658.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	18	1	257		729.6	Measured	0.274	Calculated	278.9	Measured	0.105	Calculated	478.6	Measured	0.18	Measured	2659.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	19	1	257		775.9	Measured	0.293	Calculated	277.8	Measured	0.105	Calculated	474.1	Measured	0.179	Measured	2648.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	20	1	255		755	Measured	0.287	Calculated	276.2	Measured	0.105	Calculated	460.8	Measured	0.175	Measured	2633.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	21	1	254		714.7	Measured	0.272	Calculated	275.8	Measured	0.105	Calculated	457.5	Measured	0.174	Measured	2629.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	22	1	254		675.3	Measured	0.258	Calculated	274.5	Measured	0.105	Calculated	460.6	Measured	0.176	Measured	2616.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/8/2025	23	1	256		786.9	Measured	0.296	Calculated	278.6	Measured	0.105	Calculated	459.5	Measured	0.173	Measured	2656.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	0	1	257		684.6	Measured	0.257	Calculated	279	Measured	0.105	Calculated	457.6	Measured	0.172	Measured	2660.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	1	1	256		709.2	Measured	0.269	Calculated	276	Measured	0.105	Calculated	452.6	Measured	0.172	Measured	2631.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	2	1	256		733.5	Measured	0.278	Calculated	276.7	Measured	0.105	Calculated	456.5	Measured	0.173	Measured	2638.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	3	1	257		698.6	Measured	0.266	Calculated	275.8	Measured	0.105	Calculated	447	Measured	0.17	Measured	2629.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	4	1	256		697.9	Measured	0.267	Calculated	273.7	Measured	0.105	Calculated	448.9	Measured	0.172	Measured	2610.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	5	1	255		701	Measured	0.268	Calculated	274.6	Measured	0.105	Calculated	455.6	Measured	0.174	Measured	2618.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	6	1	256		705.7	Measured	0.271	Calculated	273.6	Measured	0.105	Calculated	448.7	Measured	0.172	Measured	2608.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	7	1	254		706.9	Measured	0.271	Calculated	273.5	Measured	0.105	Calculated	432.9	Measured	0.166	Measured	2607.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	8	1	254		735.4	Measured	0.281	Calculated	274.9	Measured	0.105	Calculated	427.3	Measured	0.163	Measured	2621.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	9	1	254		697	Measured	0.265	Calculated	275.4	Measured	0.105	Calculated	436	Measured	0.166	Measured	2626.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	10	1	254		702.9	Measured	0.265	Calculated	278.2	Measured	0.105	Calculated	440.3	Measured	0.166	Measured	2652.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	11	1	254		717	Measured	0.27	Calculated	278.5	Measured	0.105	Calculated	448.7	Measured	0.169	Measured	2655.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	12	1	254		719.3	Measured	0.272	Calculated	277.3	Measured	0.105	Calculated	452.1	Measured	0.171	Measured	2643.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	13	1	254		704.4	Measured	0.267	Calculated	276.8	Measured	0.105	Calculated	451.3	Measured	0.171	Measured	2639	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	14	1	254		704.7	Measured	0.266	Calculated	277.7	Measured	0.105	Calculated	450.1	Measured	0.17	Measured	2647.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	15	1	255		711.5	Measured	0.269	Calculated	277.1	Measured	0.105	Calculated	449.2	Measured	0.17	Measured	2642.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	16	1	254		708.7	Measured	0.268	Calculated	277.7	Measured	0.105	Calculated	452.7	Measured	0.171	Measured	2647.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	17	1	254		731.2	Measured	0.276	Calculated	277.4	Measured	0.105	Calculated	452.3	Measured	0.171	Measured	2645.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	18	1	254		737.7	Measured	0.28	Calculated	276.8	Measured	0.105	Calculated	448.7	Measured	0.17	Measured	2639.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	19	1	254		712.9	Measured	0.271	Calculated	276.1	Measured	0.105	Calculated	444.9	Measured	0.169	Measured	2632.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	20	1	254		703.6	Measured	0.268	Calculated	275.1	Measured	0.105	Calculated	443.3	Measured	0.169	Measured	2623.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	21	1	254		701.4	Measured	0.268	Calculated	274.8	Measured	0.105	Calculated	450.6	Measured	0.172	Measured	2620	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	22	1	255		727.4	Measured	0.276	Calculated	276.7	Measured	0.105	Calculated	445.9	Measured	0.169	Measured	2638.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/9/2025	23	1	254		723.7	Measured	0.277	Calculated	274.1	Measured	0.105	Calculated	446.8	Measured	0.171	Measured	2613.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	0	1	254		709.6	Measured	0.271	Calculated	274.6	Measured	0.105	Calculated	445	Measured	0.17	Measured	2617.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	1	1	254		720.2	Measured	0.277	Calculated	273	Measured	0.105	Calculated	445.1	Measured	0.171	Measured	2602.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	2	1	254		699.9	Measured	0.267	Calculated	274.5	Measured	0.105	Calculated	442.3	Measured	0.169	Measured	2617	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	3	1	254		690.5	Measured	0.265	Calculated	273.4	Measured	0.105	Calculated	451	Measured	0.173	Measured	2606.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	4	1	254		678.5	Measured	0.263	Calculated	270.4	Measured	0.105	Calculated	459	Measured	0.178	Measured	2578.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	5	1	254		699.7	Measured	0.27	Calculated	271.5	Measured	0.105	Calculated	455.7	Measured	0.176	Measured	2589.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	6	1	255		710.8	Measured	0.273	Calculated	272.7	Measured	0.105	Calculated	444.6	Measured	0.171	Measured	2600.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	7	1	254		721	Measured	0.276	Calculated	273.5	Measured	0.105	Calculated	461.6	Measured	0.177	Measured	2607.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	8	1	254		708.1	Measured	0.27	Calculated	274.8	Measured	0.105	Calculated	463.8	Measured	0.177	Measured	2620.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	9	1	254		724.8	Measured	0.275	Calculated	276.3	Measured	0.105	Calculated	474.2	Measured	0.18	Measured	2634.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	10	1	255		682.6	Measured	0.257	Calculated	278.4	Measured	0.105	Calculated	464.5	Measured	0.175	Measured	2654.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	11	1	254		680.7	Measured	0.258	Calculated	276.6	Measured	0.105	Calculated	461.6	Measured	0.175	Measured	2637.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	12	1	254		695.7	Measured	0.263	Calculated	277.2	Measured	0.105	Calculated	467.8	Measured	0.177	Measured	2642.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	13	1	254		715.6	Measured	0.27	Calculated	278.2	Measured	0.105	Calculated	472.2	Measured	0.178	Measured	2652.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	14	1	254		720.1	Measured	0.27	Calculated	279.7	Measured	0.105	Calculated	477.4	Measured	0.179	Measured	2667	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	15	1	255		722.8	Measured	0.273	Calculated	278.1	Measured	0.105	Calculated	477.3	Measured	0.18	Measured	2651.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	16	1	254		735	Measured	0.276	Calculated	279.4	Measured	0.105	Calculated	471.5	Measured	0.177	Measured	2663.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	17	1	254		715.3	Measured	0.271	Calculated	277.1	Measured	0.105	Calculated	465	Measured	0.176	Measured	2641.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	18	1	254		707.6	Measured	0.268	Calculated	277.3	Measured	0.105	Calculated	467.9	Measured	0.177	Measured	2643.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	19	1	254		710.7	Measured	0.269	Calculated	277.4	Measured	0.105	Calculated	465.5	Measured	0.176	Measured	2644.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	20	1	254		718.4	Measured	0.272	Calculated	277.2	Measured	0.105	Calculated	475.7	Measured	0.18	Measured	2642.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	21	1	254		710.4	Measured	0.27	Calculated	276.4	Measured	0.105	Calculated	474.5	Measured	0.18	Measured	2635.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	22	1	254		707.9	Measured	0.268	Calculated	276.8	Measured	0.105	Calculated	469.8	Measured	0.178	Measured	2639.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/10/2025	23	1	254		790.5	Measured	0.299	Calculated	277.3	Measured	0.105	Calculated	481.1	Measured	0.182	Measured	2643.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	0	1	254		717.7	Measured	0.272	Calculated	277.2	Measured	0.105	Calculated	475.7	Measured	0.18	Measured	2643	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	1	1	254		701.9	Measured	0.267	Calculated	275.6	Measured	0.105	Calculated	470.3	Measured	0.179	Measured	2627.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	2	1	254		683.1	Measured	0.259	Calculated	276.3	Measured	0.105	Calculated	466.4	Measured	0.177	Measured	2634.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	3	1	255		711.5	Measured	0.272	Calculated	274.5	Measured	0.105	Calculated	466	Measured	0.178	Measured	2617.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	4	1	254		711.8	Measured	0.273	Calculated	273.1	Measured	0.105	Calculated	466.2	Measured	0.179	Measured	2604.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	5	1	254		719.1	Measured	0.274	Calculated	275.6	Measured	0.105	Calculated	473.1	Measured	0.18	Measured	2628.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	6	1	254		705.4	Measured	0.271	Calculated	273.2	Measured	0.105	Calculated	469	Measured	0.18	Measured	2605.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	7	1	254		707.7	Measured	0.271	Calculated	274.4	Measured	0.105	Calculated	468.3	Measured	0.179	Measured	2616.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	8	1	254		716.9	Measured	0.274	Calculated	274.6	Measured	0.105	Calculated	479.1	Measured	0.183	Measured	2617.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	9	1	254		705.5	Measured	0.269	Calculated	274.8	Measured	0.105	Calculated	463.8	Measured	0.177	Measured	2620.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	10	1	254		737.3	Measured	0.282	Calculated	273.8	Measured	0.105	Calculated	469.9	Measured	0.18	Measured	2610.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	11	1	254		745.8	Measured	0.285	Calculated	274.5	Measured	0.105	Calculated	468.5	Measured	0.179	Measured	2617.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	12	1	255		719	Measured	0.273	Calculated	276.7	Measured	0.105	Calculated	474.8	Measured	0.18	Measured	2637.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	13	1	254		683	Measured	0.261	Calculated	274	Measured	0.105	Calculated	472.9	Measured	0.181	Measured	2612.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	14	1	254		703	Measured	0.268	Calculated	274.9	Measured	0.105	Calculated	471.9	Measured	0.18	Measured	2621.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	15	1	255		714.7	Measured	0.271	Calculated	277.1	Measured	0.105	Calculated	475.5	Measured	0.18	Measured	2641.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	16	1	254		742.3	Measured	0.283	Calculated	275.4	Measured	0.105	Calculated	475.3	Measured	0.181	Measured	2626	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	17	1	254		725	Measured	0.277	Calculated	274.8	Measured	0.105	Calculated	466.4	Measured	0.178	Measured	2620.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	18	1	254		707.3	Measured	0.27	Calculated	274.3	Measured	0.105	Calculated	470.7	Measured	0.18	Measured	2614.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	19	1	254		682.3	Measured	0.261	Calculated	273.7	Measured	0.105	Calculated	469.8	Measured	0.18	Measured	2609.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	20	1	254		700.7	Measured	0.267	Calculated	275.1	Measured	0.105	Calculated	469.4	Measured	0.179	Measured	2622.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	21	1	254		711.5	Measured	0.274	Calculated	272.5	Measured	0.105	Calculated	459.9	Measured	0.177	Measured	2598.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	22	1	254		690.8	Measured	0.264	Calculated	274.6	Measured	0.105	Calculated	463.4	Measured	0.177	Measured	2618.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/11/2025	23	1	254		695.8	Measured	0.268	Calculated	272.4	Measured	0.105	Calculated	464.9	Measured	0.179	Measured	2597.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	0	1	185		518.3	Measured	0.27	Calculated	201.4	Measured	0.105	Calculated	334.1	Measured	0.174	Measured	1920.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	1	1	236		673.9	Measured	0.276	Calculated	255.9	Measured	0.105	Calculated	385.6	Measured	0.158	Measured	2440.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	2	1	255		664.2	Measured	0.256	Calculated	272.4	Measured	0.105	Calculated	467.5	Measured	0.18	Measured	2597	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	3	1	254		691.1	Measured	0.267	Calculated	271.6	Measured	0.105	Calculated	461	Measured	0.178	Measured	2589.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	4	1	254		704.2	Measured	0.273	Calculated	270.5	Measured	0.105	Calculated	459	Measured	0.178	Measured	2578.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	5	1	255		712.3	Measured	0.274	Calculated	272.3	Measured	0.105	Calculated	456.9	Measured	0.176	Measured	2596	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	6	1	255		698.7	Measured	0.27	Calculated	270.9	Measured	0.105	Calculated	441.7	Measured	0.171	Measured	2583.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	7	1	255		712	Measured	0.275	Calculated	271.1	Measured	0.105	Calculated	442.1	Measured	0.171	Measured	2585.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	8	1	255		708.3	Measured	0.275	Calculated	270.2	Measured	0.105	Calculated	432.9	Measured	0.168	Measured	2576.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	9	1	254		686.1	Measured	0.266	Calculated	270.7	Measured	0.105	Calculated	436.1	Measured	0.169	Measured	2580.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	10	1	255		679.5	Measured	0.263	Calculated	271	Measured	0.105	Calculated	454.7	Measured	0.176	Measured	2583.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	11	1	255		686.6	Measured	0.266	Calculated	271.1	Measured	0.105	Calculated	457.6	Measured	0.177	Measured	2585.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	12	1	255		700	Measured	0.269	Calculated	273	Measured	0.105	Calculated	460.7	Measured	0.177	Measured	2602.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	13	1	255		703.6	Measured	0.269	Calculated	273.9	Measured	0.105	Calculated	464.8	Measured	0.178	Measured	2611.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	14	1	254		691.2	Measured	0.267	Calculated	271.2	Measured	0.105	Calculated	465.4	Measured	0.18	Measured	2585.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	15	1	255		679.2	Measured	0.261	Calculated	272.5	Measured	0.105	Calculated	465.1	Measured	0.179	Measured	2598.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	16	1	255		661.7	Measured	0.257	Calculated	270.4	Measured	0.105	Calculated	461.5	Measured	0.179	Measured	2578.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	17	1	255		662	Measured	0.256	Calculated	271.1	Measured	0.105	Calculated	465.3	Measured	0.18	Measured	2584.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	18	1	255		642.5	Measured	0.246	Calculated	273.7	Measured	0.105	Calculated	454.1	Measured	0.174	Measured	2610	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	19	1	254		631.5	Measured	0.244	Calculated	271.6	Measured	0.105	Calculated	458.4	Measured	0.177	Measured	2590.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	20	1	254		637.8	Measured	0.246	Calculated	272.3	Measured	0.105	Calculated	467.3	Measured	0.18	Measured	2596.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		8/12/2025	21	1	255		644.7	Measured	0.247	Calculated	273.5	Measured	0.105	Calculated	472	Measured	0.181	Measured	2607.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	22	1	255		635.6	Measured	0.246	Calculated	271.3	Measured	0.105	Calculated	463.1	Measured	0.179	Measured	2587.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/12/2025	23	1	255		647.3	Measured	0.25	Calculated	272	Measured	0.105	Calculated	464.3	Measured	0.179	Measured	2593.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	0	1	255		645.9	Measured	0.249	Calculated	272.3	Measured	0.105	Calculated	467.3	Measured	0.18	Measured	2596	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	1	1	255		649.6	Measured	0.25	Calculated	272.1	Measured	0.105	Calculated	464.4	Measured	0.179	Measured	2594.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	2	1	255		645.9	Measured	0.249	Calculated	272.6	Measured	0.105	Calculated	470.4	Measured	0.181	Measured	2598.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	3	1	255		633.8	Measured	0.244	Calculated	272.6	Measured	0.105	Calculated	467.9	Measured	0.18	Measured	2599.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	4	1	255		612	Measured	0.237	Calculated	270.5	Measured	0.105	Calculated	461.7	Measured	0.179	Measured	2579.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	5	1	255		626.9	Measured	0.243	Calculated	271.1	Measured	0.105	Calculated	465.3	Measured	0.18	Measured	2585	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	6	1	255		640.3	Measured	0.246	Calculated	272.5	Measured	0.105	Calculated	459.9	Measured	0.177	Measured	2598.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	7	1	255		653.9	Measured	0.251	Calculated	273.1	Measured	0.105	Calculated	463.5	Measured	0.178	Measured	2603.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	8	1	255		653.2	Measured	0.248	Calculated	276.3	Measured	0.105	Calculated	458.3	Measured	0.174	Measured	2634	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	9	1	254		651.3	Measured	0.247	Calculated	276	Measured	0.105	Calculated	460.6	Measured	0.175	Measured	2631.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	10	1	255		672.9	Measured	0.256	Calculated	276	Measured	0.105	Calculated	457.8	Measured	0.174	Measured	2631.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	11	1	254		675.6	Measured	0.259	Calculated	273.6	Measured	0.105	Calculated	446.1	Measured	0.171	Measured	2608.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	12	1	255		650.1	Measured	0.248	Calculated	274.7	Measured	0.105	Calculated	440	Measured	0.168	Measured	2619	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	13	1	255		660.3	Measured	0.252	Calculated	274.4	Measured	0.105	Calculated	447.4	Measured	0.171	Measured	2616.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	14	1	255		686.4	Measured	0.262	Calculated	274.8	Measured	0.105	Calculated	455.9	Measured	0.174	Measured	2620.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	15	1	255		667.8	Measured	0.256	Calculated	274	Measured	0.105	Calculated	465.1	Measured	0.178	Measured	2612.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	16	1	255		663.9	Measured	0.253	Calculated	275.3	Measured	0.105	Calculated	469.9	Measured	0.179	Measured	2625.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	17	1	255		669	Measured	0.257	Calculated	272.9	Measured	0.105	Calculated	460.5	Measured	0.177	Measured	2601.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	18	1	255		657.3	Measured	0.251	Calculated	274.8	Measured	0.105	Calculated	455.9	Measured	0.174	Measured	2620.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	19	1	255		658.4	Measured	0.252	Calculated	274.2	Measured	0.105	Calculated	449.6	Measured	0.172	Measured	2614	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	20	1	254		656	Measured	0.25	Calculated	275.2	Measured	0.105	Calculated	461.8	Measured	0.176	Measured	2623.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	21	1	255		658	Measured	0.251	Calculated	274.6	Measured	0.105	Calculated	463.5	Measured	0.177	Measured	2618.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	22	1	255		654.9	Measured	0.251	Calculated	273.3	Measured	0.105	Calculated	458.7	Measured	0.176	Measured	2606.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/13/2025	23	1	254		654.5	Measured	0.253	Calculated	271.2	Measured	0.105	Calculated	455	Measured	0.176	Measured	2585.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	0	1	254		656.9	Measured	0.255	Calculated	270.5	Measured	0.105	Calculated	448.7	Measured	0.174	Measured	2579	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	1	1	255		636.9	Measured	0.246	Calculated	271.9	Measured	0.105	Calculated	433	Measured	0.167	Measured	2592.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	2	1	254		633.1	Measured	0.246	Calculated	269.8	Measured	0.105	Calculated	437.2	Measured	0.17	Measured	2572	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	3	1	255		644.7	Measured	0.249	Calculated	271.9	Measured	0.105	Calculated	438.1	Measured	0.169	Measured	2592.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	4	1	255		650	Measured	0.253	Calculated	269.3	Measured	0.105	Calculated	428.8	Measured	0.167	Measured	2567.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	5	1	255		642	Measured	0.248	Calculated	271	Measured	0.105	Calculated	441.9	Measured	0.171	Measured	2584	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	6	1	255		640.9	Measured	0.248	Calculated	271.4	Measured	0.105	Calculated	447.6	Measured	0.173	Measured	2587.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	7	1	254		633.3	Measured	0.245	Calculated	271.5	Measured	0.105	Calculated	445.3	Measured	0.172	Measured	2588.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	8	1	254		645.5	Measured	0.249	Calculated	271.6	Measured	0.105	Calculated	450.6	Measured	0.174	Measured	2589.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	9	1	255		655.2	Measured	0.251	Calculated	274	Measured	0.105	Calculated	449.4	Measured	0.172	Measured	2612.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	10	1	255		639.1	Measured	0.246	Calculated	272.9	Measured	0.105	Calculated	455.3	Measured	0.175	Measured	2601.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	11	1	255		637.7	Measured	0.244	Calculated	274	Measured	0.105	Calculated	459.8	Measured	0.176	Measured	2612.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	12	1	255		655.3	Measured	0.25	Calculated	274.9	Measured	0.105	Calculated	458.6	Measured	0.175	Measured	2620.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	13	1	255		678.3	Measured	0.259	Calculated	275.1	Measured	0.105	Calculated	459	Measured	0.175	Measured	2623.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	14	1	254		695	Measured	0.265	Calculated	275.3	Measured	0.105	Calculated	456.7	Measured	0.174	Measured	2624.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	15	1	254		654.7	Measured	0.25	Calculated	275.2	Measured	0.105	Calculated	461.8	Measured	0.176	Measured	2623.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	16	1	255		648.4	Measured	0.247	Calculated	275.1	Measured	0.105	Calculated	448.6	Measured	0.171	Measured	2623.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	17	1	254		645.4	Measured	0.247	Calculated	274.4	Measured	0.105	Calculated	447.4	Measured	0.171	Measured	2616.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	18	1	255		649.1	Measured	0.249	Calculated	273.7	Measured	0.105	Calculated	451.4	Measured	0.173	Measured	2609.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	19	1	255		656.7	Measured	0.25	Calculated	275.5	Measured	0.105	Calculated	457.1	Measured	0.174	Measured	2626.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	20	1	254		666.6	Measured	0.254	Calculated	275	Measured	0.105	Calculated	458.9	Measured	0.175	Measured	2622.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	21	1	255		667.8	Measured	0.255	Calculated	274.5	Measured	0.105	Calculated	439.7	Measured	0.168	Measured	2617.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	22	1	255		663.6	Measured	0.255	Calculated	272.7	Measured	0.105	Calculated	439.4	Measured	0.169	Measured	2600.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/14/2025	23	1	254		654.3	Measured	0.252	Calculated	272.7	Measured	0.105	Calculated	431.7	Measured	0.166	Measured	2600.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	0	1	254		644.3	Measured	0.247	Calculated	273.1	Measured	0.105	Calculated	434.8	Measured	0.167	Measured	2603.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	1	1	255		630.8	Measured	0.242	Calculated	273.3	Measured	0.105	Calculated	432.6	Measured	0.166	Measured	2606.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	2	1	255		629.8	Measured	0.242	Calculated	272.6	Measured	0.105	Calculated	434.1	Measured	0.167	Measured	2599.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	3	1	255		634.6	Measured	0.244	Calculated	273	Measured	0.105	Calculated	442.4	Measured	0.17	Measured	2602.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	4	1	254		623.1	Measured	0.243	Calculated	268.6	Measured	0.105	Calculated	435.3	Measured	0.17	Measured	2560.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	5	1	254		647.3	Measured	0.249	Calculated	272.4	Measured	0.105	Calculated	438.9	Measured	0.169	Measured	2597.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	6	1	255		645.2	Measured	0.249	Calculated	272.1	Measured	0.105	Calculated	438.4	Measured	0.169	Measured	2594.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	7	1	255		651.8	Measured	0.252	Calculated	271.4	Measured	0.105	Calculated	439.9	Measured	0.17	Measured	2587.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	8	1	254		665.5	Measured	0.257	Calculated	271.3	Measured	0.105	Calculated	426.8	Measured	0.165	Measured	2586.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	9	1	254		652.3	Measured	0.249	Calculated	275	Measured	0.105	Calculated	432.7	Measured	0.165	Measured	2622.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	10	1	255		650.8	Measured	0.247	Calculated	276.4	Measured	0.105	Calculated	434.9	Measured	0.165	Measured	2635.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	11	1	255		656.2	Measured	0.249	Calculated	276.7	Measured	0.105	Calculated	432.7	Measured	0.164	Measured	2638.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	12	1	255		655	Measured	0.248	Calculated	277.4	Measured	0.105	Calculated	433.7	Measured	0.164	Measured	2644.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	13	1	255		675.9	Measured	0.255	Calculated	277.6	Measured	0.105	Calculated	434.1	Measured	0.164	Measured	2646.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	14	1	254		665.5	Measured	0.252	Calculated	276.9	Measured	0.105	Calculated	446.1	Measured	0.169	Measured	2639.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	15	1	255		673.1	Measured	0.253	Calculated	279	Measured	0.105	Calculated	438.9	Measured	0.165	Measured	2659.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	16	1	255		689	Measured	0.259	Calculated	278.5	Measured	0.105	Calculated	443.4	Measured	0.167	Measured	2655.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	17	1	254		691.8	Measured	0.262	Calculated	277	Measured	0.105	Calculated	451.6	Measured	0.171	Measured	2641.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	18	1	255		657.8	Measured	0.249	Calculated	277	Measured	0.105	Calculated	443.8	Measured	0.168	Measured	2641.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	19	1	254		637	Measured	0.243	Calculated	275.4	Measured	0.105	Calculated	436	Measured	0.166	Measured	2626.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	20	1	255		656.3	Measured	0.249	Calculated	276.2	Measured	0.105	Calculated	442.4	Measured	0.168	Measured	2633.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	21	1	254		659.2	Measured	0.25	Calculated	276.5	Measured	0.105	Calculated	453.5	Measured	0.172	Measured	2636.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	22	1	255		639.4	Measured	0.243	Calculated	275.6	Measured	0.105	Calculated	452	Measured	0.172	Measured	2627.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/15/2025	23	1	255		632.4	Measured	0.242	Calculated	274	Measured	0.105	Calculated	446.8	Measured	0.171	Measured	2612.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	0	1	255		647.5	Measured	0.248	Calculated	273.8	Measured	0.105	Calculated	446.5	Measured	0.171	Measured	2611	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	1	1	256		650	Measured	0.25	Calculated	273.2	Measured	0.105	Calculated	442.9	Measured	0.17	Measured	2605.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	2	1	254		632.4	Measured	0.242	Calculated	274	Measured	0.105	Calculated	439	Measured	0.168	Measured	2612.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	3	1	254		641.6	Measured	0.246	Calculated	273.4	Measured	0.105	Calculated	435.3	Measured	0.167	Measured	2606.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	4	1	254		643	Measured	0.247	Calculated	273.3	Measured	0.105	Calculated	445.7	Measured	0.171	Measured	2606.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	5	1	255		648.1	Measured	0.248	Calculated	273.8	Measured	0.105	Calculated	451.7	Measured	0.173	Measured	2610.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	6	1	255		646.6	Measured	0.247	Calculated	274.9	Measured	0.105	Calculated	445.6	Measured	0.17	Measured	2621.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	7	1	254		640.8	Measured	0.245	Calculated	274.2	Measured	0.105	Calculated	449.6	Measured	0.172	Measured	2614.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	8	1	255		649.7	Measured	0.248	Calculated	274.8	Measured	0.105	Calculated	450.7	Measured	0.172	Measured	2620.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	9	1	255		645.7	Measured	0.246	Calculated	275.4	Measured	0.105	Calculated	454.3	Measured	0.173	Measured	2626	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	10	1	255		649.9	Measured	0.246	Calculated	276.9	Measured	0.105	Calculated	456.7	Measured	0.173	Measured	2640	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	11	1	254		674.4	Measured	0.257	Calculated	275.6	Measured	0.105	Calculated	457.3	Measured	0.174	Measured	2627.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	12	1	255		666.9	Measured	0.251	Calculated	278.3	Measured	0.105	Calculated	467	Measured	0.176	Measured	2653.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	13	1	255		676.9	Measured	0.255	Calculated	278.4	Measured	0.105	Calculated	467.2	Measured	0.176	Measured	2654.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	14	1	255		675.4	Measured	0.256	Calculated	276.3	Measured	0.105	Calculated	469	Measured	0.178	Measured	2634.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	15	1	254		665.8	Measured	0.253	Calculated	275.7	Measured	0.105	Calculated	449.6	Measured	0.171	Measured	2629.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	16	1	230		582.4	Measured	0.248	Calculated	246.7	Measured	0.105	Calculated	409.3	Measured	0.174	Measured	2352.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	17	1	172		474.8	Measured	0.258	Calculated	192.9	Measured	0.105	Calculated	301.7	Measured	0.164	Measured	1839.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	18	1	173		472.5	Measured	0.251	Calculated	197.2	Measured	0.105	Calculated	304.6	Measured	0.162	Measured	1880.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	19	1	186		488.4	Measured	0.248	Calculated	206.5	Measured	0.105	Calculated	307.1	Measured	0.156	Measured	1968.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	20	1	188		585.4	Measured	0.297	Calculated	206.6	Measured	0.105	Calculated	325	Measured	0.165	Measured	1969.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	21	1	236		657.2	Measured	0.27	Calculated	255.6	Measured	0.105	Calculated	416.7	Measured	0.171	Measured	2436.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	22	1	252		635.6	Measured	0.245	Calculated	271.6	Measured	0.105	Calculated	450.7	Measured	0.174	Measured	2590.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/16/2025	23	1	251		636.7	Measured	0.248	Calculated	269.8	Measured	0.105	Calculated	452.8	Measured	0.176	Measured	2572.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	0	1	252		663	Measured	0.257	Calculated	270.1	Measured	0.105	Calculated	448.2	Measured	0.174	Measured	2575.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	1	1	252		636.4	Measured	0.246	Calculated	271.4	Measured	0.105	Calculated	442.5	Measured	0.171	Measured	2588	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	2	1	252		627.8	Measured	0.243	Calculated	270.9	Measured	0.105	Calculated	441.7	Measured	0.171	Measured	2582.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	3	1	252		634.7	Measured	0.246	Calculated	270.4	Measured	0.105	Calculated	443.5	Measured	0.172	Measured	2578.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	4	1	252		646.6	Measured	0.253	Calculated	267.5	Measured	0.105	Calculated	431.1	Measured	0.169	Measured	2550.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	5	1	252		644.7	Measured	0.251	Calculated	269.5	Measured	0.105	Calculated	447.1	Measured	0.174	Measured	2569.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	6	1	251		642.6	Measured	0.249	Calculated	270.4	Measured	0.105	Calculated	448.6	Measured	0.174	Measured	2577.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	7	1	252		648	Measured	0.252	Calculated	270.1	Measured	0.105	Calculated	443	Measured	0.172	Measured	2575.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	8	1	252		665.1	Measured	0.257	Calculated	271.9	Measured	0.105	Calculated	440.8	Measured	0.17	Measured	2592.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	9	1	252		644.9	Measured	0.249	Calculated	271.3	Measured	0.105	Calculated	445	Measured	0.172	Measured	2587.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	10	1	252		639.7	Measured	0.247	Calculated	272	Measured	0.105	Calculated	448.6	Measured	0.173	Measured	2593.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	11	1	252		645.4	Measured	0.248	Calculated	273.3	Measured	0.105	Calculated	440.4	Measured	0.169	Measured	2605.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	12	1	252		643.5	Measured	0.248	Calculated	272.1	Measured	0.105	Calculated	456.6	Measured	0.176	Measured	2594.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	13	1	254		649.8	Measured	0.249	Calculated	273.7	Measured	0.105	Calculated	454	Measured	0.174	Measured	2609.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	14	1	253		651.8	Measured	0.249	Calculated	274.5	Measured	0.105	Calculated	458.1	Measured	0.175	Measured	2617.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	15	1	254		661	Measured	0.252	Calculated	275.5	Measured	0.105	Calculated	462.4	Measured	0.176	Measured	2627.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	16	1	253		661.9	Measured	0.253	Calculated	274.1	Measured	0.105	Calculated	467.9	Measured	0.179	Measured	2613.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	17	1	254		666.7	Measured	0.256	Calculated	273.6	Measured	0.105	Calculated	472.1	Measured	0.181	Measured	2608.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	18	1	255		655.2	Measured	0.25	Calculated	274.5	Measured	0.105	Calculated	455.4	Measured	0.174	Measured	2617.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	19	1	254		658.7	Measured	0.252	Calculated	273.7	Measured	0.105	Calculated	454.1	Measured	0.174	Measured	2609.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	20	1	253		646	Measured	0.25	Calculated	271.5	Measured	0.105	Calculated	450.5	Measured	0.174	Measured	2588.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	21	1	254		650.6	Measured	0.252	Calculated	271.3	Measured	0.105	Calculated	439.7	Measured	0.17	Measured	2586.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	22	1	253		631.6	Measured	0.246	Calculated	268.9	Measured	0.105	Calculated	433.2	Measured	0.169	Measured	2563.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/17/2025	23	1	253		635.1	Measured	0.246	Calculated	270.3	Measured	0.105	Calculated	435.6	Measured	0.169	Measured	2577.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	0	1	254		637.9	Measured	0.246	Calculated	271.8	Measured	0.105	Calculated	427.7	Measured	0.165	Measured	2591.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	1	1	254		649.5	Measured	0.253	Calculated	269.4	Measured	0.105	Calculated	426.5	Measured	0.166	Measured	2569	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	2	1	254		655.5	Measured	0.255	Calculated	269.5	Measured	0.105	Calculated	429.1	Measured	0.167	Measured	2569.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	3	1	254		660.7	Measured	0.256	Calculated	270.6	Measured	0.105	Calculated	425.7	Measured	0.165	Measured	2580.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	4	1	253		900.2	Measured	0.357	Calculated	264.6	Measured	0.105	Calculated	428.8	Measured	0.17	Measured	2522.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	5	1	254		858.8	Measured	0.337	Calculated	267.5	Measured	0.105	Calculated	433.5	Measured	0.17	Measured	2550.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	6	1	255		749.1	Measured	0.292	Calculated	269	Measured	0.105	Calculated	430.8	Measured	0.168	Measured	2564.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	7	1	254		634.8	Measured	0.249	Calculated	267.4	Measured	0.105	Calculated	400.3	Measured	0.157	Measured	2549.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	8	1	253		678.3	Measured	0.266	Calculated	267	Measured	0.105	Calculated	404.8	Measured	0.159	Measured	2546	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	9	1	254		715	Measured	0.281	Calculated	266.8	Measured	0.105	Calculated	412.1	Measured	0.162	Measured	2544.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	10	1	255		689.2	Measured	0.269	Calculated	268.7	Measured	0.105	Calculated	415.1	Measured	0.162	Measured	2562.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	11	1	254		666.9	Measured	0.261	Calculated	267.5	Measured	0.105	Calculated	418.3	Measured	0.164	Measured	2550.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	12	1	253		699.5	Measured	0.275	Calculated	267.1	Measured	0.105	Calculated	425.3	Measured	0.167	Measured	2547	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	13	1	253		708.5	Measured	0.277	Calculated	268.5	Measured	0.105	Calculated	425	Measured	0.166	Measured	2560.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	14	1	253		709.7	Measured	0.275	Calculated	271	Measured	0.105	Calculated	431.5	Measured	0.167	Measured	2584.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	15	1	255		747.3	Measured	0.286	Calculated	274.3	Measured	0.105	Calculated	431.6	Measured	0.165	Measured	2615.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		8/18/2025	16	1	254		774.9	Measured	0.298	Calculated	272.8	Measured	0.105	Calculated	431.7	Measured	0.166	Measured	2600.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	17	1	254		756.5	Measured	0.291	Calculated	272.2	Measured	0.105	Calculated	438.6	Measured	0.169	Measured	2595.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	18	1	254		743.3	Measured	0.288	Calculated	270.6	Measured	0.105	Calculated	430.9	Measured	0.167	Measured	2580.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	19	1	248		701	Measured	0.28	Calculated	262.7	Measured	0.105	Calculated	418.3	Measured	0.167	Measured	2504.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	20	1	199		588.1	Measured	0.289	Calculated	213.8	Measured	0.105	Calculated	320	Measured	0.157	Measured	2038.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	21	1	180		546.7	Measured	0.289	Calculated	198.3	Measured	0.105	Calculated	283.6	Measured	0.15	Measured	1890.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	22	1	180		550.5	Measured	0.292	Calculated	197.9	Measured	0.105	Calculated	283	Measured	0.15	Measured	1886.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/18/2025	23	1	205		679.3	Measured	0.32	Calculated	222.6	Measured	0.105	Calculated	331.1	Measured	0.156	Measured	2122.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	0	1	253		709.7	Measured	0.276	Calculated	269.7	Measured	0.105	Calculated	442.4	Measured	0.172	Measured	2571.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	1	1	252		723.7	Measured	0.284	Calculated	267.7	Measured	0.105	Calculated	446.7	Measured	0.175	Measured	2552.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	2	1	251		703.6	Measured	0.277	Calculated	266.4	Measured	0.105	Calculated	449.6	Measured	0.177	Measured	2540.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	3	1	252		685.8	Measured	0.268	Calculated	268.2	Measured	0.105	Calculated	442.4	Measured	0.173	Measured	2557.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	4	1	252		672.8	Measured	0.267	Calculated	264.3	Measured	0.105	Calculated	443.5	Measured	0.176	Measured	2520	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	5	1	252		676.6	Measured	0.266	Calculated	266.8	Measured	0.105	Calculated	450.2	Measured	0.177	Measured	2543.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	6	1	252		687.4	Measured	0.268	Calculated	269.4	Measured	0.105	Calculated	446.9	Measured	0.174	Measured	2568.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	7	1	252		688.9	Measured	0.27	Calculated	267.2	Measured	0.105	Calculated	443.2	Measured	0.174	Measured	2547.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	8	1	251		689.5	Measured	0.269	Calculated	268.7	Measured	0.105	Calculated	453.4	Measured	0.177	Measured	2561.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	9	1	252		694.2	Measured	0.27	Calculated	270	Measured	0.105	Calculated	463.3	Measured	0.18	Measured	2574.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	10	1	252		700	Measured	0.273	Calculated	269.1	Measured	0.105	Calculated	454.1	Measured	0.177	Measured	2565.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	11	1	252		708.1	Measured	0.275	Calculated	269.9	Measured	0.105	Calculated	447.8	Measured	0.174	Measured	2573.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	12	1	251		719.8	Measured	0.282	Calculated	267.7	Measured	0.105	Calculated	449.2	Measured	0.176	Measured	2552.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	13	1	252		698.1	Measured	0.272	Calculated	268.9	Measured	0.105	Calculated	435.9	Measured	0.17	Measured	2564	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	14	1	252		688.8	Measured	0.269	Calculated	268.4	Measured	0.105	Calculated	437.6	Measured	0.171	Measured	2559.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	15	1	252		708.1	Measured	0.275	Calculated	270.4	Measured	0.105	Calculated	435.7	Measured	0.169	Measured	2578.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	16	1	252		739.4	Measured	0.289	Calculated	268.6	Measured	0.105	Calculated	437.9	Measured	0.171	Measured	2560.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	17	1	252		711.7	Measured	0.279	Calculated	267.5	Measured	0.105	Calculated	425.9	Measured	0.167	Measured	2550.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	18	1	251		689	Measured	0.27	Calculated	267.4	Measured	0.105	Calculated	431	Measured	0.169	Measured	2550	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	19	1	251		689.7	Measured	0.268	Calculated	269.5	Measured	0.105	Calculated	426.5	Measured	0.166	Measured	2569.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	20	1	251		693	Measured	0.271	Calculated	268.2	Measured	0.105	Calculated	439.9	Measured	0.172	Measured	2557.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	21	1	252		690.3	Measured	0.269	Calculated	269.5	Measured	0.105	Calculated	434.2	Measured	0.169	Measured	2569.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	22	1	252		647.9	Measured	0.253	Calculated	269	Measured	0.105	Calculated	425.7	Measured	0.166	Measured	2564.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/19/2025	23	1	252		650.2	Measured	0.255	Calculated	267.6	Measured	0.105	Calculated	428.7	Measured	0.168	Measured	2551.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	0	1	252		654.9	Measured	0.257	Calculated	267.1	Measured	0.105	Calculated	425.3	Measured	0.167	Measured	2546.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	1	1	252		674.2	Measured	0.264	Calculated	267.4	Measured	0.105	Calculated	428.3	Measured	0.168	Measured	2549.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	2	1	252		677.1	Measured	0.265	Calculated	267.7	Measured	0.105	Calculated	433.9	Measured	0.17	Measured	2552.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	3	1	252		687.2	Measured	0.27	Calculated	267.3	Measured	0.105	Calculated	433.2	Measured	0.17	Measured	2548.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	4	1	252		809.8	Measured	0.322	Calculated	264.2	Measured	0.105	Calculated	435.7	Measured	0.173	Measured	2518.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	5	1	252		837.3	Measured	0.33	Calculated	265.9	Measured	0.105	Calculated	433.6	Measured	0.171	Measured	2535.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	6	1	251		742.7	Measured	0.293	Calculated	265.7	Measured	0.105	Calculated	440.8	Measured	0.174	Measured	2533.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	7	1	252		788.3	Measured	0.312	Calculated	265.2	Measured	0.105	Calculated	432.4	Measured	0.171	Measured	2528.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	8	1	251		769	Measured	0.307	Calculated	263.1	Measured	0.105	Calculated	444.1	Measured	0.177	Measured	2508.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	9	1	252		755.2	Measured	0.299	Calculated	264.7	Measured	0.105	Calculated	436.7	Measured	0.173	Measured	2524.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	10	1	252		697.4	Measured	0.275	Calculated	266.1	Measured	0.105	Calculated	411	Measured	0.162	Measured	2537.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	11	1	251		677.5	Measured	0.267	Calculated	266.5	Measured	0.105	Calculated	416.8	Measured	0.164	Measured	2541.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	12	1	252		627.2	Measured	0.246	Calculated	267.2	Measured	0.105	Calculated	423	Measured	0.166	Measured	2548.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	13	1	252		822.5	Measured	0.319	Calculated	270.2	Measured	0.105	Calculated	419.9	Measured	0.163	Measured	2575.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	14	1	252		1028.3	Measured	0.401	Calculated	269.2	Measured	0.105	Calculated	441.4	Measured	0.172	Measured	2566.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	15	1	252		771.1	Measured	0.298	Calculated	271.1	Measured	0.105	Calculated	431.7	Measured	0.167	Measured	2585.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	16	1	252		663.6	Measured	0.259	Calculated	268.3	Measured	0.105	Calculated	419.6	Measured	0.164	Measured	2558.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	17	1	251		663.2	Measured	0.258	Calculated	269.2	Measured	0.105	Calculated	413.3	Measured	0.161	Measured	2567.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	18	1	252		663.3	Measured	0.257	Calculated	270.5	Measured	0.105	Calculated	412.7	Measured	0.16	Measured	2579.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	19	1	252		648.7	Measured	0.253	Calculated	269.4	Measured	0.105	Calculated	413.5	Measured	0.161	Measured	2568.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	20	1	251		663.7	Measured	0.257	Calculated	270.4	Measured	0.105	Calculated	415.1	Measured	0.161	Measured	2578.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	21	1	251		664	Measured	0.258	Calculated	270.2	Measured	0.105	Calculated	417.4	Measured	0.162	Measured	2576.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	22	1	252		660	Measured	0.258	Calculated	268.1	Measured	0.105	Calculated	411.5	Measured	0.161	Measured	2555.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/20/2025	23	1	252		652	Measured	0.254	Calculated	268.8	Measured	0.105	Calculated	412.7	Measured	0.161	Measured	2563.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	0	1	252		672.2	Measured	0.264	Calculated	267.5	Measured	0.105	Calculated	408	Measured	0.16	Measured	2550.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	1	1	252		681.8	Measured	0.267	Calculated	267.9	Measured	0.105	Calculated	408.6	Measured	0.16	Measured	2554	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	2	1	252		693.2	Measured	0.271	Calculated	268.4	Measured	0.105	Calculated	409.5	Measured	0.16	Measured	2559.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	3	1	252		688.6	Measured	0.269	Calculated	268.2	Measured	0.105	Calculated	411.7	Measured	0.161	Measured	2557	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	4	1	252		693.5	Measured	0.273	Calculated	266.1	Measured	0.105	Calculated	405.9	Measured	0.16	Measured	2536.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	5	1	252		695.5	Measured	0.272	Calculated	268.1	Measured	0.105	Calculated	414.1	Measured	0.162	Measured	2556.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	6	1	252		678.2	Measured	0.265	Calculated	268.2	Measured	0.105	Calculated	416.8	Measured	0.163	Measured	2557.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	7	1	252		708.7	Measured	0.279	Calculated	266.2	Measured	0.105	Calculated	398.4	Measured	0.157	Measured	2537.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	8	1	251		756.5	Measured	0.296	Calculated	267.8	Measured	0.105	Calculated	400.9	Measured	0.157	Measured	2553.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	9	1	251		687.5	Measured	0.271	Calculated	266.3	Measured	0.105	Calculated	403.7	Measured	0.159	Measured	2539	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	10	1	252		635	Measured	0.248	Calculated	268.9	Measured	0.105	Calculated	412.8	Measured	0.161	Measured	2563.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	11	1	252		565.4	Measured	0.222	Calculated	267.7	Measured	0.105	Calculated	410.9	Measured	0.161	Measured	2552.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	12	1	252		507.1	Measured	0.198	Calculated	268.4	Measured	0.105	Calculated	414.6	Measured	0.162	Measured	2559.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	13	1	252		455.2	Measured	0.177	Calculated	269.9	Measured	0.105	Calculated	414.4	Measured	0.161	Measured	2573.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	14	1	252		602	Measured	0.234	Calculated	270	Measured	0.105	Calculated	419.7	Measured	0.163	Measured	2574.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	15	1	253		568.5	Measured	0.219	Calculated	271.8	Measured	0.105	Calculated	414.6	Measured	0.16	Measured	2591.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	16	1	253		650.5	Measured	0.253	Calculated	269.8	Measured	0.105	Calculated	414.2	Measured	0.161	Measured	2572.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	17	1	253		676.9	Measured	0.264	Calculated	269.3	Measured	0.105	Calculated	410.9	Measured	0.16	Measured	2568.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	18	1	253		677.9	Measured	0.262	Calculated	271.2	Measured	0.105	Calculated	413.7	Measured	0.16	Measured	2585.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	19	1	253		690.7	Measured	0.268	Calculated	270.3	Measured	0.105	Calculated	414.9	Measured	0.161	Measured	2576.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	20	1	252		714.6	Measured	0.277	Calculated	270.1	Measured	0.105	Calculated	424.9	Measured	0.165	Measured	2575.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	21	1	253		705.6	Measured	0.274	Calculated	269.7	Measured	0.105	Calculated	429.5	Measured	0.167	Measured	2571.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	22	1	253		685.5	Measured	0.266	Calculated	270.6	Measured	0.105	Calculated	423.1	Measured	0.164	Measured	2579.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/21/2025	23	1	253		665.5	Measured	0.261	Calculated	267.9	Measured	0.105	Calculated	418.9	Measured	0.164	Measured	2554.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	0	1	252		686.8	Measured	0.268	Calculated	268.8	Measured	0.105	Calculated	420.3	Measured	0.164	Measured	2563.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	1	1	253		706.2	Measured	0.276	Calculated	268.7	Measured	0.105	Calculated	422.7	Measured	0.165	Measured	2561.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	2	1	253		694.7	Measured	0.272	Calculated	268.3	Measured	0.105	Calculated	417	Measured	0.163	Measured	2558.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	3	1	253		682.7	Measured	0.267	Calculated	268.4	Measured	0.105	Calculated	412	Measured	0.161	Measured	2559.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	4	1	253		672.4	Measured	0.267	Calculated	264.3	Measured	0.105	Calculated	413.2	Measured	0.164	Measured	2519.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	5	1	253		672	Measured	0.265	Calculated	266.3	Measured	0.105	Calculated	411.4	Measured	0.162	Measured	2539.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	6	1	253		673	Measured	0.264	Calculated	267.7	Measured	0.105	Calculated	410.9	Measured	0.161	Measured	2552.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	7	1	253		685.8	Measured	0.27	Calculated	266.9	Measured	0.105	Calculated	417.3	Measured	0.164	Measured	2544.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	8	1	253		683.1	Measured	0.265	Calculated	270.5	Measured	0.105	Calculated	420.3	Measured	0.163	Measured	2578.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	9	1	252		709.8	Measured	0.274	Calculated	271.3	Measured	0.105	Calculated	421.7	Measured	0.163	Measured	2587	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	10	1	253		700.3	Measured	0.271	Calculated	271.3	Measured	0.105	Calculated	424.2	Measured	0.164	Measured	2586.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	11	1	253		703.2	Measured	0.273	Calculated	270.3	Measured	0.105	Calculated	425.2	Measured	0.165	Measured	2577.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	12	1	253		709.9	Measured	0.275	Calculated	270.6	Measured	0.105	Calculated	425.7	Measured	0.165	Measured	2579.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	13	1	253		706.6	Measured	0.274	Calculated	270.1	Measured	0.105	Calculated	424.9	Measured	0.165	Measured	2575.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	14	1	252		704.4	Measured	0.272	Calculated	271.5	Measured	0.105	Calculated	440.1	Measured	0.17	Measured	2589	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	15	1	253		705.4	Measured	0.272	Calculated	271.7	Measured	0.105	Calculated	440.4	Measured	0.17	Measured	2590.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	16	1	253		709.5	Measured	0.275	Calculated	270.9	Measured	0.105	Calculated	431.4	Measured	0.167	Measured	2583.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	17	1	253		713.7	Measured	0.277	Calculated	270	Measured	0.105	Calculated	424.8	Measured	0.165	Measured	2574.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	18	1	253		706.9	Measured	0.276	Calculated	268.2	Measured	0.105	Calculated	416.8	Measured	0.163	Measured	2557	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	19	1	252		670.3	Measured	0.261	Calculated	269.3	Measured	0.105	Calculated	416	Measured	0.162	Measured	2568	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	20	1	252		676.5	Measured	0.265	Calculated	267.6	Measured	0.105	Calculated	413.3	Measured	0.162	Measured	2551.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	21	1	253		689.6	Measured	0.27	Calculated	267.6	Measured	0.105	Calculated	418.4	Measured	0.164	Measured	2551.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	22	1	253		684.9	Measured	0.267	Calculated	268.9	Measured	0.105	Calculated	423	Measured	0.165	Measured	2563.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/22/2025	23	1	252		693.4	Measured	0.272	Calculated	267.8	Measured	0.105	Calculated	416.2	Measured	0.163	Measured	2553.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	0	1	253		937.1	Measured	0.37	Calculated	265.5	Measured	0.105	Calculated	422.8	Measured	0.167	Measured	2531.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	1	1	253		817.8	Measured	0.322	Calculated	266.6	Measured	0.105	Calculated	419.4	Measured	0.165	Measured	2541.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	2	1	253		700.6	Measured	0.276	Calculated	266.3	Measured	0.105	Calculated	411.3	Measured	0.162	Measured	2538.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	3	1	253		674.9	Measured	0.266	Calculated	266	Measured	0.105	Calculated	415.9	Measured	0.164	Measured	2536.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	4	1	253		673.9	Measured	0.267	Calculated	264.9	Measured	0.105	Calculated	414.2	Measured	0.164	Measured	2525.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	5	1	253		674.7	Measured	0.265	Calculated	266.7	Measured	0.105	Calculated	414.5	Measured	0.163	Measured	2543.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	6	1	253		673.5	Measured	0.265	Calculated	266.2	Measured	0.105	Calculated	411.2	Measured	0.162	Measured	2538.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	7	1	252		685.7	Measured	0.271	Calculated	265.9	Measured	0.105	Calculated	410.6	Measured	0.162	Measured	2534.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	8	1	253		643.2	Measured	0.254	Calculated	265.4	Measured	0.105	Calculated	407.4	Measured	0.161	Measured	2530.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	9	1	252		578.5	Measured	0.228	Calculated	265.8	Measured	0.105	Calculated	413.1	Measured	0.163	Measured	2534.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	10	1	253		658.9	Measured	0.258	Calculated	267.5	Measured	0.105	Calculated	415.7	Measured	0.163	Measured	2550.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	11	1	252		628.6	Measured	0.246	Calculated	267.5	Measured	0.105	Calculated	415.8	Measured	0.163	Measured	2550.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	12	1	252		622	Measured	0.243	Calculated	268.7	Measured	0.105	Calculated	412.4	Measured	0.161	Measured	2561.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	13	1	253		699	Measured	0.273	Calculated	268.9	Measured	0.105	Calculated	420.5	Measured	0.164	Measured	2564.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	14	1	253		732.9	Measured	0.286	Calculated	268.6	Measured	0.105	Calculated	417.4	Measured	0.163	Measured	2561	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	15	1	253		692.9	Measured	0.272	Calculated	267.1	Measured	0.105	Calculated	417.7	Measured	0.164	Measured	2546.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	16	1	253		662.2	Measured	0.259	Calculated	267.7	Measured	0.105	Calculated	413.4	Measured	0.162	Measured	2552	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	17	1	253		674.8	Measured	0.263	Calculated	269.2	Measured	0.105	Calculated	410.6	Measured	0.16	Measured	2566.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	18	1	253		701.6	Measured	0.274	Calculated	268.9	Measured	0.105	Calculated	412.8	Measured	0.161	Measured	2564.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	19	1	252		663.8	Measured	0.262	Calculated	266.2	Measured	0.105	Calculated	408.6	Measured	0.161	Measured	2538.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	20	1	252		665.3	Measured	0.26	Calculated	268	Measured	0.105	Calculated	403.7	Measured	0.158	Measured	2555.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	21	1	253		680.4	Measured	0.267	Calculated	267.8	Measured	0.105	Calculated	405.9	Measured	0.159	Measured	2553	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	22	1	252		683.9	Measured	0.268	Calculated	267.9	Measured	0.105	Calculated	411.2	Measured	0.161	Measured	2553.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/23/2025	23	1	253		763.7	Measured	0.298	Calculated	269	Measured	0.105	Calculated	415.4	Measured	0.162	Measured	2564.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	0	1	253		682.2	Measured	0.267	Calculated	268.2	Measured	0.105	Calculated	414.3	Measured	0.162	Measured	2557.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	1	1	253		670.4	Measured	0.262	Calculated	268.2	Measured	0.105	Calculated	414.3	Measured	0.162	Measured	2557.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	2	1	252		683	Measured	0.268	Calculated	266.8	Measured	0.105	Calculated	417.2	Measured	0.164	Measured	2544.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	3	1	253		672.7	Measured	0.263	Calculated	268.6	Measured	0.105	Calculated	417.4	Measured	0.163	Measured	2561	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	4	1	253		667.5	Measured	0.264	Calculated	264.9	Measured	0.105	Calculated	409.1	Measured	0.162	Measured	2525.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	5	1	253		682.8	Measured	0.268	Calculated	267.2	Measured	0.105	Calculated	415.3	Measured	0.163	Measured	2548	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	6	1	253		701.4	Measured	0.274	Calculated	268.4	Measured	0.105	Calculated	417.1	Measured	0.163	Measured	2558.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	7	1	252		677.2	Measured	0.265	Calculated	267.9	Measured	0.105	Calculated	418.9	Measured	0.164	Measured	2554.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	8	1	253		702.6	Measured	0.274	Calculated	269.3	Measured	0.105	Calculated	421.1	Measured	0.164	Measured	2567.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	9	1	253		711.3	Measured	0.277	Calculated	269.1	Measured	0.105	Calculated	415.7	Measured	0.162	Measured	2565.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	10	1	252		682	Measured	0.266	Calculated	269.2	Measured	0.105	Calculated	408	Measured	0.159	Measured	2566.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		8/24/2025	11	1	252		687.9	Measured	0.27	Calculated	267.7	Measured	0.105	Calculated	413.5	Measured	0.162	Measured	2552.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	12	1	253		686.4	Measured	0.268	Calculated	269.1	Measured	0.105	Calculated	415.6	Measured	0.162	Measured	2565.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	13	1	252		676.3	Measured	0.266	Calculated	266.2	Measured	0.105	Calculated	418.9	Measured	0.165	Measured	2538.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	14	1	253		675.1	Measured	0.264	Calculated	267.8	Measured	0.105	Calculated	418.8	Measured	0.164	Measured	2553.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	15	1	253		701.4	Measured	0.274	Calculated	268.6	Measured	0.105	Calculated	412.3	Measured	0.161	Measured	2561	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	16	1	253		705.9	Measured	0.276	Calculated	268.3	Measured	0.105	Calculated	417	Measured	0.163	Measured	2558.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	17	1	252		693.4	Measured	0.272	Calculated	267.8	Measured	0.105	Calculated	411.1	Measured	0.161	Measured	2553.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	18	1	253		684.3	Measured	0.269	Calculated	266.8	Measured	0.105	Calculated	412.1	Measured	0.162	Measured	2543.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	19	1	253		744.6	Measured	0.293	Calculated	266.1	Measured	0.105	Calculated	405.9	Measured	0.16	Measured	2537	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	20	1	253		717.8	Measured	0.281	Calculated	267.9	Measured	0.105	Calculated	413.8	Measured	0.162	Measured	2554.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	21	1	253		690.2	Measured	0.271	Calculated	266.8	Measured	0.105	Calculated	404.5	Measured	0.159	Measured	2543.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	22	1	253		770.1	Measured	0.302	Calculated	267.3	Measured	0.105	Calculated	407.8	Measured	0.16	Measured	2549	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/24/2025	23	1	252		788.7	Measured	0.312	Calculated	265.5	Measured	0.105	Calculated	410	Measured	0.162	Measured	2531.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	0	1	253		738.6	Measured	0.293	Calculated	264.5	Measured	0.105	Calculated	403.5	Measured	0.16	Measured	2521.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	1	1	253		733.3	Measured	0.292	Calculated	263.8	Measured	0.105	Calculated	397.4	Measured	0.158	Measured	2515	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	2	1	252		745.1	Measured	0.297	Calculated	263.4	Measured	0.105	Calculated	394.3	Measured	0.157	Measured	2511.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	3	1	253		695.2	Measured	0.277	Calculated	263.5	Measured	0.105	Calculated	394.5	Measured	0.157	Measured	2512.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	4	1	252		706	Measured	0.283	Calculated	261.2	Measured	0.105	Calculated	398.5	Measured	0.16	Measured	2490.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	5	1	253		678.1	Measured	0.269	Calculated	264.4	Measured	0.105	Calculated	403.4	Measured	0.16	Measured	2521	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	6	1	253		673.1	Measured	0.265	Calculated	265.9	Measured	0.105	Calculated	398.1	Measured	0.157	Measured	2535.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	7	1	252		679.9	Measured	0.271	Calculated	263.3	Measured	0.105	Calculated	399.2	Measured	0.159	Measured	2510.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	8	1	252		706.3	Measured	0.28	Calculated	265	Measured	0.105	Calculated	401.8	Measured	0.159	Measured	2527	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	9	1	253		710.5	Measured	0.282	Calculated	264.7	Measured	0.105	Calculated	396.2	Measured	0.157	Measured	2523.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	10	1	253		696.8	Measured	0.275	Calculated	265.9	Measured	0.105	Calculated	395.4	Measured	0.156	Measured	2534.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	11	1	252		714.7	Measured	0.284	Calculated	263.6	Measured	0.105	Calculated	402.1	Measured	0.16	Measured	2513	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	12	1	253		731.9	Measured	0.291	Calculated	263.5	Measured	0.105	Calculated	399.4	Measured	0.159	Measured	2512.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	13	1	253		685.5	Measured	0.271	Calculated	265.2	Measured	0.105	Calculated	394.5	Measured	0.156	Measured	2528.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	14	1	252		700.6	Measured	0.279	Calculated	263.3	Measured	0.105	Calculated	394.2	Measured	0.157	Measured	2511	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	15	1	253		749.8	Measured	0.298	Calculated	263.8	Measured	0.105	Calculated	387.4	Measured	0.154	Measured	2515.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	16	1	252		764	Measured	0.304	Calculated	263.7	Measured	0.105	Calculated	389.7	Measured	0.155	Measured	2514	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	17	1	253		749.8	Measured	0.298	Calculated	264.3	Measured	0.105	Calculated	385.5	Measured	0.153	Measured	2519.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	18	1	253		698.5	Measured	0.278	Calculated	263.3	Measured	0.105	Calculated	381.7	Measured	0.152	Measured	2510.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	19	1	253		727.3	Measured	0.29	Calculated	263.3	Measured	0.105	Calculated	384.2	Measured	0.153	Measured	2510.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	20	1	252		736.8	Measured	0.293	Calculated	263.6	Measured	0.105	Calculated	394.7	Measured	0.157	Measured	2513.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	21	1	253		741	Measured	0.294	Calculated	264.6	Measured	0.105	Calculated	391	Measured	0.155	Measured	2522.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	22	1	253		724.8	Measured	0.288	Calculated	263.6	Measured	0.105	Calculated	387	Measured	0.154	Measured	2513.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/25/2025	23	1	244		655	Measured	0.27	Calculated	254.7	Measured	0.105	Calculated	381.3	Measured	0.157	Measured	2428.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	0	1	189		523.3	Measured	0.273	Calculated	200.8	Measured	0.105	Calculated	279.5	Measured	0.146	Measured	1914.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	1	1	255		756.3	Measured	0.296	Calculated	267.9	Measured	0.105	Calculated	390.8	Measured	0.153	Measured	2554.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	2	1	253		714.9	Measured	0.284	Calculated	264.4	Measured	0.105	Calculated	393.2	Measured	0.156	Measured	2520.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	3	1	254		738.6	Measured	0.292	Calculated	265.6	Measured	0.105	Calculated	392.5	Measured	0.155	Measured	2532.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	4	1	254		757.5	Measured	0.304	Calculated	261.7	Measured	0.105	Calculated	389.2	Measured	0.156	Measured	2494.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	5	1	211		587.7	Measured	0.282	Calculated	218.9	Measured	0.105	Calculated	356.8	Measured	0.171	Measured	2086.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	6	1	155		462.2	Measured	0.287	Calculated	168.8	Measured	0.105	Calculated	220.5	Measured	0.137	Measured	1609.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	7	1	155		462.1	Measured	0.285	Calculated	170.1	Measured	0.105	Calculated	212.5	Measured	0.131	Measured	1622	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	8	1	155		470.1	Measured	0.289	Calculated	170.9	Measured	0.105	Calculated	224.8	Measured	0.138	Measured	1629.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	9	1	154		493.2	Measured	0.299	Calculated	173	Measured	0.105	Calculated	219.4	Measured	0.133	Measured	1649.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	10	1	155		455	Measured	0.277	Calculated	172.4	Measured	0.105	Calculated	221.9	Measured	0.135	Measured	1643.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	11	1	155		452.8	Measured	0.276	Calculated	172.3	Measured	0.105	Calculated	215.2	Measured	0.131	Measured	1642.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	12	1	154		459.6	Measured	0.283	Calculated	170.3	Measured	0.105	Calculated	222.4	Measured	0.137	Measured	1623.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	13	1	154		482.2	Measured	0.296	Calculated	170.7	Measured	0.105	Calculated	219.8	Measured	0.135	Measured	1628	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	14	1	155		473	Measured	0.288	Calculated	172.2	Measured	0.105	Calculated	223.2	Measured	0.136	Measured	1641.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	15	1	154		469	Measured	0.287	Calculated	171.5	Measured	0.105	Calculated	222.4	Measured	0.136	Measured	1635.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	16	1	154		459.7	Measured	0.281	Calculated	171.7	Measured	0.105	Calculated	225.9	Measured	0.138	Measured	1636.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	17	1	155		466.8	Measured	0.285	Calculated	171.9	Measured	0.105	Calculated	226.1	Measured	0.138	Measured	1638.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	18	1	155		483.4	Measured	0.295	Calculated	171.7	Measured	0.105	Calculated	234.1	Measured	0.143	Measured	1636.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	19	1	154		484.2	Measured	0.296	Calculated	171.6	Measured	0.105	Calculated	224.1	Measured	0.137	Measured	1635.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	20	1	154		493	Measured	0.3	Calculated	172.5	Measured	0.105	Calculated	223.7	Measured	0.136	Measured	1644.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	21	1	154		475.1	Measured	0.29	Calculated	171.7	Measured	0.105	Calculated	229.2	Measured	0.14	Measured	1637.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	22	1	155		500	Measured	0.305	Calculated	171.9	Measured	0.105	Calculated	224.5	Measured	0.137	Measured	1638.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/26/2025	23	1	154		583.5	Measured	0.358	Calculated	171.1	Measured	0.105	Calculated	225.2	Measured	0.138	Measured	1631.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	0	1	154		479.9	Measured	0.294	Calculated	171	Measured	0.105	Calculated	221.7	Measured	0.136	Measured	1630.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	1	1	155		469.7	Measured	0.288	Calculated	170.8	Measured	0.105	Calculated	219.8	Measured	0.135	Measured	1628.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	2	1	154		468.3	Measured	0.288	Calculated	170.6	Measured	0.105	Calculated	227.8	Measured	0.14	Measured	1626.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	3	1	155		467.7	Measured	0.287	Calculated	170.7	Measured	0.105	Calculated	229.5	Measured	0.141	Measured	1627.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	4	1	155		462.8	Measured	0.284	Calculated	170.8	Measured	0.105	Calculated	226.4	Measured	0.139	Measured	1628.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	5	1	155		469.2	Measured	0.289	Calculated	170.1	Measured	0.105	Calculated	228.7	Measured	0.141	Measured	1621.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	6	1	154		470.8	Measured	0.29	Calculated	170.2	Measured	0.105	Calculated	230.4	Measured	0.142	Measured	1622.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	7	1	154		465.5	Measured	0.286	Calculated	170.5	Measured	0.105	Calculated	229.2	Measured	0.141	Measured	1625.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	8	1	155		457.5	Measured	0.278	Calculated	172.6	Measured	0.105	Calculated	235.4	Measured	0.143	Measured	1646.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	9	1	154		457.3	Measured	0.277	Calculated	173.4	Measured	0.105	Calculated	228.2	Measured	0.138	Measured	1653.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	10	1	155		440.6	Measured	0.264	Calculated	175.2	Measured	0.105	Calculated	220.5	Measured	0.132	Measured	1670.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	11	1	155		434.5	Measured	0.26	Calculated	175.5	Measured	0.105	Calculated	227.5	Measured	0.136	Measured	1672.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	12	1	154		446.5	Measured	0.27	Calculated	173.6	Measured	0.105	Calculated	226.8	Measured	0.137	Measured	1655.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	13	1	155		449.9	Measured	0.271	Calculated	173.9	Measured	0.105	Calculated	225.5	Measured	0.136	Measured	1658.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	14	1	154		447.9	Measured	0.269	Calculated	174.7	Measured	0.105	Calculated	226.5	Measured	0.136	Measured	1665.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	15	1	155		455.2	Measured	0.272	Calculated	175.8	Measured	0.105	Calculated	231.3	Measured	0.138	Measured	1676	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	16	1	155		452.8	Measured	0.272	Calculated	174.5	Measured	0.105	Calculated	227.9	Measured	0.137	Measured	1663.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	17	1	154		445.6	Measured	0.268	Calculated	174.1	Measured	0.105	Calculated	225.8	Measured	0.136	Measured	1660.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	18	1	154		445.5	Measured	0.269	Calculated	173.9	Measured	0.105	Calculated	225.5	Measured	0.136	Measured	1658.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	19	1	158		441.7	Measured	0.261	Calculated	177.6	Measured	0.105	Calculated	235.4	Measured	0.139	Measured	1693.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	20	1	160		432.1	Measured	0.254	Calculated	178.7	Measured	0.105	Calculated	233.5	Measured	0.137	Measured	1704.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	21	1	160		443.1	Measured	0.26	Calculated	178.6	Measured	0.105	Calculated	245.2	Measured	0.144	Measured	1703	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	22	1	160		457.5	Measured	0.268	Calculated	179.4	Measured	0.105	Calculated	249.7	Measured	0.146	Measured	1710.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/27/2025	23	1	160		459.8	Measured	0.27	Calculated	178.8	Measured	0.105	Calculated	254.1	Measured	0.149	Measured	1705.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	0	1	160		461.8	Measured	0.272	Calculated	177.8	Measured	0.105	Calculated	252.6	Measured	0.149	Measured	1695.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	1	1	160		469.7	Measured	0.276	Calculated	178.3	Measured	0.105	Calculated	241.4	Measured	0.142	Measured	1700.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	2	1	159		475.5	Measured	0.282	Calculated	177	Measured	0.105	Calculated	234.6	Measured	0.139	Measured	1688	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	3	1	160		465.1	Measured	0.275	Calculated	177.3	Measured	0.105	Calculated	236.6	Measured	0.14	Measured	1690.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	4	1	159		431.6	Measured	0.259	Calculated	174.6	Measured	0.105	Calculated	236.5	Measured	0.142	Measured	1665.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	5	1	160		443.1	Measured	0.261	Calculated	177.8	Measured	0.105	Calculated	252.6	Measured	0.149	Measured	1695.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	6	1	160		447.3	Measured	0.264	Calculated	177.4	Measured	0.105	Calculated	255.4	Measured	0.151	Measured	1691.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	7	1	159		457.7	Measured	0.27	Calculated	177.7	Measured	0.105	Calculated	257.5	Measured	0.152	Measured	1694	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	8	1	160		441.5	Measured	0.261	Calculated	177.3	Measured	0.105	Calculated	253.6	Measured	0.15	Measured	1690.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	9	1	160		456.6	Measured	0.269	Calculated	178.1	Measured	0.105	Calculated	254.8	Measured	0.15	Measured	1698.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	10	1	159		447.6	Measured	0.264	Calculated	177.9	Measured	0.105	Calculated	254.4	Measured	0.15	Measured	1696.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	11	1	164		457.8	Measured	0.266	Calculated	180.6	Measured	0.105	Calculated	253.2	Measured	0.147	Measured	1722.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	12	1	165		467.2	Measured	0.268	Calculated	182.8	Measured	0.105	Calculated	249.2	Measured	0.143	Measured	1742.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	13	1	165		475.1	Measured	0.271	Calculated	183.6	Measured	0.105	Calculated	252.1	Measured	0.144	Measured	1750.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	14	1	164		473.3	Measured	0.272	Calculated	182.2	Measured	0.105	Calculated	253.6	Measured	0.146	Measured	1737.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	15	1	165		459.2	Measured	0.262	Calculated	183.9	Measured	0.105	Calculated	248.9	Measured	0.142	Measured	1753.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	16	1	165		465.6	Measured	0.268	Calculated	182.5	Measured	0.105	Calculated	247.1	Measured	0.142	Measured	1740	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	17	1	165		468.9	Measured	0.269	Calculated	183	Measured	0.105	Calculated	246.1	Measured	0.141	Measured	1745.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	18	1	165		474.2	Measured	0.27	Calculated	184	Measured	0.105	Calculated	238.6	Measured	0.136	Measured	1754.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	19	1	165		474.9	Measured	0.272	Calculated	182.8	Measured	0.105	Calculated	240.5	Measured	0.138	Measured	1743	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	20	1	164		476.8	Measured	0.274	Calculated	182.6	Measured	0.105	Calculated	247.3	Measured	0.142	Measured	1741.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	21	1	164		485.4	Measured	0.277	Calculated	183.9	Measured	0.105	Calculated	245.5	Measured	0.14	Measured	1753.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	22	1	165		489.3	Measured	0.281	Calculated	182.7	Measured	0.105	Calculated	240.5	Measured	0.138	Measured	1742.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/28/2025	23	1	164		530.1	Measured	0.307	Calculated	181.4	Measured	0.105	Calculated	238.7	Measured	0.138	Measured	1729.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	0	1	161		448.1	Measured	0.263	Calculated	178.8	Measured	0.105	Calculated	238.7	Measured	0.14	Measured	1704.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	1	1	163		451.6	Measured	0.26	Calculated	182.2	Measured	0.105	Calculated	237.9	Measured	0.137	Measured	1736.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	2	1	163		452.7	Measured	0.262	Calculated	181.6	Measured	0.105	Calculated	242.4	Measured	0.14	Measured	1731.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	3	1	163		452.3	Measured	0.263	Calculated	180.6	Measured	0.105	Calculated	241	Measured	0.14	Measured	1721.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	4	1	163		447	Measured	0.261	Calculated	179.9	Measured	0.105	Calculated	240.2	Measured	0.14	Measured	1715.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	5	1	163		460.9	Measured	0.264	Calculated	182.8	Measured	0.105	Calculated	242.3	Measured	0.139	Measured	1743	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	6	1	163		474.4	Measured	0.271	Calculated	183.3	Measured	0.105	Calculated	246.5	Measured	0.141	Measured	1747.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	7	1	163		481.9	Measured	0.279	Calculated	180.9	Measured	0.105	Calculated	236.2	Measured	0.137	Measured	1724.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	8	1	163		475.6	Measured	0.276	Calculated	180.9	Measured	0.105	Calculated	236.4	Measured	0.137	Measured	1725.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	9	1	163		466.7	Measured	0.27	Calculated	181.2	Measured	0.105	Calculated	231.6	Measured	0.134	Measured	1728.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	10	1	164		477.7	Measured	0.277	Calculated	181.2	Measured	0.105	Calculated	236.7	Measured	0.137	Measured	1727.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	11	1	163		471	Measured	0.274	Calculated	180.4	Measured	0.105	Calculated	242.5	Measured	0.141	Measured	1720.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	12	1	163		467.6	Measured	0.271	Calculated	180.7	Measured	0.105	Calculated	239.5	Measured	0.139	Measured	1722.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	13	1	163		449.3	Measured	0.262	Calculated	180.1	Measured	0.105	Calculated	243.8	Measured	0.142	Measured	1717.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	14	1	163		455.5	Measured	0.265	Calculated	180.3	Measured	0.105	Calculated	245.9	Measured	0.143	Measured	1719.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	15	1	163		458.7	Measured	0.267	Calculated	180.5	Measured	0.105	Calculated	241	Measured	0.14	Measured	1721.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	16	1	163		467.1	Measured	0.272	Calculated	180	Measured	0.105	Calculated	238.5	Measured	0.139	Measured	1716	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	17	1	163		462	Measured	0.268	Calculated	181	Measured	0.105	Calculated	233	Measured	0.135	Measured	1726	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	18	1	164		466.7	Measured	0.269	Calculated	182	Measured	0.105	Calculated	235.9	Measured	0.136	Measured	1734.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	19	1	164		492.9	Measured	0.286	Calculated	180.5	Measured	0.105	Calculated	235.8	Measured	0.137	Measured	1721.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	20	1	162		483.3	Measured	0.281	Calculated	180.6	Measured	0.105	Calculated	242.9	Measured	0.141	Measured	1722.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	21	1	163		464.9	Measured	0.269	Calculated	181.1	Measured	0.105	Calculated	246.9	Measured	0.143	Measured	1726.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	22	1	163		459.2	Measured	0.267	Calculated	180.5	Measured	0.105	Calculated	246.1	Measured	0.143	Measured	1721	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/29/2025	23	1	163		461.1	Measured	0.269	Calculated	179.6	Measured	0.105	Calculated	238.1	Measured	0.139	Measured	1712.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	0	1	163		463.7	Measured	0.27	Calculated	180.3	Measured	0.105	Calculated	230.3	Measured	0.134	Measured	1718.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	1	1	163		460.5	Measured	0.267	Calculated	180.6	Measured	0.105	Calculated	232.5	Measured	0.135	Measured	1722.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	2	1	163		449.7	Measured	0.262	Calculated	180.3	Measured	0.105	Calculated	238.9	Measured	0.139	Measured	1718.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	3	1	163		451.2	Measured	0.262	Calculated	180.9	Measured	0.105	Calculated	246.6	Measured	0.143	Measured	1724.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	4	1	163		462.7	Measured	0.27	Calculated	179.7	Measured	0.105	Calculated	246.8	Measured	0.144	Measured	1713.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	5	1	163		469.3	Measured	0.27	Calculated	182.1	Measured	0.105	Calculated	250	Measured	0.144	Measured	1736.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		8/30/2025	6	1	163		481.5	Measured	0.279	Calculated	180.8	Measured	0.105	Calculated	248.3	Measured	0.144	Measured	1724.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	7	1	163		476.3	Measured	0.277	Calculated	180.7	Measured	0.105	Calculated	230.8	Measured	0.134	Measured	1722.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	8	1	163		473.6	Measured	0.275	Calculated	180.3	Measured	0.105	Calculated	228.7	Measured	0.133	Measured	1719.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	9	1	163		472.3	Measured	0.271	Calculated	182.9	Measured	0.105	Calculated	231.9	Measured	0.133	Measured	1743.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	10	1	163		466.1	Measured	0.269	Calculated	181.4	Measured	0.105	Calculated	242.2	Measured	0.14	Measured	1729.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	11	1	163		463.7	Measured	0.267	Calculated	182.5	Measured	0.105	Calculated	247.1	Measured	0.142	Measured	1739.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	12	1	164		464	Measured	0.267	Calculated	182	Measured	0.105	Calculated	248.2	Measured	0.143	Measured	1735.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	13	1	163		466.7	Measured	0.269	Calculated	181.8	Measured	0.105	Calculated	247.9	Measured	0.143	Measured	1733.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	14	1	163		467.6	Measured	0.269	Calculated	182.5	Measured	0.105	Calculated	248.9	Measured	0.143	Measured	1740.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	15	1	163		469	Measured	0.27	Calculated	182.2	Measured	0.105	Calculated	244.9	Measured	0.141	Measured	1737	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	16	1	163		468.8	Measured	0.271	Calculated	181.2	Measured	0.105	Calculated	243.6	Measured	0.141	Measured	1727.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	17	1	163		458.6	Measured	0.265	Calculated	181.6	Measured	0.105	Calculated	235.4	Measured	0.136	Measured	1731.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	18	1	163		468.1	Measured	0.27	Calculated	181.8	Measured	0.105	Calculated	242.7	Measured	0.14	Measured	1733.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	19	1	162		444.3	Measured	0.256	Calculated	181.9	Measured	0.105	Calculated	239.4	Measured	0.138	Measured	1734.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	20	1	163		446.6	Measured	0.257	Calculated	182.4	Measured	0.105	Calculated	253.9	Measured	0.146	Measured	1739.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	21	1	164		466.4	Measured	0.268	Calculated	182.6	Measured	0.105	Calculated	257.7	Measured	0.148	Measured	1741.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	22	1	164		468.5	Measured	0.269	Calculated	182.7	Measured	0.105	Calculated	254.3	Measured	0.146	Measured	1741.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/30/2025	23	1	163		456.6	Measured	0.265	Calculated	180.4	Measured	0.105	Calculated	254.6	Measured	0.148	Measured	1720.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	0	1	163		457.8	Measured	0.265	Calculated	180.9	Measured	0.105	Calculated	251.8	Measured	0.146	Measured	1724.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	1	1	163		465.6	Measured	0.271	Calculated	180.5	Measured	0.105	Calculated	246.1	Measured	0.143	Measured	1721	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	2	1	163		457.2	Measured	0.267	Calculated	179.7	Measured	0.105	Calculated	241.6	Measured	0.141	Measured	1713.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	3	1	163		469.9	Measured	0.271	Calculated	181.6	Measured	0.105	Calculated	238.9	Measured	0.138	Measured	1731.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	4	1	163		447.8	Measured	0.264	Calculated	178.1	Measured	0.105	Calculated	242.8	Measured	0.143	Measured	1698	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	5	1	163		467.3	Measured	0.271	Calculated	181.2	Measured	0.105	Calculated	252.2	Measured	0.146	Measured	1727.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	6	1	163		473.3	Measured	0.271	Calculated	182.9	Measured	0.105	Calculated	244.1	Measured	0.14	Measured	1743.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	7	1	164		509.1	Measured	0.294	Calculated	181.8	Measured	0.105	Calculated	242.7	Measured	0.14	Measured	1733.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	8	1	163		494.9	Measured	0.286	Calculated	181.7	Measured	0.105	Calculated	242.5	Measured	0.14	Measured	1732	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	9	1	162		456.1	Measured	0.262	Calculated	182.6	Measured	0.105	Calculated	247.3	Measured	0.142	Measured	1741.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	10	1	164		468.3	Measured	0.268	Calculated	183	Measured	0.105	Calculated	242.5	Measured	0.139	Measured	1744.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	11	1	163		465.9	Measured	0.269	Calculated	181.9	Measured	0.105	Calculated	244.6	Measured	0.141	Measured	1734.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	12	1	163		455.2	Measured	0.262	Calculated	182.5	Measured	0.105	Calculated	238.3	Measured	0.137	Measured	1739.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	13	1	163		449.7	Measured	0.259	Calculated	182.3	Measured	0.105	Calculated	243.4	Measured	0.14	Measured	1738.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	14	1	163		447.3	Measured	0.256	Calculated	183.2	Measured	0.105	Calculated	241	Measured	0.138	Measured	1746.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	15	1	163		429.9	Measured	0.246	Calculated	183.1	Measured	0.105	Calculated	251.4	Measured	0.144	Measured	1745.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	16	1	163		412.9	Measured	0.235	Calculated	183.9	Measured	0.105	Calculated	254.3	Measured	0.145	Measured	1753.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	17	1	164		441.6	Measured	0.251	Calculated	184.3	Measured	0.105	Calculated	242.5	Measured	0.138	Measured	1757	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	18	1	164		475.6	Measured	0.27	Calculated	184.7	Measured	0.105	Calculated	250.1	Measured	0.142	Measured	1761.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	19	1	162		441.9	Measured	0.254	Calculated	182.8	Measured	0.105	Calculated	256.2	Measured	0.147	Measured	1743	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	20	1	163		437.6	Measured	0.251	Calculated	183	Measured	0.105	Calculated	254.7	Measured	0.146	Measured	1744.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	21	1	164		452.8	Measured	0.258	Calculated	183.9	Measured	0.105	Calculated	243.7	Measured	0.139	Measured	1753.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	22	1	163		454.2	Measured	0.26	Calculated	183.1	Measured	0.105	Calculated	247.9	Measured	0.142	Measured	1746	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		8/31/2025	23	1	163		452.6	Measured	0.261	Calculated	182	Measured	0.105	Calculated	249.9	Measured	0.144	Measured	1735.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	0	1	163		452.9	Measured	0.262	Calculated	181.3	Measured	0.105	Calculated	247.3	Measured	0.143	Measured	1729.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	1	1	163		451.8	Measured	0.263	Calculated	180.3	Measured	0.105	Calculated	240.7	Measured	0.14	Measured	1719.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	2	1	163		489	Measured	0.283	Calculated	181.2	Measured	0.105	Calculated	245.3	Measured	0.142	Measured	1727.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	3	1	163		479.4	Measured	0.279	Calculated	180.4	Measured	0.105	Calculated	242.6	Measured	0.141	Measured	1720.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	4	1	163		517.5	Measured	0.303	Calculated	179.3	Measured	0.105	Calculated	242.8	Measured	0.142	Measured	1709.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	5	1	163		488.3	Measured	0.285	Calculated	179.9	Measured	0.105	Calculated	243.6	Measured	0.142	Measured	1715.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	6	1	164		439	Measured	0.256	Calculated	180.2	Measured	0.105	Calculated	254.2	Measured	0.148	Measured	1717.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	7	1	163		446.8	Measured	0.259	Calculated	180.6	Measured	0.105	Calculated	229	Measured	0.133	Measured	1721.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	8	1	163		472.1	Measured	0.272	Calculated	181.9	Measured	0.105	Calculated	232.4	Measured	0.134	Measured	1734.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	9	1	163		467.8	Measured	0.268	Calculated	183.4	Measured	0.105	Calculated	246.5	Measured	0.141	Measured	1748.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	10	1	163		467.2	Measured	0.267	Calculated	183.8	Measured	0.105	Calculated	261.1	Measured	0.149	Measured	1752.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	11	1	163		468.9	Measured	0.266	Calculated	184.6	Measured	0.105	Calculated	260.5	Measured	0.148	Measured	1760	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	12	1	163		456.2	Measured	0.26	Calculated	183.9	Measured	0.105	Calculated	259.5	Measured	0.148	Measured	1753.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	13	1	164		447.7	Measured	0.256	Calculated	183.7	Measured	0.105	Calculated	262.7	Measured	0.15	Measured	1751.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	14	1	163		452.4	Measured	0.257	Calculated	184.5	Measured	0.105	Calculated	260.4	Measured	0.148	Measured	1759.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	15	1	163		457.8	Measured	0.262	Calculated	183.6	Measured	0.105	Calculated	250.3	Measured	0.143	Measured	1750.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	16	1	163		437	Measured	0.25	Calculated	183.3	Measured	0.105	Calculated	246.4	Measured	0.141	Measured	1747.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	17	1	163		435.8	Measured	0.248	Calculated	184	Measured	0.105	Calculated	254.3	Measured	0.145	Measured	1754	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	18	1	164		452.8	Measured	0.261	Calculated	181.9	Measured	0.105	Calculated	256.6	Measured	0.148	Measured	1733.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	19	1	162		421.7	Measured	0.245	Calculated	180.8	Measured	0.105	Calculated	253.4	Measured	0.147	Measured	1724	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	20	1	164		433.5	Measured	0.247	Calculated	183.8	Measured	0.105	Calculated	247.1	Measured	0.141	Measured	1752.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	21	1	163		444.1	Measured	0.254	Calculated	183.1	Measured	0.105	Calculated	260.1	Measured	0.149	Measured	1745.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	22	1	164		456.6	Measured	0.262	Calculated	182.5	Measured	0.105	Calculated	264.5	Measured	0.152	Measured	1740.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/1/2025	23	1	163		450.3	Measured	0.261	Calculated	180.6	Measured	0.105	Calculated	279	Measured	0.162	Measured	1722.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	0	1	163		454.3	Measured	0.263	Calculated	181.4	Measured	0.105	Calculated	275	Measured	0.159	Measured	1729.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	1	1	163		467.8	Measured	0.271	Calculated	181.4	Measured	0.105	Calculated	264.6	Measured	0.153	Measured	1729.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	2	1	163		459.9	Measured	0.266	Calculated	181	Measured	0.105	Calculated	255.4	Measured	0.148	Measured	1726	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	3	1	164		454.9	Measured	0.265	Calculated	180.2	Measured	0.105	Calculated	252.5	Measured	0.147	Measured	1717.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	4	1	163		436.2	Measured	0.257	Calculated	177.9	Measured	0.105	Calculated	274.8	Measured	0.162	Measured	1696.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	5	1	163		451.2	Measured	0.262	Calculated	180.9	Measured	0.105	Calculated	262.2	Measured	0.152	Measured	1725.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	6	1	164		449.4	Measured	0.263	Calculated	179.5	Measured	0.105	Calculated	265.3	Measured	0.155	Measured	1711.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	7	1	163		598	Measured	0.349	Calculated	179.6	Measured	0.105	Calculated	272.3	Measured	0.159	Measured	1712.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	8	1	163		617.7	Measured	0.349	Calculated	185.8	Measured	0.105	Calculated	274.7	Measured	0.155	Measured	1772	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	9	1	163		482.1	Measured	0.27	Calculated	187	Measured	0.105	Calculated	269.3	Measured	0.151	Measured	1783.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	10	1	163		425.5	Measured	0.237	Calculated	188.2	Measured	0.105	Calculated	262	Measured	0.146	Measured	1794.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	11	1	163		415.8	Measured	0.232	Calculated	187.7	Measured	0.105	Calculated	254.2	Measured	0.142	Measured	1790.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	12	1	163		452.1	Measured	0.25	Calculated	189.9	Measured	0.105	Calculated	257.1	Measured	0.142	Measured	1810.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	13	1	163		454.7	Measured	0.25	Calculated	190.4	Measured	0.105	Calculated	261.4	Measured	0.144	Measured	1815.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	14	1	163		452.9	Measured	0.248	Calculated	191.3	Measured	0.105	Calculated	251.7	Measured	0.138	Measured	1823.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	15	1	163		465.3	Measured	0.257	Calculated	189.7	Measured	0.105	Calculated	253.3	Measured	0.14	Measured	1809.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	16	1	163		468.6	Measured	0.259	Calculated	189.9	Measured	0.105	Calculated	255.3	Measured	0.141	Measured	1810.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	17	1	163		466.2	Measured	0.259	Calculated	189.1	Measured	0.105	Calculated	245.2	Measured	0.136	Measured	1803.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	18	1	164		469.2	Measured	0.258	Calculated	190.4	Measured	0.105	Calculated	239.7	Measured	0.132	Measured	1815.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	19	1	164		548.7	Measured	0.303	Calculated	190.1	Measured	0.105	Calculated	248.3	Measured	0.137	Measured	1812.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	20	1	163		538.1	Measured	0.298	Calculated	189.1	Measured	0.105	Calculated	263.2	Measured	0.146	Measured	1802.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	21	1	163		471.7	Measured	0.263	Calculated	187.9	Measured	0.105	Calculated	261.5	Measured	0.146	Measured	1791.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	22	1	163		430.2	Measured	0.239	Calculated	188.5	Measured	0.105	Calculated	253.5	Measured	0.141	Measured	1797.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/2/2025	23	1	163		439.5	Measured	0.245	Calculated	188.4	Measured	0.105	Calculated	246.2	Measured	0.137	Measured	1796.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	0	1	163		364	Measured	0.203	Calculated	187.9	Measured	0.105	Calculated	231.1	Measured	0.129	Measured	1791.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	1	1	163		442.5	Measured	0.246	Calculated	188.7	Measured	0.105	Calculated	235.7	Measured	0.131	Measured	1799.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	2	1	163		460.2	Measured	0.256	Calculated	188.4	Measured	0.105	Calculated	233.5	Measured	0.13	Measured	1796.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	3	1	164		468.2	Measured	0.259	Calculated	189.4	Measured	0.105	Calculated	242	Measured	0.134	Measured	1806.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	4	1	163		457.2	Measured	0.257	Calculated	186.8	Measured	0.105	Calculated	242.2	Measured	0.136	Measured	1781.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	5	1	163		455.7	Measured	0.252	Calculated	189.4	Measured	0.105	Calculated	252.8	Measured	0.14	Measured	1806	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	6	1	163		455.1	Measured	0.252	Calculated	189.8	Measured	0.105	Calculated	251.5	Measured	0.139	Measured	1809.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	7	1	163		459.1	Measured	0.253	Calculated	190	Measured	0.105	Calculated	248.2	Measured	0.137	Measured	1811.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	8	1	163		451.7	Measured	0.252	Calculated	188.3	Measured	0.105	Calculated	247.8	Measured	0.138	Measured	1795.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	9	1	163		448.2	Measured	0.251	Calculated	187.3	Measured	0.105	Calculated	237.5	Measured	0.133	Measured	1785.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	10	1	163		444.5	Measured	0.251	Calculated	185.5	Measured	0.105	Calculated	247.6	Measured	0.14	Measured	1768.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	11	1	163		437.8	Measured	0.247	Calculated	185.9	Measured	0.105	Calculated	258.8	Measured	0.146	Measured	1772.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	12	1	163		439.1	Measured	0.248	Calculated	185.6	Measured	0.105	Calculated	247.7	Measured	0.14	Measured	1769.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	13	1	163		441.6	Measured	0.251	Calculated	184.4	Measured	0.105	Calculated	249.7	Measured	0.142	Measured	1758.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	14	1	163		438.8	Measured	0.247	Calculated	186.1	Measured	0.105	Calculated	241.3	Measured	0.136	Measured	1774.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	15	1	163		440	Measured	0.249	Calculated	185.3	Measured	0.105	Calculated	245.6	Measured	0.139	Measured	1767.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	16	1	163		418.9	Measured	0.238	Calculated	184.5	Measured	0.105	Calculated	241	Measured	0.137	Measured	1758.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	17	1	163		411.1	Measured	0.233	Calculated	185.3	Measured	0.105	Calculated	250.9	Measured	0.142	Measured	1766.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	18	1	163		411.1	Measured	0.234	Calculated	184.4	Measured	0.105	Calculated	251.4	Measured	0.143	Measured	1758.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	19	1	163		399.5	Measured	0.227	Calculated	184.3	Measured	0.105	Calculated	247.8	Measured	0.141	Measured	1757.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	20	1	163		392.3	Measured	0.222	Calculated	185	Measured	0.105	Calculated	238.1	Measured	0.135	Measured	1763.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	21	1	163		386.3	Measured	0.221	Calculated	183.7	Measured	0.105	Calculated	238.2	Measured	0.136	Measured	1751.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	22	1	163		390.5	Measured	0.223	Calculated	183.6	Measured	0.105	Calculated	239.9	Measured	0.137	Measured	1751	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/3/2025	23	1	163		395.2	Measured	0.225	Calculated	183.8	Measured	0.105	Calculated	240.1	Measured	0.137	Measured	1752.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	0	1	163		389.3	Measured	0.222	Calculated	183.5	Measured	0.105	Calculated	238	Measured	0.136	Measured	1749.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	1	1	164		403.1	Measured	0.231	Calculated	182.7	Measured	0.105	Calculated	236.9	Measured	0.136	Measured	1742	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	2	1	163		408.1	Measured	0.235	Calculated	182.4	Measured	0.105	Calculated	231.3	Measured	0.133	Measured	1739.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	3	1	163		410.4	Measured	0.235	Calculated	182.8	Measured	0.105	Calculated	233.6	Measured	0.134	Measured	1743.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	4	1	163		404.1	Measured	0.234	Calculated	181.5	Measured	0.105	Calculated	231.9	Measured	0.134	Measured	1730.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	5	1	163		408.3	Measured	0.234	Calculated	183.1	Measured	0.105	Calculated	239.1	Measured	0.137	Measured	1745.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	6	1	163		410	Measured	0.234	Calculated	184.1	Measured	0.105	Calculated	238.7	Measured	0.136	Measured	1755	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	7	1	163		409	Measured	0.233	Calculated	183.9	Measured	0.105	Calculated	247.2	Measured	0.141	Measured	1753.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	8	1	163		406.3	Measured	0.235	Calculated	181.4	Measured	0.105	Calculated	242.2	Measured	0.14	Measured	1729.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	9	1	163		408.3	Measured	0.235	Calculated	182.3	Measured	0.105	Calculated	227.7	Measured	0.131	Measured	1737.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	10	1	163		407.6	Measured	0.235	Calculated	182.2	Measured	0.105	Calculated	236.2	Measured	0.136	Measured	1737.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	11	1	163		413.6	Measured	0.238	Calculated	182.4	Measured	0.105	Calculated	245.2	Measured	0.141	Measured	1738.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	12	1	164		414.7	Measured	0.238	Calculated	183.1	Measured	0.105	Calculated	240.9	Measured	0.138	Measured	1745.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	13	1	163		411.8	Measured	0.236	Calculated	182.8	Measured	0.105	Calculated	238.8	Measured	0.137	Measured	1743.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	14	1	163		405.7	Measured	0.234	Calculated	182	Measured	0.105	Calculated	239.4	Measured	0.138	Measured	1735	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	15	1	163		397.4	Measured	0.228	Calculated	182.8	Measured	0.105	Calculated	245.7	Measured	0.141	Measured	1742.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	16	1	160		379.9	Measured	0.222	Calculated	179.3	Measured	0.105	Calculated	239.3	Measured	0.14	Measured	1709.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	17	1	160		379.9	Measured	0.221	Calculated	180	Measured	0.105	Calculated	231.6	Measured	0.135	Measured	1715.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	18	1	160		380.2	Measured	0.223	Calculated	179	Measured	0.105	Calculated	235.5	Measured	0.138	Measured	1706.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	19	1	160		374	Measured	0.22	Calculated	178.1	Measured	0.105	Calculated	232.6	Measured	0.137	Measured	1697.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	20	1	160		374.3	Measured	0.22	Calculated	178.2	Measured	0.105	Calculated	242.9	Measured	0.143	Measured	1698.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	21	1	160		369.5	Measured	0.218	Calculated	178.1	Measured	0.105	Calculated	247.9	Measured	0.146	Measured	1698	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	22	1	160		382.3	Measured	0.225	Calculated	178	Measured	0.105	Calculated	246.1	Measured	0.145	Measured	1696.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/4/2025	23	1	160		421.1	Measured	0.248	Calculated	177.8	Measured	0.105	Calculated	240.7	Measured	0.142	Measured	1695	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	0	1	160		382.6	Measured	0.228	Calculated	175.7	Measured	0.105	Calculated	236.2	Measured	0.141	Measured	1675.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		9/5/2025	1	1	160		403.6	Measured	0.239	Calculated	177.4	Measured	0.105	Calculated	228.3	Measured	0.135	Measured	1691.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	2	1	160		424.1	Measured	0.25	Calculated	177.8	Measured	0.105	Calculated	240.8	Measured	0.142	Measured	1695.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	3	1	160		426.8	Measured	0.251	Calculated	178.4	Measured	0.105	Calculated	236.4	Measured	0.139	Measured	1701	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	4	1	160		411.9	Measured	0.245	Calculated	176.2	Measured	0.105	Calculated	248.6	Measured	0.148	Measured	1680	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	5	1	160		417.6	Measured	0.247	Calculated	177.6	Measured	0.105	Calculated	255.7	Measured	0.151	Measured	1693.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	6	1	160		421.1	Measured	0.249	Calculated	177.6	Measured	0.105	Calculated	257.3	Measured	0.152	Measured	1692.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	7	1	160		428.6	Measured	0.252	Calculated	178.4	Measured	0.105	Calculated	260.2	Measured	0.153	Measured	1700.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	8	1	160		432.4	Measured	0.255	Calculated	178	Measured	0.105	Calculated	254.5	Measured	0.15	Measured	1696.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	9	1	160		424.6	Measured	0.251	Calculated	177.4	Measured	0.105	Calculated	250.4	Measured	0.148	Measured	1691.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	10	1	160		415.7	Measured	0.247	Calculated	176.8	Measured	0.105	Calculated	246.2	Measured	0.146	Measured	1686.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	11	1	160		413.8	Measured	0.244	Calculated	178	Measured	0.105	Calculated	239.3	Measured	0.141	Measured	1697	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	12	1	161		427.9	Measured	0.252	Calculated	178.1	Measured	0.105	Calculated	237.7	Measured	0.14	Measured	1698.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	13	1	160		489.7	Measured	0.287	Calculated	178.7	Measured	0.105	Calculated	243.6	Measured	0.143	Measured	1703.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	14	1	160		382.6	Measured	0.225	Calculated	178.2	Measured	0.105	Calculated	231.1	Measured	0.136	Measured	1699.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	15	1	160		390.6	Measured	0.23	Calculated	178	Measured	0.105	Calculated	237.6	Measured	0.14	Measured	1697.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	16	1	160		442.5	Measured	0.259	Calculated	178.9	Measured	0.105	Calculated	242.3	Measured	0.142	Measured	1706.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	17	1	160		409.6	Measured	0.242	Calculated	177.6	Measured	0.105	Calculated	230.3	Measured	0.136	Measured	1693.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	18	1	160		457.3	Measured	0.269	Calculated	178.4	Measured	0.105	Calculated	239.8	Measured	0.141	Measured	1700.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	19	1	160		484.4	Measured	0.284	Calculated	178.6	Measured	0.105	Calculated	240.1	Measured	0.141	Measured	1702.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	20	1	160		353.7	Measured	0.207	Calculated	179.2	Measured	0.105	Calculated	240.9	Measured	0.141	Measured	1708.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	21	1	160		408.4	Measured	0.24	Calculated	178.5	Measured	0.105	Calculated	243.3	Measured	0.143	Measured	1701.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	22	1	160		446.6	Measured	0.263	Calculated	178.2	Measured	0.105	Calculated	241.2	Measured	0.142	Measured	1698.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/5/2025	23	1	160		404.9	Measured	0.237	Calculated	179	Measured	0.105	Calculated	244	Measured	0.143	Measured	1706.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	0	1	160		458.4	Measured	0.271	Calculated	177.7	Measured	0.105	Calculated	238.9	Measured	0.141	Measured	1694.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	1	1	160		472.3	Measured	0.278	Calculated	177.9	Measured	0.105	Calculated	235.8	Measured	0.139	Measured	1696.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	2	1	160		364.7	Measured	0.217	Calculated	176.7	Measured	0.105	Calculated	227.4	Measured	0.135	Measured	1684.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	3	1	160		405.2	Measured	0.238	Calculated	178.5	Measured	0.105	Calculated	228	Measured	0.134	Measured	1701.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	4	1	160		435.1	Measured	0.259	Calculated	176.2	Measured	0.105	Calculated	242	Measured	0.144	Measured	1680.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	5	1	160		432.9	Measured	0.254	Calculated	178.8	Measured	0.105	Calculated	245.5	Measured	0.144	Measured	1705.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	6	1	161		423.8	Measured	0.249	Calculated	178.5	Measured	0.105	Calculated	245.1	Measured	0.144	Measured	1702.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	7	1	160		426.1	Measured	0.25	Calculated	178.7	Measured	0.105	Calculated	245.3	Measured	0.144	Measured	1703.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	8	1	160		430.1	Measured	0.254	Calculated	177.9	Measured	0.105	Calculated	232.4	Measured	0.137	Measured	1696	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	9	1	160		426.2	Measured	0.25	Calculated	179.1	Measured	0.105	Calculated	237.4	Measured	0.139	Measured	1707.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	10	1	160		422.8	Measured	0.248	Calculated	179.1	Measured	0.105	Calculated	235.6	Measured	0.138	Measured	1707.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	11	1	160		418.5	Measured	0.246	Calculated	178.6	Measured	0.105	Calculated	236.7	Measured	0.139	Measured	1703.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	12	1	161		428.1	Measured	0.252	Calculated	178.4	Measured	0.105	Calculated	234.7	Measured	0.138	Measured	1700.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	13	1	160		435.3	Measured	0.256	Calculated	178.6	Measured	0.105	Calculated	228.2	Measured	0.134	Measured	1703.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	14	1	161		446.1	Measured	0.262	Calculated	178.5	Measured	0.105	Calculated	233.2	Measured	0.137	Measured	1702.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	15	1	160		426.8	Measured	0.251	Calculated	178.6	Measured	0.105	Calculated	231.6	Measured	0.136	Measured	1702.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	16	1	161		430.6	Measured	0.253	Calculated	178.5	Measured	0.105	Calculated	228	Measured	0.134	Measured	1701.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	17	1	160		427.9	Measured	0.252	Calculated	178.3	Measured	0.105	Calculated	227.8	Measured	0.134	Measured	1699.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	18	1	160		417.3	Measured	0.246	Calculated	178.1	Measured	0.105	Calculated	224.2	Measured	0.132	Measured	1698.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	19	1	160		431.5	Measured	0.255	Calculated	177.5	Measured	0.105	Calculated	225.1	Measured	0.133	Measured	1692.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	20	1	160		431.7	Measured	0.253	Calculated	179.3	Measured	0.105	Calculated	235.9	Measured	0.138	Measured	1709.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	21	1	160		427.3	Measured	0.252	Calculated	177.9	Measured	0.105	Calculated	237.4	Measured	0.14	Measured	1695.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	22	1	160		442.9	Measured	0.261	Calculated	178	Measured	0.105	Calculated	239.3	Measured	0.141	Measured	1697.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/6/2025	23	1	160		522.9	Measured	0.309	Calculated	177.5	Measured	0.105	Calculated	238.6	Measured	0.141	Measured	1692.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	0	1	160		409.6	Measured	0.242	Calculated	177.8	Measured	0.105	Calculated	233.9	Measured	0.138	Measured	1695.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	1	1	160		424.4	Measured	0.251	Calculated	177.6	Measured	0.105	Calculated	233.7	Measured	0.138	Measured	1693.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	2	1	160		425.3	Measured	0.251	Calculated	177.6	Measured	0.105	Calculated	237.1	Measured	0.14	Measured	1693.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	3	1	160		432.3	Measured	0.255	Calculated	177.6	Measured	0.105	Calculated	233.7	Measured	0.138	Measured	1693.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	4	1	160		421.8	Measured	0.251	Calculated	176.5	Measured	0.105	Calculated	228.8	Measured	0.136	Measured	1682.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	5	1	160		422.4	Measured	0.247	Calculated	179.1	Measured	0.105	Calculated	235.6	Measured	0.138	Measured	1707.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	6	1	160		428.5	Measured	0.251	Calculated	179.1	Measured	0.105	Calculated	239.1	Measured	0.14	Measured	1707.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	7	1	160		429.5	Measured	0.253	Calculated	178.4	Measured	0.105	Calculated	226.2	Measured	0.133	Measured	1700.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	8	1	160		429.3	Measured	0.253	Calculated	177.7	Measured	0.105	Calculated	223.7	Measured	0.132	Measured	1694.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	9	1	160		426.8	Measured	0.25	Calculated	179	Measured	0.105	Calculated	228.8	Measured	0.134	Measured	1707.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	10	1	160		426	Measured	0.249	Calculated	179.2	Measured	0.105	Calculated	235.8	Measured	0.138	Measured	1709	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	11	1	160		424.8	Measured	0.248	Calculated	179.3	Measured	0.105	Calculated	237.7	Measured	0.139	Measured	1709.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	12	1	160		424.8	Measured	0.247	Calculated	180.3	Measured	0.105	Calculated	237.3	Measured	0.138	Measured	1719.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	13	1	160		427.2	Measured	0.25	Calculated	178.9	Measured	0.105	Calculated	242.2	Measured	0.142	Measured	1705.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	14	1	161		427.9	Measured	0.248	Calculated	180.7	Measured	0.105	Calculated	242.9	Measured	0.141	Measured	1722.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	15	1	160		429.4	Measured	0.251	Calculated	179.7	Measured	0.105	Calculated	238.1	Measured	0.139	Measured	1713.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	16	1	160		429.2	Measured	0.251	Calculated	179.2	Measured	0.105	Calculated	232.4	Measured	0.136	Measured	1708.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	17	1	160		434.9	Measured	0.255	Calculated	178.7	Measured	0.105	Calculated	228.3	Measured	0.134	Measured	1703.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	18	1	160		427	Measured	0.249	Calculated	179.7	Measured	0.105	Calculated	234.7	Measured	0.137	Measured	1713.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	19	1	160		430.8	Measured	0.252	Calculated	179.3	Measured	0.105	Calculated	225.7	Measured	0.132	Measured	1710	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	20	1	160		433.2	Measured	0.252	Calculated	180.1	Measured	0.105	Calculated	226.7	Measured	0.132	Measured	1717.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	21	1	160		420.6	Measured	0.247	Calculated	178.9	Measured	0.105	Calculated	235.4	Measured	0.138	Measured	1706.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	22	1	160		426	Measured	0.25	Calculated	178.8	Measured	0.105	Calculated	238.7	Measured	0.14	Measured	1705.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/7/2025	23	1	160		432.6	Measured	0.251	Calculated	180.9	Measured	0.105	Calculated	234.6	Measured	0.136	Measured	1724.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	0	1	160		431.3	Measured	0.248	Calculated	182.1	Measured	0.105	Calculated	224	Measured	0.129	Measured	1736.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	1	1	160		428.6	Measured	0.246	Calculated	182.6	Measured	0.105	Calculated	226.3	Measured	0.13	Measured	1740.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	2	1	160		432.2	Measured	0.249	Calculated	182.1	Measured	0.105	Calculated	232.6	Measured	0.134	Measured	1736	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	3	1	160		447.6	Measured	0.26	Calculated	180.5	Measured	0.105	Calculated	227.2	Measured	0.132	Measured	1721.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	4	1	160		490.9	Measured	0.29	Calculated	177.7	Measured	0.105	Calculated	225.3	Measured	0.133	Measured	1694.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	5	1	160		455.3	Measured	0.266	Calculated	179.7	Measured	0.105	Calculated	221	Measured	0.129	Measured	1713.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	6	1	160		414.2	Measured	0.243	Calculated	178.8	Measured	0.105	Calculated	223.3	Measured	0.131	Measured	1704.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	7	1	161		382.8	Measured	0.223	Calculated	180	Measured	0.105	Calculated	221.4	Measured	0.129	Measured	1716.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	8	1	160		396.9	Measured	0.236	Calculated	176.7	Measured	0.105	Calculated	217.3	Measured	0.129	Measured	1684.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	9	1	160		425.2	Measured	0.252	Calculated	176.8	Measured	0.105	Calculated	217.4	Measured	0.129	Measured	1685.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	10	1	160		435.5	Measured	0.257	Calculated	177.9	Measured	0.105	Calculated	222.2	Measured	0.131	Measured	1695.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	11	1	160		457.6	Measured	0.269	Calculated	178.3	Measured	0.105	Calculated	217.6	Measured	0.128	Measured	1699.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	12	1	160		441.5	Measured	0.26	Calculated	178	Measured	0.105	Calculated	218.9	Measured	0.129	Measured	1697.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	13	1	160		434.7	Measured	0.256	Calculated	178.4	Measured	0.105	Calculated	236.5	Measured	0.139	Measured	1701.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	14	1	160		431.3	Measured	0.254	Calculated	178.4	Measured	0.105	Calculated	236.4	Measured	0.139	Measured	1700.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	15	1	160		420.7	Measured	0.246	Calculated	179.4	Measured	0.105	Calculated	254.8	Measured	0.149	Measured	1710.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	16	1	160		420.1	Measured	0.248	Calculated	177.8	Measured	0.105	Calculated	245.8	Measured	0.145	Measured	1694.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	17	1	160		423.8	Measured	0.251	Calculated	177.4	Measured	0.105	Calculated	243.6	Measured	0.144	Measured	1691.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	18	1	160		421.8	Measured	0.251	Calculated	176.5	Measured	0.105	Calculated	249.1	Measured	0.148	Measured	1683.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	19	1	161		410.6	Measured	0.242	Calculated	178.2	Measured	0.105	Calculated	251.4	Measured	0.148	Measured	1698.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	20	1	164		426.1	Measured	0.245	Calculated	182.3	Measured	0.105	Calculated	253.8	Measured	0.146	Measured	1738.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	21	1	189		489	Measured	0.248	Calculated	206.4	Measured	0.105	Calculated	253.9	Measured	0.129	Measured	1968.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	22	1	189		513.2	Measured	0.262	Calculated	205.3	Measured	0.105	Calculated	252.5	Measured	0.129	Measured	1957.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/8/2025	23	1	189		711.2	Measured	0.362	Calculated	206.1	Measured	0.105	Calculated	257.5	Measured	0.131	Measured	1965.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	0	1	190		527.1	Measured	0.27	Calculated	204.8	Measured	0.105	Calculated	248	Measured	0.127	Measured	1952.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	1	1	190		491.5	Measured	0.252	Calculated	204.7	Measured	0.105	Calculated	242	Measured	0.124	Measured	1951.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	2	1	189		477.5	Measured	0.245	Calculated	204.1	Measured	0.105	Calculated	245.2	Measured	0.126	Measured	1946	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	3	1	190		484.4	Measured	0.246	Calculated	206.4	Measured	0.105	Calculated	247.9	Measured	0.126	Measured	1967.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	4	1	189		493.2	Measured	0.255	Calculated	203	Measured	0.105	Calculated	249.7	Measured	0.129	Measured	1935.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	5	1	190		496.9	Measured	0.253	Calculated	206.1	Measured	0.105	Calculated	253.5	Measured	0.129	Measured	1964.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	6	1	190		494.3	Measured	0.251	Calculated	206.7	Measured	0.105	Calculated	252.3	Measured	0.128	Measured	1970.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	7	1	204		539.7	Measured	0.261	Calculated	216.6	Measured	0.105	Calculated	274.7	Measured	0.133	Measured	2065.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	8	1	234		584	Measured	0.256	Calculated	239.4	Measured	0.105	Calculated	353.8	Measured	0.155	Measured	2282.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	9	1	234		572.5	Measured	0.247	Calculated	243.2	Measured	0.105	Calculated	364	Measured	0.157	Measured	2318.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	10	1	234		567.7	Measured	0.242	Calculated	245.7	Measured	0.105	Calculated	363.1	Measured	0.155	Measured	2342.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	11	1	233		535.5	Measured	0.229	Calculated	245	Measured	0.105	Calculated	362.1	Measured	0.155	Measured	2336.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	12	1	234		565.1	Measured	0.243	Calculated	243.8	Measured	0.105	Calculated	360.4	Measured	0.155	Measured	2324.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	13	1	234		585.7	Measured	0.252	Calculated	243.4	Measured	0.105	Calculated	362	Measured	0.156	Measured	2320.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	14	1	234		596.2	Measured	0.257	Calculated	243.8	Measured	0.105	Calculated	362.6	Measured	0.156	Measured	2324.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	15	1	234		577.8	Measured	0.247	Calculated	245.4	Measured	0.105	Calculated	362.7	Measured	0.155	Measured	2340.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	16	1	234		576.4	Measured	0.248	Calculated	243.5	Measured	0.105	Calculated	364.5	Measured	0.157	Measured	2321.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	17	1	234		575.1	Measured	0.248	Calculated	243.2	Measured	0.105	Calculated	368.7	Measured	0.159	Measured	2319.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	18	1	234		581.4	Measured	0.249	Calculated	245.2	Measured	0.105	Calculated	364.7	Measured	0.156	Measured	2337.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	19	1	233		578.4	Measured	0.251	Calculated	242.1	Measured	0.105	Calculated	364.7	Measured	0.158	Measured	2308.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	20	1	233		574.5	Measured	0.247	Calculated	244	Measured	0.105	Calculated	369.9	Measured	0.159	Measured	2326.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	21	1	234		588.8	Measured	0.252	Calculated	244.8	Measured	0.105	Calculated	368.7	Measured	0.158	Measured	2333.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	22	1	234		580.6	Measured	0.249	Calculated	244.1	Measured	0.105	Calculated	365.4	Measured	0.157	Measured	2327.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/9/2025	23	1	233		581.3	Measured	0.252	Calculated	242.1	Measured	0.105	Calculated	369.3	Measured	0.16	Measured	2308	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	0	1	234		581.7	Measured	0.25	Calculated	243.8	Measured	0.105	Calculated	369.6	Measured	0.159	Measured	2324.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	1	1	234		597.9	Measured	0.259	Calculated	242.3	Measured	0.105	Calculated	365	Measured	0.158	Measured	2310	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	2	1	233		588.3	Measured	0.255	Calculated	241.5	Measured	0.105	Calculated	366.1	Measured	0.159	Measured	2302.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	3	1	234		576.4	Measured	0.249	Calculated	243	Measured	0.105	Calculated	366.1	Measured	0.158	Measured	2317.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	4	1	233		562.5	Measured	0.247	Calculated	238.6	Measured	0.105	Calculated	357.2	Measured	0.157	Measured	2275.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	5	1	234		566.9	Measured	0.247	Calculated	241	Measured	0.105	Calculated	363.1	Measured	0.158	Measured	2298.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	6	1	234		572.9	Measured	0.248	Calculated	242	Measured	0.105	Calculated	364.6	Measured	0.158	Measured	2307.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	7	1	234		576.7	Measured	0.25	Calculated	241.9	Measured	0.105	Calculated	362.1	Measured	0.157	Measured	2306.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	8	1	233		573.3	Measured	0.249	Calculated	241.7	Measured	0.105	Calculated	357.2	Measured	0.155	Measured	2304.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	9	1	234		576.2	Measured	0.247	Calculated	245	Measured	0.105	Calculated	364.4	Measured	0.156	Measured	2335.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	10	1	234		578.6	Measured	0.245	Calculated	247.3	Measured	0.105	Calculated	372.6	Measured	0.158	Measured	2358.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	11	1	234		567.7	Measured	0.24	Calculated	248.2	Measured	0.105	Calculated	371.5	Measured	0.157	Measured	2366.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	12	1	234		572.7	Measured	0.244	Calculated	246.3	Measured	0.105	Calculated	368.8	Measured	0.157	Measured	2348.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	13	1	233		561.8	Measured	0.24	Calculated	245.8	Measured	0.105	Calculated	365.6	Measured	0.156	Measured	2343.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	14	1	234		568.1	Measured	0.242	Calculated	246.5	Measured	0.105	Calculated	371.3	Measured	0.158	Measured	2350	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	15	1	234		584.8	Measured	0.249	Calculated	246.3	Measured	0.105	Calculated	373.4	Measured	0.159	Measured	2348.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	16	1	234		575.9	Measured	0.245	Calculated	246.1	Measured	0.105	Calculated	380.2	Measured	0.162	Measured	2346.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	17	1	234		589.4	Measured	0.252	Calculated	245.7	Measured	0.105	Calculated	377.2	Measured	0.161	Measured	2342.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	18	1	234		587.9	Measured	0.251	Calculated	245.3	Measured	0.105	Calculated	379	Measured	0.162	Measured	2339.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	19	1	234		592.4	Measured	0.253	Calculated	245.2	Measured	0.105	Calculated	385.8	Measured	0.165	Measured	2337.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		9/10/2025	20	1	233		584	Measured	0.251	Calculated	244.2	Measured	0.105	Calculated	384.2	Measured	0.165	Measured	2328.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	21	1	234		580.5	Measured	0.249	Calculated	244.3	Measured	0.105	Calculated	379.6	Measured	0.163	Measured	2329	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	22	1	234		594.4	Measured	0.255	Calculated	244	Measured	0.105	Calculated	376.9	Measured	0.162	Measured	2326.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/10/2025	23	1	234		681.9	Measured	0.294	Calculated	243.4	Measured	0.105	Calculated	378.3	Measured	0.163	Measured	2320.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	0	1	233		789.9	Measured	0.341	Calculated	243.2	Measured	0.105	Calculated	373.3	Measured	0.161	Measured	2318.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	1	1	234		727.1	Measured	0.312	Calculated	244.7	Measured	0.105	Calculated	364	Measured	0.156	Measured	2333.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	2	1	234		764.1	Measured	0.327	Calculated	244.8	Measured	0.105	Calculated	373.4	Measured	0.16	Measured	2333.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	3	1	234		637.2	Measured	0.271	Calculated	246.5	Measured	0.105	Calculated	369.1	Measured	0.157	Measured	2350.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	4	1	234		580.1	Measured	0.251	Calculated	242.5	Measured	0.105	Calculated	360.7	Measured	0.156	Measured	2312.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	5	1	234		574.9	Measured	0.247	Calculated	244.2	Measured	0.105	Calculated	358.5	Measured	0.154	Measured	2328.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	6	1	234		576.8	Measured	0.246	Calculated	246	Measured	0.105	Calculated	356.6	Measured	0.152	Measured	2345.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	7	1	234		572.9	Measured	0.247	Calculated	243.6	Measured	0.105	Calculated	353	Measured	0.152	Measured	2322.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	8	1	234		574.8	Measured	0.248	Calculated	243.4	Measured	0.105	Calculated	348	Measured	0.15	Measured	2320.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	9	1	234		593	Measured	0.254	Calculated	244.9	Measured	0.105	Calculated	355	Measured	0.152	Measured	2335.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	10	1	234		624.8	Measured	0.265	Calculated	247.2	Measured	0.105	Calculated	367.7	Measured	0.156	Measured	2357.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	11	1	233		611.6	Measured	0.26	Calculated	246.8	Measured	0.105	Calculated	374.2	Measured	0.159	Measured	2353.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	12	1	234		588.9	Measured	0.251	Calculated	246.5	Measured	0.105	Calculated	371.4	Measured	0.158	Measured	2350.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	13	1	234		586.9	Measured	0.249	Calculated	247.2	Measured	0.105	Calculated	367.7	Measured	0.156	Measured	2356.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	14	1	233		581.2	Measured	0.248	Calculated	246.1	Measured	0.105	Calculated	370.7	Measured	0.158	Measured	2346.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	15	1	234		591.7	Measured	0.252	Calculated	246.4	Measured	0.105	Calculated	375.9	Measured	0.16	Measured	2349.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	16	1	233		600.4	Measured	0.255	Calculated	247	Measured	0.105	Calculated	379.1	Measured	0.161	Measured	2354.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	17	1	234		595.3	Measured	0.253	Calculated	247.2	Measured	0.105	Calculated	381.8	Measured	0.162	Measured	2356.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	18	1	234		579.8	Measured	0.246	Calculated	247	Measured	0.105	Calculated	381.6	Measured	0.162	Measured	2355.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	19	1	234		579.7	Measured	0.245	Calculated	247.8	Measured	0.105	Calculated	382.7	Measured	0.162	Measured	2362.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	20	1	233		593	Measured	0.253	Calculated	245.7	Measured	0.105	Calculated	377.1	Measured	0.161	Measured	2342.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	21	1	234		591.2	Measured	0.251	Calculated	246.8	Measured	0.105	Calculated	383.5	Measured	0.163	Measured	2352.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	22	1	234		569.9	Measured	0.243	Calculated	246.1	Measured	0.105	Calculated	370.8	Measured	0.158	Measured	2347	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/11/2025	23	1	233		570.7	Measured	0.244	Calculated	245.7	Measured	0.105	Calculated	370.2	Measured	0.158	Measured	2342.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	0	1	234		584.8	Measured	0.25	Calculated	245	Measured	0.105	Calculated	376.1	Measured	0.161	Measured	2335.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	1	1	233		571.2	Measured	0.244	Calculated	245.7	Measured	0.105	Calculated	372.5	Measured	0.159	Measured	2342.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	2	1	234		560.6	Measured	0.238	Calculated	246.6	Measured	0.105	Calculated	369.2	Measured	0.157	Measured	2351.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	3	1	234		572.4	Measured	0.245	Calculated	245.4	Measured	0.105	Calculated	374.4	Measured	0.16	Measured	2340.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	4	1	233		564	Measured	0.243	Calculated	243.1	Measured	0.105	Calculated	370.9	Measured	0.16	Measured	2318	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	5	1	234		572.5	Measured	0.243	Calculated	247	Measured	0.105	Calculated	376.9	Measured	0.16	Measured	2355.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	6	1	234		594.5	Measured	0.252	Calculated	247.1	Measured	0.105	Calculated	374.5	Measured	0.159	Measured	2355.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	7	1	234		628.5	Measured	0.269	Calculated	245.2	Measured	0.105	Calculated	376.3	Measured	0.161	Measured	2337.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	8	1	233		611.9	Measured	0.263	Calculated	244.4	Measured	0.105	Calculated	375.1	Measured	0.161	Measured	2329.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	9	1	234		592.9	Measured	0.253	Calculated	246.1	Measured	0.105	Calculated	382.4	Measured	0.163	Measured	2346.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	10	1	234		608	Measured	0.256	Calculated	248.7	Measured	0.105	Calculated	389	Measured	0.164	Measured	2371.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	11	1	234		611.6	Measured	0.259	Calculated	247.7	Measured	0.105	Calculated	387.3	Measured	0.164	Measured	2361.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	12	1	234		601.5	Measured	0.256	Calculated	246.6	Measured	0.105	Calculated	383.2	Measured	0.163	Measured	2351.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	13	1	234		595.3	Measured	0.251	Calculated	248.6	Measured	0.105	Calculated	386.4	Measured	0.163	Measured	2370.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	14	1	233		580.1	Measured	0.244	Calculated	249.5	Measured	0.105	Calculated	394.9	Measured	0.166	Measured	2378.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	15	1	234		573.2	Measured	0.242	Calculated	248.1	Measured	0.105	Calculated	388	Measured	0.164	Measured	2366	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	16	1	234		564.7	Measured	0.238	Calculated	248.5	Measured	0.105	Calculated	381.4	Measured	0.161	Measured	2369.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	17	1	233		581.8	Measured	0.247	Calculated	246.8	Measured	0.105	Calculated	388.3	Measured	0.165	Measured	2353.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	18	1	234		597.4	Measured	0.252	Calculated	249	Measured	0.105	Calculated	384.6	Measured	0.162	Measured	2374	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	19	1	234		609.8	Measured	0.257	Calculated	248.6	Measured	0.105	Calculated	384	Measured	0.162	Measured	2370.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	20	1	234		605.1	Measured	0.258	Calculated	246.3	Measured	0.105	Calculated	375.7	Measured	0.16	Measured	2348.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	21	1	233		589.5	Measured	0.252	Calculated	245.7	Measured	0.105	Calculated	367.9	Measured	0.157	Measured	2343.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	22	1	234		592.5	Measured	0.253	Calculated	245.4	Measured	0.105	Calculated	372	Measured	0.159	Measured	2339.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/12/2025	23	1	234		863.9	Measured	0.37	Calculated	244.9	Measured	0.105	Calculated	376	Measured	0.161	Measured	2335.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	0	1	234		645.3	Measured	0.277	Calculated	244.1	Measured	0.105	Calculated	367.8	Measured	0.158	Measured	2327.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	1	1	234		579.5	Measured	0.248	Calculated	245.1	Measured	0.105	Calculated	364.6	Measured	0.156	Measured	2337	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	2	1	233		567.4	Measured	0.243	Calculated	244.9	Measured	0.105	Calculated	366.5	Measured	0.157	Measured	2334.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	3	1	234		569.7	Measured	0.245	Calculated	244.3	Measured	0.105	Calculated	372.6	Measured	0.16	Measured	2328.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	4	1	234		553.7	Measured	0.239	Calculated	243.4	Measured	0.105	Calculated	373.7	Measured	0.161	Measured	2320.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	5	1	234		570.1	Measured	0.244	Calculated	244.9	Measured	0.105	Calculated	378.4	Measured	0.162	Measured	2335.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	6	1	234		585.5	Measured	0.251	Calculated	244.5	Measured	0.105	Calculated	382.4	Measured	0.164	Measured	2331.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	7	1	234		590.1	Measured	0.253	Calculated	244.7	Measured	0.105	Calculated	380.3	Measured	0.163	Measured	2332.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	8	1	234		583.4	Measured	0.25	Calculated	245.2	Measured	0.105	Calculated	381	Measured	0.163	Measured	2337.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	9	1	234		580.3	Measured	0.251	Calculated	242.8	Measured	0.105	Calculated	384.3	Measured	0.166	Measured	2315.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	10	1	233		569.1	Measured	0.246	Calculated	242.7	Measured	0.105	Calculated	379.5	Measured	0.164	Measured	2314	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	11	1	234		580.3	Measured	0.249	Calculated	244.1	Measured	0.105	Calculated	381.7	Measured	0.164	Measured	2327.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	12	1	234		583.5	Measured	0.25	Calculated	244.9	Measured	0.105	Calculated	378.3	Measured	0.162	Measured	2335	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	13	1	235		581.9	Measured	0.248	Calculated	246.3	Measured	0.105	Calculated	380.4	Measured	0.162	Measured	2348.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	14	1	234		587.9	Measured	0.25	Calculated	246.8	Measured	0.105	Calculated	381.2	Measured	0.162	Measured	2352.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	15	1	233		580.2	Measured	0.247	Calculated	246.1	Measured	0.105	Calculated	377.8	Measured	0.161	Measured	2346.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	16	1	234		573	Measured	0.243	Calculated	247.5	Measured	0.105	Calculated	380	Measured	0.161	Measured	2360.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	17	1	234		581.5	Measured	0.246	Calculated	247.5	Measured	0.105	Calculated	384.6	Measured	0.163	Measured	2359.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	18	1	234		589.5	Measured	0.25	Calculated	247.1	Measured	0.105	Calculated	386.5	Measured	0.164	Measured	2356.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	19	1	234		613	Measured	0.26	Calculated	247	Measured	0.105	Calculated	386.3	Measured	0.164	Measured	2355.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	20	1	233		600.9	Measured	0.256	Calculated	246.3	Measured	0.105	Calculated	385.2	Measured	0.164	Measured	2348.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	21	1	234		589.1	Measured	0.251	Calculated	246.3	Measured	0.105	Calculated	387.5	Measured	0.165	Measured	2348.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	22	1	234		608.4	Measured	0.26	Calculated	245.8	Measured	0.105	Calculated	389	Measured	0.166	Measured	2343.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/13/2025	23	1	233		583.8	Measured	0.249	Calculated	245.6	Measured	0.105	Calculated	384	Measured	0.164	Measured	2341.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	0	1	234		584.9	Measured	0.25	Calculated	245.8	Measured	0.105	Calculated	382	Measured	0.163	Measured	2343.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	1	1	233		576.9	Measured	0.248	Calculated	243.7	Measured	0.105	Calculated	381	Measured	0.164	Measured	2323.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	2	1	233		580.7	Measured	0.249	Calculated	244.5	Measured	0.105	Calculated	391.7	Measured	0.168	Measured	2331.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	3	1	234		586.4	Measured	0.249	Calculated	247.5	Measured	0.105	Calculated	389.3	Measured	0.165	Measured	2359.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	4	1	234		575.6	Measured	0.249	Calculated	242.1	Measured	0.105	Calculated	380.8	Measured	0.165	Measured	2307.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	5	1	234		588.6	Measured	0.252	Calculated	244.8	Measured	0.105	Calculated	385.1	Measured	0.165	Measured	2334.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	6	1	234		584.5	Measured	0.249	Calculated	245.9	Measured	0.105	Calculated	391.5	Measured	0.167	Measured	2344.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	7	1	234		578	Measured	0.247	Calculated	245.4	Measured	0.105	Calculated	383.8	Measured	0.164	Measured	2340.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	8	1	233		576.3	Measured	0.248	Calculated	243.4	Measured	0.105	Calculated	383	Measured	0.165	Measured	2321.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	9	1	234		588.4	Measured	0.253	Calculated	243.6	Measured	0.105	Calculated	380.9	Measured	0.164	Measured	2322.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	10	1	234		570	Measured	0.242	Calculated	247.3	Measured	0.105	Calculated	381.9	Measured	0.162	Measured	2357.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	11	1	233		583.7	Measured	0.249	Calculated	246.3	Measured	0.105	Calculated	382.8	Measured	0.163	Measured	2348.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	12	1	234		582.9	Measured	0.246	Calculated	248.8	Measured	0.105	Calculated	384.4	Measured	0.162	Measured	2372.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	13	1	228		570.2	Measured	0.248	Calculated	241.6	Measured	0.105	Calculated	380.1	Measured	0.165	Measured	2303.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	14	1	169		450	Measured	0.254	Calculated	185.6	Measured	0.105	Calculated	267.2	Measured	0.151	Measured	1769.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	15	1	166		446	Measured	0.252	Calculated	185.7	Measured	0.105	Calculated	255	Measured	0.144	Measured	1771	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	16	1	165		436.4	Measured	0.246	Calculated	185.8	Measured	0.105	Calculated	258.7	Measured	0.146	Measured	1771.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	17	1	165		444.1	Measured	0.25	Calculated	186.2	Measured	0.105	Calculated	260.9	Measured	0.147	Measured	1775.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	18	1	166		444.4	Measured	0.254	Calculated	183.6	Measured	0.105	Calculated	257.3	Measured	0.147	Measured	1750.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	19	1	174		481.8	Measured	0.263	Calculated	192.1	Measured	0.105	Calculated	278.4	Measured	0.152	Measured	1831.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	20	1	219		566.8	Measured	0.252	Calculated	235.8	Measured	0.105	Calculated	348.5	Measured	0.155	Measured	2248.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	21	1	233		566.5	Measured	0.241	Calculated	246.6	Measured	0.105	Calculated	385.5	Measured	0.164	Measured	2350.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	22	1	234		585.2	Measured	0.249	Calculated	246.7	Measured	0.105	Calculated	390.5	Measured	0.166	Measured	2352.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/14/2025	23	1	235		890	Measured	0.378	Calculated	246.8	Measured	0.105	Calculated	397.7	Measured	0.169	Measured	2353.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	0	1	234		722.9	Measured	0.308	Calculated	246.5	Measured	0.105	Calculated	390.2	Measured	0.166	Measured	2350.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	1	1	235		623.1	Measured	0.265	Calculated	246.6	Measured	0.105	Calculated	385.5	Measured	0.164	Measured	2350.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	2	1	235		584.1	Measured	0.249	Calculated	246.3	Measured	0.105	Calculated	385.1	Measured	0.164	Measured	2348.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	3	1	235		594.9	Measured	0.253	Calculated	246.5	Measured	0.105	Calculated	387.8	Measured	0.165	Measured	2350.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	4	1	234		585.3	Measured	0.251	Calculated	244.7	Measured	0.105	Calculated	389.6	Measured	0.167	Measured	2332.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	5	1	235		590.2	Measured	0.251	Calculated	246.8	Measured	0.105	Calculated	385.9	Measured	0.164	Measured	2353.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	6	1	235		586.5	Measured	0.249	Calculated	247.3	Measured	0.105	Calculated	393.7	Measured	0.167	Measured	2357.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	7	1	234		591.8	Measured	0.252	Calculated	246.4	Measured	0.105	Calculated	392.4	Measured	0.167	Measured	2349.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	8	1	234		590.6	Measured	0.251	Calculated	247.2	Measured	0.105	Calculated	393.6	Measured	0.167	Measured	2356.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	9	1	235		595.6	Measured	0.251	Calculated	248.5	Measured	0.105	Calculated	402.8	Measured	0.17	Measured	2369.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	10	1	235		606.3	Measured	0.256	Calculated	248.2	Measured	0.105	Calculated	388	Measured	0.164	Measured	2366.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	11	1	235		610.3	Measured	0.259	Calculated	247.4	Measured	0.105	Calculated	389.2	Measured	0.165	Measured	2359	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	12	1	235		601.1	Measured	0.253	Calculated	248.8	Measured	0.105	Calculated	386.6	Measured	0.163	Measured	2371.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	13	1	234		600.1	Measured	0.253	Calculated	248.9	Measured	0.105	Calculated	389.2	Measured	0.164	Measured	2372.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	14	1	235		611.7	Measured	0.256	Calculated	251.1	Measured	0.105	Calculated	395	Measured	0.165	Measured	2394.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	15	1	235		602	Measured	0.253	Calculated	249.1	Measured	0.105	Calculated	389.5	Measured	0.164	Measured	2375	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	16	1	234		605.5	Measured	0.255	Calculated	249.2	Measured	0.105	Calculated	392.1	Measured	0.165	Measured	2376.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	17	1	235		599.2	Measured	0.251	Calculated	250.2	Measured	0.105	Calculated	393.7	Measured	0.165	Measured	2386	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	18	1	235		596.3	Measured	0.251	Calculated	249	Measured	0.105	Calculated	391.8	Measured	0.165	Measured	2374.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	19	1	235		590.7	Measured	0.246	Calculated	251.7	Measured	0.105	Calculated	388.8	Measured	0.162	Measured	2399.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	20	1	234		578.8	Measured	0.245	Calculated	247.7	Measured	0.105	Calculated	384.9	Measured	0.163	Measured	2361.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	21	1	235		592.2	Measured	0.252	Calculated	246.9	Measured	0.105	Calculated	388.4	Measured	0.165	Measured	2353.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	22	1	234		584.5	Measured	0.248	Calculated	247	Measured	0.105	Calculated	395.6	Measured	0.168	Measured	2354.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/15/2025	23	1	235		596.5	Measured	0.252	Calculated	247.9	Measured	0.105	Calculated	399.5	Measured	0.169	Measured	2363.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	0	1	235		589.8	Measured	0.251	Calculated	246.1	Measured	0.105	Calculated	391.9	Measured	0.167	Measured	2346.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	1	1	235		616.1	Measured	0.262	Calculated	246.4	Measured	0.105	Calculated	387.7	Measured	0.165	Measured	2349.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	2	1	234		626.3	Measured	0.268	Calculated	245.2	Measured	0.105	Calculated	369.5	Measured	0.158	Measured	2338.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	3	1	235		585.6	Measured	0.249	Calculated	246.6	Measured	0.105	Calculated	369.2	Measured	0.157	Measured	2351.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	4	1	235		557.9	Measured	0.239	Calculated	244.7	Measured	0.105	Calculated	366.3	Measured	0.157	Measured	2332.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	5	1	235		577.7	Measured	0.244	Calculated	248.2	Measured	0.105	Calculated	373.9	Measured	0.158	Measured	2366.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	6	1	235		591.2	Measured	0.25	Calculated	247.7	Measured	0.105	Calculated	370.8	Measured	0.157	Measured	2361.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	7	1	235		638.7	Measured	0.272	Calculated	246.7	Measured	0.105	Calculated	369.3	Measured	0.157	Measured	2352.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	8	1	234		627.9	Measured	0.268	Calculated	245.9	Measured	0.105	Calculated	370.4	Measured	0.158	Measured	2344.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	9	1	235		601.2	Measured	0.256	Calculated	246.2	Measured	0.105	Calculated	370.9	Measured	0.158	Measured	2347.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	10	1	235		590.5	Measured	0.251	Calculated	247.1	Measured	0.105	Calculated	369.9	Measured	0.157	Measured	2356	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	11	1	235		592	Measured	0.252	Calculated	246.7	Measured	0.105	Calculated	371.7	Measured	0.158	Measured	2352.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	12	1	235		609.7	Measured	0.258	Calculated	247.4	Measured	0.105	Calculated	375.1	Measured	0.159	Measured	2359	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	13	1	235		585.2	Measured	0.249	Calculated	247	Measured	0.105	Calculated	372.1	Measured	0.158	Measured	2354.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	14	1	235		589.7	Measured	0.25	Calculated	247.3	Measured	0.105	Calculated	372.5	Measured	0.158	Measured	2357.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		9/16/2025	15	1	235		584.4	Measured	0.248	Calculated	247.6	Measured	0.105	Calculated	363.6	Measured	0.154	Measured	2361.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	16	1	235		589.8	Measured	0.25	Calculated	247.6	Measured	0.105	Calculated	370.7	Measured	0.157	Measured	2360.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	17	1	235		585.9	Measured	0.248	Calculated	248	Measured	0.105	Calculated	376	Measured	0.159	Measured	2364.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	18	1	235		578.4	Measured	0.244	Calculated	248.5	Measured	0.105	Calculated	376.8	Measured	0.159	Measured	2369.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	19	1	235		573.9	Measured	0.243	Calculated	247.9	Measured	0.105	Calculated	375.9	Measured	0.159	Measured	2364	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	20	1	235		572.6	Measured	0.243	Calculated	247.6	Measured	0.105	Calculated	370.7	Measured	0.157	Measured	2361	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	21	1	234		577.5	Measured	0.246	Calculated	246	Measured	0.105	Calculated	370.7	Measured	0.158	Measured	2345.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	22	1	235		596	Measured	0.253	Calculated	246.6	Measured	0.105	Calculated	366.8	Measured	0.156	Measured	2351.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/16/2025	23	1	234		578.6	Measured	0.248	Calculated	244.7	Measured	0.105	Calculated	375.6	Measured	0.161	Measured	2333	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	0	1	235		590.1	Measured	0.251	Calculated	246.7	Measured	0.105	Calculated	376.4	Measured	0.16	Measured	2352.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	1	1	234		569.7	Measured	0.242	Calculated	246.6	Measured	0.105	Calculated	371.6	Measured	0.158	Measured	2351.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	2	1	235		572.5	Measured	0.244	Calculated	246	Measured	0.105	Calculated	375.3	Measured	0.16	Measured	2345.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	3	1	235		583	Measured	0.248	Calculated	246.8	Measured	0.105	Calculated	371.8	Measured	0.158	Measured	2353	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	4	1	235		585.3	Measured	0.253	Calculated	243	Measured	0.105	Calculated	366.1	Measured	0.158	Measured	2317.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	5	1	234		584.8	Measured	0.25	Calculated	245	Measured	0.105	Calculated	376	Measured	0.161	Measured	2335.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	6	1	235		617.7	Measured	0.264	Calculated	245.7	Measured	0.105	Calculated	370.2	Measured	0.158	Measured	2342.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	7	1	235		640.7	Measured	0.274	Calculated	245.1	Measured	0.105	Calculated	369.3	Measured	0.158	Measured	2337.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	8	1	235		637.1	Measured	0.273	Calculated	244.9	Measured	0.105	Calculated	369	Measured	0.158	Measured	2335.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	9	1	234		665.7	Measured	0.284	Calculated	245.7	Measured	0.105	Calculated	377.2	Measured	0.161	Measured	2343.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	10	1	235		693.9	Measured	0.293	Calculated	248.3	Measured	0.105	Calculated	378.8	Measured	0.16	Measured	2367.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	11	1	235		664.3	Measured	0.28	Calculated	248.5	Measured	0.105	Calculated	371.9	Measured	0.157	Measured	2369.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	12	1	235		651.9	Measured	0.275	Calculated	248.5	Measured	0.105	Calculated	376.7	Measured	0.159	Measured	2369.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	13	1	234		678.8	Measured	0.286	Calculated	248.6	Measured	0.105	Calculated	374.5	Measured	0.158	Measured	2370.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	14	1	235		721.3	Measured	0.304	Calculated	249	Measured	0.105	Calculated	377.4	Measured	0.159	Measured	2373.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	15	1	235		676.1	Measured	0.286	Calculated	248	Measured	0.105	Calculated	383.1	Measured	0.162	Measured	2365	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	16	1	234		660.4	Measured	0.279	Calculated	248.2	Measured	0.105	Calculated	385.7	Measured	0.163	Measured	2366.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	17	1	235		680.6	Measured	0.286	Calculated	249.2	Measured	0.105	Calculated	389.7	Measured	0.164	Measured	2376.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	18	1	235		684.9	Measured	0.288	Calculated	249	Measured	0.105	Calculated	389.4	Measured	0.164	Measured	2374.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	19	1	235		690.3	Measured	0.291	Calculated	249	Measured	0.105	Calculated	386.9	Measured	0.163	Measured	2373.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	20	1	235		688.2	Measured	0.291	Calculated	248.2	Measured	0.105	Calculated	388.1	Measured	0.164	Measured	2366.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	21	1	234		684.7	Measured	0.291	Calculated	247.2	Measured	0.105	Calculated	384.1	Measured	0.163	Measured	2356.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	22	1	234		688.1	Measured	0.293	Calculated	246.4	Measured	0.105	Calculated	385.3	Measured	0.164	Measured	2349.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/17/2025	23	1	234		709	Measured	0.303	Calculated	245.7	Measured	0.105	Calculated	384.3	Measured	0.164	Measured	2343.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	0	1	235		701.2	Measured	0.299	Calculated	245.8	Measured	0.105	Calculated	382	Measured	0.163	Measured	2343.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	1	1	224		665.7	Measured	0.296	Calculated	235.9	Measured	0.105	Calculated	400.4	Measured	0.178	Measured	2249.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	2	1	175		524.4	Measured	0.296	Calculated	186.1	Measured	0.105	Calculated	278.6	Measured	0.157	Measured	1774.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	3	1	162		449.2	Measured	0.271	Calculated	173.5	Measured	0.105	Calculated	296.2	Measured	0.179	Measured	1654.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	4	1	164		501.2	Measured	0.303	Calculated	173.7	Measured	0.105	Calculated	243.5	Measured	0.147	Measured	1656.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	5	1	165		510	Measured	0.303	Calculated	176.6	Measured	0.105	Calculated	250.9	Measured	0.149	Measured	1684	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	6	1	137		380.3	Measured	0.266	Calculated	150	Measured	0.105	Calculated	349	Measured	0.244	Measured	1430.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	7	1	150		471.1	Measured	0.305	Calculated	162.2	Measured	0.105	Calculated	267.6	Measured	0.173	Measured	1546.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	8	1	149		460.5	Measured	0.296	Calculated	163.1	Measured	0.105	Calculated	253.5	Measured	0.163	Measured	1555.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	9	1	149		446	Measured	0.282	Calculated	166	Measured	0.105	Calculated	242.1	Measured	0.153	Measured	1582.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	10	1	151		441.6	Measured	0.276	Calculated	167.8	Measured	0.105	Calculated	252.8	Measured	0.158	Measured	1599.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	11	1	150		421.7	Measured	0.262	Calculated	169.1	Measured	0.105	Calculated	258	Measured	0.16	Measured	1612.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	12	1	149		429	Measured	0.267	Calculated	168.2	Measured	0.105	Calculated	264.6	Measured	0.165	Measured	1603.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	13	1	149		441.9	Measured	0.276	Calculated	167.9	Measured	0.105	Calculated	267.3	Measured	0.167	Measured	1600.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	14	1	150		428.6	Measured	0.267	Calculated	168.4	Measured	0.105	Calculated	263.4	Measured	0.164	Measured	1605.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	15	1	150		438.4	Measured	0.273	Calculated	168.5	Measured	0.105	Calculated	257	Measured	0.16	Measured	1606.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	16	1	149		439.2	Measured	0.276	Calculated	167	Measured	0.105	Calculated	243.7	Measured	0.153	Measured	1592.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	17	1	150		452.5	Measured	0.283	Calculated	167.4	Measured	0.105	Calculated	245.8	Measured	0.154	Measured	1596.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	18	1	150		445.3	Measured	0.279	Calculated	167.5	Measured	0.105	Calculated	250.7	Measured	0.157	Measured	1596.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	19	1	149		469.2	Measured	0.298	Calculated	165.3	Measured	0.105	Calculated	252.2	Measured	0.16	Measured	1576.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	20	1	149		466.7	Measured	0.296	Calculated	165.4	Measured	0.105	Calculated	241.2	Measured	0.153	Measured	1576.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	21	1	151		448.6	Measured	0.281	Calculated	167.2	Measured	0.105	Calculated	253.4	Measured	0.159	Measured	1593.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	22	1	150		511.4	Measured	0.322	Calculated	166.7	Measured	0.105	Calculated	262.3	Measured	0.165	Measured	1589.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/18/2025	23	1	150		697.8	Measured	0.442	Calculated	165.6	Measured	0.105	Calculated	271.5	Measured	0.172	Measured	1578.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	0	1	150		465.4	Measured	0.295	Calculated	165.7	Measured	0.105	Calculated	252.8	Measured	0.16	Measured	1579.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	1	1	150		440.5	Measured	0.279	Calculated	165.6	Measured	0.105	Calculated	254.3	Measured	0.161	Measured	1579.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	2	1	150		441.3	Measured	0.281	Calculated	164.6	Measured	0.105	Calculated	254.2	Measured	0.162	Measured	1569.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	3	1	150		432.4	Measured	0.274	Calculated	165.5	Measured	0.105	Calculated	252.4	Measured	0.16	Measured	1577.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	4	1	150		408.8	Measured	0.263	Calculated	162.8	Measured	0.105	Calculated	254.6	Measured	0.164	Measured	1552.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	5	1	149		421.8	Measured	0.269	Calculated	164.4	Measured	0.105	Calculated	255.5	Measured	0.163	Measured	1567.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	6	1	150		445.9	Measured	0.285	Calculated	164.3	Measured	0.105	Calculated	256.9	Measured	0.164	Measured	1566.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	7	1	150		442.3	Measured	0.28	Calculated	165.7	Measured	0.105	Calculated	257.5	Measured	0.163	Measured	1579.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	8	1	149		417.9	Measured	0.266	Calculated	164.6	Measured	0.105	Calculated	251.2	Measured	0.16	Measured	1569.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	9	1	150		419.2	Measured	0.267	Calculated	164.4	Measured	0.105	Calculated	246.1	Measured	0.157	Measured	1567.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	10	1	150		423.7	Measured	0.269	Calculated	164.9	Measured	0.105	Calculated	248.5	Measured	0.158	Measured	1572.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	11	1	149		409.9	Measured	0.26	Calculated	165.6	Measured	0.105	Calculated	247.9	Measured	0.157	Measured	1578.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	12	1	150		422.1	Measured	0.265	Calculated	167.4	Measured	0.105	Calculated	252.1	Measured	0.158	Measured	1595.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	13	1	150		430.6	Measured	0.269	Calculated	168	Measured	0.105	Calculated	248.3	Measured	0.155	Measured	1601.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	14	1	150		429.7	Measured	0.265	Calculated	170	Measured	0.105	Calculated	257.8	Measured	0.159	Measured	1621.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	15	1	125		345.3	Measured	0.254	Calculated	142.9	Measured	0.105	Calculated	301	Measured	0.221	Measured	1362.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	16	1	103		293.7	Measured	0.251	Calculated	122.8	Measured	0.105	Calculated	333.6	Measured	0.285	Measured	1170.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	17	1	102		301.9	Measured	0.26	Calculated	121.6	Measured	0.105	Calculated	339.7	Measured	0.293	Measured	1159.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	18	1	102		300.7	Measured	0.262	Calculated	120.3	Measured	0.105	Calculated	344.2	Measured	0.3	Measured	1147.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	19	1	118		363.3	Measured	0.285	Calculated	133.8	Measured	0.105	Calculated	377.6	Measured	0.296	Measured	1275.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	20	1	129		388	Measured	0.276	Calculated	147.4	Measured	0.105	Calculated	351.3	Measured	0.25	Measured	1405.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	21	1	129		374.4	Measured	0.268	Calculated	146.5	Measured	0.105	Calculated	345.1	Measured	0.247	Measured	1397.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	22	1	129		379.1	Measured	0.272	Calculated	146.4	Measured	0.105	Calculated	353.1	Measured	0.253	Measured	1395.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/19/2025	23	1	129		381.6	Measured	0.273	Calculated	146.5	Measured	0.105	Calculated	339.5	Measured	0.243	Measured	1397.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	0	1	130		376.4	Measured	0.27	Calculated	146.3	Measured	0.105	Calculated	339	Measured	0.243	Measured	1395	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	1	1	129		381.8	Measured	0.275	Calculated	145.4	Measured	0.105	Calculated	341	Measured	0.246	Measured	1386	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	2	1	130		382.4	Measured	0.275	Calculated	146	Measured	0.105	Calculated	343.9	Measured	0.247	Measured	1392.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	3	1	130		373.1	Measured	0.267	Calculated	146.4	Measured	0.105	Calculated	362.8	Measured	0.26	Measured	1395.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	4	1	130		340.2	Measured	0.247	Calculated	144.2	Measured	0.105	Calculated	360.3	Measured	0.262	Measured	1375.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	5	1	129		363	Measured	0.262	Calculated	145.3	Measured	0.105	Calculated	354.7	Measured	0.256	Measured	1385.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	6	1	130		374.8	Measured	0.268	Calculated	146.8	Measured	0.105	Calculated	355.5	Measured	0.254	Measured	1399.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	7	1	129		392	Measured	0.283	Calculated	145.4	Measured	0.105	Calculated	353.6	Measured	0.255	Measured	1386.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	8	1	130		382.9	Measured	0.275	Calculated	145.8	Measured	0.105	Calculated	346.1	Measured	0.249	Measured	1390	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	9	1	130		372.7	Measured	0.269	Calculated	145.5	Measured	0.105	Calculated	348.3	Measured	0.251	Measured	1387.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	10	1	130		375.2	Measured	0.269	Calculated	146	Measured	0.105	Calculated	342.5	Measured	0.246	Measured	1392.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	11	1	130		375.2	Measured	0.272	Calculated	144.7	Measured	0.105	Calculated	335.4	Measured	0.243	Measured	1380.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	12	1	130		367.7	Measured	0.264	Calculated	146	Measured	0.105	Calculated	327.2	Measured	0.235	Measured	1392.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	13	1	130		376.6	Measured	0.267	Calculated	147.7	Measured	0.105	Calculated	345.1	Measured	0.245	Measured	1408.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	14	1	130		367.8	Measured	0.262	Calculated	147	Measured	0.105	Calculated	364.3	Measured	0.26	Measured	1401.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	15	1	129		374.3	Measured	0.264	Calculated	148.5	Measured	0.105	Calculated	356.7	Measured	0.252	Measured	1415.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	16	1	130		386.3	Measured	0.276	Calculated	147.1	Measured	0.105	Calculated	354.7	Measured	0.253	Measured	1402.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	17	1	130		372.1	Measured	0.267	Calculated	146.1	Measured	0.105	Calculated	363.7	Measured	0.261	Measured	1393.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	18	1	130		377.5	Measured	0.272	Calculated	145.5	Measured	0.105	Calculated	352.3	Measured	0.254	Measured	1387	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	19	1	129		386.2	Measured	0.278	Calculated	145.9	Measured	0.105	Calculated	347.9	Measured	0.25	Measured	1391.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	20	1	130		383.7	Measured	0.277	Calculated	145.1	Measured	0.105	Calculated	354.2	Measured	0.256	Measured	1383.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	21	1	130		382.5	Measured	0.274	Calculated	146.6	Measured	0.105	Calculated	334	Measured	0.239	Measured	1397.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	22	1	130		376.8	Measured	0.272	Calculated	145.5	Measured	0.105	Calculated	342.7	Measured	0.247	Measured	1387.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/20/2025	23	1	130		373.8	Measured	0.269	Calculated	145.8	Measured	0.105	Calculated	355.9	Measured	0.256	Measured	1390.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	0	1	130		374.2	Measured	0.272	Calculated	144.2	Measured	0.105	Calculated	353.3	Measured	0.257	Measured	1374.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	1	1	130		377.8	Measured	0.272	Calculated	145.6	Measured	0.105	Calculated	345.6	Measured	0.249	Measured	1388.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	2	1	129		378.3	Measured	0.272	Calculated	145.6	Measured	0.105	Calculated	352.7	Measured	0.254	Measured	1388.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	3	1	130		378.4	Measured	0.274	Calculated	145	Measured	0.105	Calculated	329.1	Measured	0.238	Measured	1382.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	4	1	129		360.4	Measured	0.263	Calculated	143.5	Measured	0.105	Calculated	316.1	Measured	0.231	Measured	1368.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	5	1	130		369.4	Measured	0.267	Calculated	145.1	Measured	0.105	Calculated	347.3	Measured	0.251	Measured	1383.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	6	1	129		371.4	Measured	0.268	Calculated	145.2	Measured	0.105	Calculated	347.5	Measured	0.251	Measured	1384.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	7	1	130		370.3	Measured	0.267	Calculated	145.4	Measured	0.105	Calculated	352.2	Measured	0.254	Measured	1386.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	8	1	129		372	Measured	0.269	Calculated	145	Measured	0.105	Calculated	352.5	Measured	0.255	Measured	1382.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	9	1	130		374.6	Measured	0.271	Calculated	145.1	Measured	0.105	Calculated	326.6	Measured	0.236	Measured	1383.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	10	1	130		369.5	Measured	0.266	Calculated	145.6	Measured	0.105	Calculated	320.6	Measured	0.231	Measured	1388	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	11	1	130		367.9	Measured	0.264	Calculated	145.9	Measured	0.105	Calculated	340.9	Measured	0.245	Measured	1391.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	12	1	130		375.8	Measured	0.271	Calculated	145.6	Measured	0.105	Calculated	342.9	Measured	0.247	Measured	1388.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	13	1	130		372.9	Measured	0.269	Calculated	145.5	Measured	0.105	Calculated	342.6	Measured	0.247	Measured	1386.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	14	1	130		374.3	Measured	0.267	Calculated	146.9	Measured	0.105	Calculated	350.1	Measured	0.25	Measured	1400.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	15	1	130		375.7	Measured	0.268	Calculated	146.9	Measured	0.105	Calculated	353	Measured	0.252	Measured	1400.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	16	1	130		369.4	Measured	0.266	Calculated	145.5	Measured	0.105	Calculated	353.6	Measured	0.255	Measured	1386.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	17	1	130		382	Measured	0.275	Calculated	145.6	Measured	0.105	Calculated	341.5	Measured	0.246	Measured	1388.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	18	1	130		379.5	Measured	0.271	Calculated	147	Measured	0.105	Calculated	328	Measured	0.234	Measured	1401.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	19	1	129		380.5	Measured	0.275	Calculated	145.2	Measured	0.105	Calculated	332.2	Measured	0.24	Measured	1384	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	20	1	130		367.6	Measured	0.265	Calculated	145.7	Measured	0.105	Calculated	341.6	Measured	0.246	Measured	1388.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	21	1	130		377.1	Measured	0.272	Calculated	145.5	Measured	0.105	Calculated	364.8	Measured	0.263	Measured	1387	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	22	1	130		378.6	Measured	0.273	Calculated	145.6	Measured	0.105	Calculated	362.2	Measured	0.261	Measured	1387.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/21/2025	23	1	130		381	Measured	0.275	Calculated	145.4	Measured	0.105	Calculated	363.1	Measured	0.262	Measured	1386	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	0	1	130		375.4	Measured	0.272	Calculated	144.6	Measured	0.105	Calculated	369.6	Measured	0.268	Measured	1379.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	1	1	130		367.6	Measured	0.265	Calculated	145.4	Measured	0.105	Calculated	368.7	Measured	0.266	Measured	1386	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	2	1	130		384.8	Measured	0.277	Calculated	145.5	Measured	0.105	Calculated	367.7	Measured	0.265	Measured	1387.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	3	1	129		379.7	Measured	0.273	Calculated	145.7	Measured	0.105	Calculated	348.6	Measured	0.251	Measured	1389	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	4	1	130		365.7	Measured	0.267	Calculated	143.9	Measured	0.105	Calculated	366.3	Measured	0.267	Measured	1372	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	5	1	129		369.8	Measured	0.268	Calculated	144.8	Measured	0.105	Calculated	382.4	Measured	0.277	Measured	1380.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	6	1	130		382.1	Measured	0.276	Calculated	145.3	Measured	0.105	Calculated	374	Measured	0.27	Measured	1385.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	7	1	130		381	Measured	0.275	Calculated	145	Measured	0.105	Calculated	334.7	Measured	0.242	Measured	1383	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	8	1	129		377.4	Measured	0.271	Calculated	145.9	Measured	0.105	Calculated	336.7	Measured	0.242	Measured	1391.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	9	1	130		377.6	Measured	0.272	Calculated	145.7	Measured	0.105	Calculated	359.8	Measured	0.259	Measured	1389.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		9/22/2025	10	1	130		375.7	Measured	0.269	Calculated	146.6	Measured	0.105	Calculated	373.2	Measured	0.267	Measured	1397.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	11	1	130		370.3	Measured	0.267	Calculated	145.5	Measured	0.105	Calculated	373.1	Measured	0.269	Measured	1387	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	12	1	129		377.5	Measured	0.269	Calculated	147.3	Measured	0.105	Calculated	372.1	Measured	0.265	Measured	1404.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	13	1	130		375.1	Measured	0.267	Calculated	147.3	Measured	0.105	Calculated	373.7	Measured	0.266	Measured	1404.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	14	1	130		373.4	Measured	0.265	Calculated	147.7	Measured	0.105	Calculated	371.7	Measured	0.264	Measured	1407.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	15	1	130		375.2	Measured	0.267	Calculated	147.2	Measured	0.105	Calculated	363.5	Measured	0.259	Measured	1403.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	16	1	130		371.3	Measured	0.266	Calculated	146.5	Measured	0.105	Calculated	359	Measured	0.257	Measured	1396.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	17	1	130		367.2	Measured	0.264	Calculated	145.7	Measured	0.105	Calculated	359.8	Measured	0.259	Measured	1389.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	18	1	130		371.2	Measured	0.267	Calculated	145.8	Measured	0.105	Calculated	346.1	Measured	0.249	Measured	1390	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	19	1	130		376	Measured	0.269	Calculated	146.8	Measured	0.105	Calculated	334.6	Measured	0.239	Measured	1399.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	20	1	129		384.3	Measured	0.276	Calculated	146	Measured	0.105	Calculated	346.6	Measured	0.249	Measured	1392	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	21	1	130		376.7	Measured	0.272	Calculated	145.3	Measured	0.105	Calculated	349.1	Measured	0.252	Measured	1385.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	22	1	130		372.5	Measured	0.269	Calculated	145.3	Measured	0.105	Calculated	358.9	Measured	0.259	Measured	1385.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/22/2025	23	1	130		507.3	Measured	0.365	Calculated	145.6	Measured	0.105	Calculated	363.8	Measured	0.262	Measured	1388.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	0	1	130		459.4	Measured	0.331	Calculated	145.4	Measured	0.105	Calculated	350.7	Measured	0.253	Measured	1386	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	1	1	130		378.5	Measured	0.275	Calculated	144.4	Measured	0.105	Calculated	322.1	Measured	0.234	Measured	1376.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	2	1	129		370.4	Measured	0.266	Calculated	146	Measured	0.105	Calculated	332.6	Measured	0.239	Measured	1391.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	3	1	130		368.6	Measured	0.265	Calculated	145.9	Measured	0.105	Calculated	324.1	Measured	0.233	Measured	1390.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	4	1	131		385.1	Measured	0.279	Calculated	144.7	Measured	0.105	Calculated	331	Measured	0.24	Measured	1379.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	5	1	130		384.5	Measured	0.277	Calculated	145.7	Measured	0.105	Calculated	354.3	Measured	0.255	Measured	1389.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	6	1	129		373.8	Measured	0.27	Calculated	145.4	Measured	0.105	Calculated	360.3	Measured	0.26	Measured	1385.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	7	1	130		373.6	Measured	0.268	Calculated	146.3	Measured	0.105	Calculated	348.6	Measured	0.25	Measured	1394.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	8	1	130		375.9	Measured	0.269	Calculated	146.5	Measured	0.105	Calculated	356.1	Measured	0.255	Measured	1396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	9	1	129		376.6	Measured	0.272	Calculated	145.3	Measured	0.105	Calculated	363	Measured	0.262	Measured	1385.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	10	1	130		378.9	Measured	0.273	Calculated	145.7	Measured	0.105	Calculated	359.8	Measured	0.259	Measured	1389	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	11	1	129		365.2	Measured	0.263	Calculated	145.8	Measured	0.105	Calculated	367.1	Measured	0.264	Measured	1390.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	12	1	130		369.1	Measured	0.266	Calculated	145.7	Measured	0.105	Calculated	361.1	Measured	0.26	Measured	1388.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	13	1	130		376.4	Measured	0.268	Calculated	147.2	Measured	0.105	Calculated	341	Measured	0.243	Measured	1403.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	14	1	130		363.4	Measured	0.259	Calculated	147.1	Measured	0.105	Calculated	353.4	Measured	0.252	Measured	1402.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	15	1	130		364.2	Measured	0.261	Calculated	146.4	Measured	0.105	Calculated	368.6	Measured	0.264	Measured	1396.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	16	1	130		378	Measured	0.269	Calculated	147.5	Measured	0.105	Calculated	360	Measured	0.256	Measured	1406.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	17	1	130		370.3	Measured	0.266	Calculated	145.7	Measured	0.105	Calculated	348.8	Measured	0.251	Measured	1389.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	18	1	130		370.9	Measured	0.267	Calculated	145.8	Measured	0.105	Calculated	368.5	Measured	0.265	Measured	1390.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	19	1	130		377.9	Measured	0.271	Calculated	146.4	Measured	0.105	Calculated	358.8	Measured	0.257	Measured	1396.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	20	1	130		371.2	Measured	0.264	Calculated	147.2	Measured	0.105	Calculated	366.4	Measured	0.261	Measured	1403.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	21	1	130		375.4	Measured	0.269	Calculated	146.3	Measured	0.105	Calculated	362.6	Measured	0.26	Measured	1394.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	22	1	130		377.1	Measured	0.269	Calculated	146.9	Measured	0.105	Calculated	348.8	Measured	0.249	Measured	1400.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/23/2025	23	1	129		383.7	Measured	0.273	Calculated	147.7	Measured	0.105	Calculated	353.4	Measured	0.251	Measured	1407.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	0	1	130		385.8	Measured	0.274	Calculated	147.5	Measured	0.105	Calculated	358.6	Measured	0.255	Measured	1406.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	1	1	130		377.5	Measured	0.269	Calculated	147.4	Measured	0.105	Calculated	344.3	Measured	0.245	Measured	1405.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	2	1	130		382.4	Measured	0.275	Calculated	146.1	Measured	0.105	Calculated	348.2	Measured	0.25	Measured	1392.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	3	1	130		376.7	Measured	0.27	Calculated	146.6	Measured	0.105	Calculated	339.6	Measured	0.243	Measured	1397.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	4	1	130		371.7	Measured	0.269	Calculated	144.8	Measured	0.105	Calculated	346.6	Measured	0.251	Measured	1381	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	5	1	130		369.9	Measured	0.264	Calculated	146.7	Measured	0.105	Calculated	360.9	Measured	0.258	Measured	1398.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	6	1	130		377.9	Measured	0.27	Calculated	146.7	Measured	0.105	Calculated	368	Measured	0.263	Measured	1399.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	7	1	130		377.7	Measured	0.271	Calculated	146	Measured	0.105	Calculated	369	Measured	0.265	Measured	1392.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	8	1	130		373.5	Measured	0.27	Calculated	145.1	Measured	0.105	Calculated	359.6	Measured	0.26	Measured	1383.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	9	1	129		367	Measured	0.264	Calculated	145.9	Measured	0.105	Calculated	328.3	Measured	0.236	Measured	1391.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	10	1	130		376.2	Measured	0.27	Calculated	146.2	Measured	0.105	Calculated	334.6	Measured	0.24	Measured	1394.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	11	1	130		371.7	Measured	0.267	Calculated	145.9	Measured	0.105	Calculated	340.9	Measured	0.245	Measured	1391.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	12	1	130		368.7	Measured	0.266	Calculated	145.6	Measured	0.105	Calculated	353.9	Measured	0.255	Measured	1388	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	13	1	130		375.8	Measured	0.27	Calculated	146.1	Measured	0.105	Calculated	362.2	Measured	0.26	Measured	1392.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	14	1	130		380.4	Measured	0.275	Calculated	144.8	Measured	0.105	Calculated	360.4	Measured	0.261	Measured	1380.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	15	1	130		383.5	Measured	0.278	Calculated	144.9	Measured	0.105	Calculated	356.4	Measured	0.258	Measured	1381.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	16	1	129		374.2	Measured	0.272	Calculated	144.5	Measured	0.105	Calculated	348.6	Measured	0.253	Measured	1377.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	17	1	130		373	Measured	0.269	Calculated	145.5	Measured	0.105	Calculated	333	Measured	0.24	Measured	1387.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	18	1	130		369.4	Measured	0.266	Calculated	145.5	Measured	0.105	Calculated	327.5	Measured	0.236	Measured	1387.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	19	1	129		374.9	Measured	0.271	Calculated	144.9	Measured	0.105	Calculated	330.3	Measured	0.239	Measured	1381.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	20	1	130		379.5	Measured	0.273	Calculated	145.9	Measured	0.105	Calculated	349.1	Measured	0.251	Measured	1391	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	21	1	130		375.7	Measured	0.27	Calculated	146	Measured	0.105	Calculated	345.3	Measured	0.248	Measured	1392.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	22	1	130		379.8	Measured	0.273	Calculated	145.7	Measured	0.105	Calculated	338.9	Measured	0.244	Measured	1389.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/24/2025	23	1	130		507.6	Measured	0.367	Calculated	144.9	Measured	0.105	Calculated	357.8	Measured	0.259	Measured	1381.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	0	1	130		388.1	Measured	0.279	Calculated	146	Measured	0.105	Calculated	339.6	Measured	0.244	Measured	1392	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	1	1	130		376.1	Measured	0.269	Calculated	146.4	Measured	0.105	Calculated	321	Measured	0.23	Measured	1395.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	2	1	130		372.8	Measured	0.268	Calculated	145.7	Measured	0.105	Calculated	312.6	Measured	0.225	Measured	1389.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	3	1	130		373.3	Measured	0.27	Calculated	145.3	Measured	0.105	Calculated	321.3	Measured	0.232	Measured	1385	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	4	1	130		354.5	Measured	0.257	Calculated	144.6	Measured	0.105	Calculated	333.7	Measured	0.242	Measured	1379.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	5	1	130		379	Measured	0.272	Calculated	146.2	Measured	0.105	Calculated	344.2	Measured	0.247	Measured	1393.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	6	1	130		384.1	Measured	0.276	Calculated	146.1	Measured	0.105	Calculated	349.5	Measured	0.251	Measured	1392.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	7	1	129		375.2	Measured	0.272	Calculated	144.6	Measured	0.105	Calculated	348.8	Measured	0.253	Measured	1378.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	8	1	130		371.4	Measured	0.269	Calculated	144.6	Measured	0.105	Calculated	343.2	Measured	0.249	Measured	1378.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	9	1	130		370.7	Measured	0.269	Calculated	144.5	Measured	0.105	Calculated	333.3	Measured	0.242	Measured	1377.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	10	1	130		372.3	Measured	0.269	Calculated	145.2	Measured	0.105	Calculated	337.9	Measured	0.244	Measured	1384.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	11	1	131		371.6	Measured	0.268	Calculated	145.4	Measured	0.105	Calculated	341.1	Measured	0.246	Measured	1386.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	12	1	187		595.3	Measured	0.311	Calculated	200.7	Measured	0.105	Calculated	285.2	Measured	0.149	Measured	1914.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	13	1	209		670.3	Measured	0.315	Calculated	223.5	Measured	0.105	Calculated	311.1	Measured	0.146	Measured	2130.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	14	1	213		593.8	Measured	0.273	Calculated	227.8	Measured	0.105	Calculated	317.2	Measured	0.146	Measured	2172.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	15	1	215		565.4	Measured	0.26	Calculated	228.5	Measured	0.105	Calculated	307.2	Measured	0.141	Measured	2178.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	16	1	219		569.8	Measured	0.256	Calculated	233	Measured	0.105	Calculated	322.2	Measured	0.145	Measured	2222	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	17	1	232		615.8	Measured	0.263	Calculated	246	Measured	0.105	Calculated	356.5	Measured	0.152	Measured	2345.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	18	1	232		624.4	Measured	0.266	Calculated	245.8	Measured	0.105	Calculated	353.9	Measured	0.151	Measured	2343.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	19	1	233		624.8	Measured	0.267	Calculated	245.7	Measured	0.105	Calculated	351.5	Measured	0.15	Measured	2343	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	20	1	233		634.1	Measured	0.271	Calculated	245.8	Measured	0.105	Calculated	351.6	Measured	0.15	Measured	2344	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	21	1	233		637.7	Measured	0.274	Calculated	244.2	Measured	0.105	Calculated	349.3	Measured	0.15	Measured	2328.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	22	1	232		545.8	Measured	0.234	Calculated	244.6	Measured	0.105	Calculated	345.2	Measured	0.148	Measured	2332.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/25/2025	23	1	233		528.6	Measured	0.224	Calculated	248	Measured	0.105	Calculated	347.6	Measured	0.147	Measured	2364.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	0	1	233		602.2	Measured	0.254	Calculated	248.3	Measured	0.105	Calculated	371.7	Measured	0.157	Measured	2367.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	1	1	233		639	Measured	0.27	Calculated	248.4	Measured	0.105	Calculated	371.9	Measured	0.157	Measured	2368.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	2	1	233		630.9	Measured	0.267	Calculated	247.9	Measured	0.105	Calculated	371.1	Measured	0.157	Measured	2363.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	3	1	232		617.7	Measured	0.263	Calculated	246.7	Measured	0.105	Calculated	371.7	Measured	0.158	Measured	2352.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	4	1	232		608.3	Measured	0.261	Calculated	244.1	Measured	0.105	Calculated	377.1	Measured	0.162	Measured	2327.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	5	1	233		618.3	Measured	0.262	Calculated	247.3	Measured	0.105	Calculated	379.7	Measured	0.161	Measured	2358.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	6	1	233		633.7	Measured	0.269	Calculated	247.4	Measured	0.105	Calculated	384.4	Measured	0.163	Measured	2358.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	7	1	233		699.7	Measured	0.294	Calculated	249.5	Measured	0.105	Calculated	383	Measured	0.161	Measured	2378.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	8	1	232		697.3	Measured	0.294	Calculated	249.2	Measured	0.105	Calculated	382.5	Measured	0.161	Measured	2375.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	9	1	232		615.6	Measured	0.259	Calculated	249.7	Measured	0.105	Calculated	378.5	Measured	0.159	Measured	2380.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	10	1	233		615.7	Measured	0.26	Calculated	248.7	Measured	0.105	Calculated	379.5	Measured	0.16	Measured	2371.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	11	1	233		646.4	Measured	0.271	Calculated	250.6	Measured	0.105	Calculated	372.7	Measured	0.156	Measured	2389.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	12	1	233		637.2	Measured	0.27	Calculated	247.5	Measured	0.105	Calculated	372.9	Measured	0.158	Measured	2360.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	13	1	232		658.3	Measured	0.279	Calculated	247.7	Measured	0.105	Calculated	377.8	Measured	0.16	Measured	2361.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	14	1	233		690.4	Measured	0.291	Calculated	249.1	Measured	0.105	Calculated	382.4	Measured	0.161	Measured	2374.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	15	1	233		640.3	Measured	0.27	Calculated	248.7	Measured	0.105	Calculated	377.1	Measured	0.159	Measured	2371.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	16	1	233		591.3	Measured	0.25	Calculated	248.3	Measured	0.105	Calculated	374	Measured	0.158	Measured	2367.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	17	1	233		612.1	Measured	0.258	Calculated	249.2	Measured	0.105	Calculated	375.5	Measured	0.158	Measured	2376.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	18	1	233		631.5	Measured	0.266	Calculated	249.3	Measured	0.105	Calculated	375.6	Measured	0.158	Measured	2377	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	19	1	233		659.6	Measured	0.279	Calculated	248.4	Measured	0.105	Calculated	378.9	Measured	0.16	Measured	2368.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	20	1	232		660.6	Measured	0.28	Calculated	247.8	Measured	0.105	Calculated	375.7	Measured	0.159	Measured	2363	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	21	1	232		649.1	Measured	0.276	Calculated	247	Measured	0.105	Calculated	372	Measured	0.158	Measured	2354.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	22	1	232		628.7	Measured	0.266	Calculated	247.6	Measured	0.105	Calculated	384.8	Measured	0.163	Measured	2360.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/26/2025	23	1	233		628.6	Measured	0.265	Calculated	248.9	Measured	0.105	Calculated	384.4	Measured	0.162	Measured	2373	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	0	1	233		631.9	Measured	0.266	Calculated	249.2	Measured	0.105	Calculated	382.6	Measured	0.161	Measured	2376.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	1	1	232		602.9	Measured	0.254	Calculated	248.9	Measured	0.105	Calculated	386.8	Measured	0.163	Measured	2372.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	2	1	233		601.8	Measured	0.254	Calculated	248.4	Measured	0.105	Calculated	386	Measured	0.163	Measured	2368.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	3	1	233		624.9	Measured	0.264	Calculated	248.4	Measured	0.105	Calculated	383.7	Measured	0.162	Measured	2368.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	4	1	233		634.2	Measured	0.273	Calculated	243.8	Measured	0.105	Calculated	378.9	Measured	0.163	Measured	2324.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	5	1	233		636.6	Measured	0.27	Calculated	247.5	Measured	0.105	Calculated	387.1	Measured	0.164	Measured	2360.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	6	1	233		647.1	Measured	0.275	Calculated	247.1	Measured	0.105	Calculated	391.1	Measured	0.166	Measured	2356.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	7	1	233		646.3	Measured	0.273	Calculated	248.5	Measured	0.105	Calculated	395.6	Measured	0.167	Measured	2369	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	8	1	233		668.7	Measured	0.28	Calculated	250.9	Measured	0.105	Calculated	397.1	Measured	0.166	Measured	2392.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	9	1	233		665.9	Measured	0.278	Calculated	251	Measured	0.105	Calculated	394.9	Measured	0.165	Measured	2393.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	10	1	233		632.6	Measured	0.266	Calculated	249.8	Measured	0.105	Calculated	393	Measured	0.165	Measured	2381.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	11	1	232		624.7	Measured	0.262	Calculated	250.1	Measured	0.105	Calculated	395.9	Measured	0.166	Measured	2384.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	12	1	233		640.4	Measured	0.267	Calculated	251.4	Measured	0.105	Calculated	405.1	Measured	0.169	Measured	2397.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	13	1	233		642.1	Measured	0.268	Calculated	251.6	Measured	0.105	Calculated	407.8	Measured	0.17	Measured	2398.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	14	1	233		648.9	Measured	0.271	Calculated	250.9	Measured	0.105	Calculated	409.1	Measured	0.171	Measured	2392.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	15	1	233		691.6	Measured	0.29	Calculated	250	Measured	0.105	Calculated	412.4	Measured	0.173	Measured	2383.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	16	1	232		712.7	Measured	0.3	Calculated	248.9	Measured	0.105	Calculated	403.5	Measured	0.17	Measured	2373.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	17	1	232		643.7	Measured	0.269	Calculated	250.5	Measured	0.105	Calculated	403.7	Measured	0.169	Measured	2388.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	18	1	233		607.6	Measured	0.256	Calculated	248.9	Measured	0.105	Calculated	394	Measured	0.166	Measured	2373.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	19	1	233		656.7	Measured	0.275	Calculated	250.1	Measured	0.105	Calculated	388.7	Measured	0.163	Measured	2384.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	20	1	232		664.8	Measured	0.28	Calculated	249.2	Measured	0.105	Calculated	384.9	Measured	0.162	Measured	2376.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	21	1	233		651.2	Measured	0.272	Calculated	251.5	Measured	0.105	Calculated	390.9	Measured	0.163	Measured	2397.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	22	1	233		613.5	Measured	0.258	Calculated	249.8	Measured	0.105	Calculated	400.2	Measured	0.168	Measured	2381.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/27/2025	23	1	232		613.2	Measured	0.256	Calculated	251.6	Measured	0.105	Calculated	405.4	Measured	0.169	Measured	2398.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	0	1	233		632.7	Measured	0.264	Calculated	251.7	Measured	0.105	Calculated	408	Measured	0.17	Measured	2400.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	1	1	233		639.4	Measured	0.269	Calculated	249.4	Measured	0.105	Calculated	404.2	Measured	0.17	Measured	2377.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	2	1	233		636.8	Measured	0.267	Calculated	250.5	Measured	0.105	Calculated	403.6	Measured	0.169	Measured	2388	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	3	1	233		635.5	Measured	0.266	Calculated	250.6	Measured	0.105	Calculated	391.8	Measured	0.164	Measured	2389.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	4	1	233		599.1	Measured	0.255	Calculated	246.7	Measured	0.105	Calculated	388.1	Measured	0.165	Measured	2352.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	1		9/28/2025	5	1	233		641.7	Measured	0.27	Calculated	249.3	Measured	0.105	Calculated	392.1	Measured	0.165	Measured	2376.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	6	1	233		642.4	Measured	0.268	Calculated	251.1	Measured	0.105	Calculated	395.1	Measured	0.165	Measured	2394.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	7	1	233		683.9	Measured	0.287	Calculated	249.6	Measured	0.105	Calculated	390.3	Measured	0.164	Measured	2380	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	8	1	232		700.5	Measured	0.294	Calculated	249.7	Measured	0.105	Calculated	385.7	Measured	0.162	Measured	2380.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	9	1	233		653.4	Measured	0.275	Calculated	249.5	Measured	0.105	Calculated	383	Measured	0.161	Measured	2378.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	10	1	233		647.9	Measured	0.272	Calculated	249.7	Measured	0.105	Calculated	383.4	Measured	0.161	Measured	2381.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	11	1	233		633.1	Measured	0.264	Calculated	251.5	Measured	0.105	Calculated	381.3	Measured	0.159	Measured	2397.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	12	1	233		616.5	Measured	0.258	Calculated	250.5	Measured	0.105	Calculated	384.6	Measured	0.161	Measured	2388.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	13	1	232		676.2	Measured	0.282	Calculated	251.3	Measured	0.105	Calculated	390.5	Measured	0.163	Measured	2395.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	14	1	232		713.9	Measured	0.297	Calculated	251.8	Measured	0.105	Calculated	391.4	Measured	0.163	Measured	2401.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	15	1	233		689.1	Measured	0.289	Calculated	250.3	Measured	0.105	Calculated	384.2	Measured	0.161	Measured	2386.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	16	1	233		683.7	Measured	0.287	Calculated	249.4	Measured	0.105	Calculated	380.5	Measured	0.16	Measured	2378.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	17	1	233		674.7	Measured	0.284	Calculated	248.8	Measured	0.105	Calculated	379.6	Measured	0.16	Measured	2372.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	18	1	235		620	Measured	0.258	Calculated	252.3	Measured	0.105	Calculated	377.7	Measured	0.157	Measured	2405.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	19	1	233		572.8	Measured	0.239	Calculated	251.6	Measured	0.105	Calculated	386.2	Measured	0.161	Measured	2398.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	20	1	232		606	Measured	0.254	Calculated	250.3	Measured	0.105	Calculated	381.8	Measured	0.16	Measured	2386.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	21	1	232		631.3	Measured	0.265	Calculated	249.4	Measured	0.105	Calculated	382.9	Measured	0.161	Measured	2378	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	22	1	232		584.3	Measured	0.246	Calculated	249.5	Measured	0.105	Calculated	383	Measured	0.161	Measured	2379	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/28/2025	23	1	233		706.2	Measured	0.296	Calculated	250.4	Measured	0.105	Calculated	382	Measured	0.16	Measured	2387.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	0	1	233		654.3	Measured	0.275	Calculated	249.4	Measured	0.105	Calculated	368.6	Measured	0.155	Measured	2378.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	1	1	233		715.6	Measured	0.302	Calculated	248.4	Measured	0.105	Calculated	367.1	Measured	0.155	Measured	2368.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	2	1	232		668.5	Measured	0.282	Calculated	248.4	Measured	0.105	Calculated	374.2	Measured	0.158	Measured	2368.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	3	1	233		669.1	Measured	0.282	Calculated	249.1	Measured	0.105	Calculated	377.7	Measured	0.159	Measured	2375.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	4	1	233		709.1	Measured	0.304	Calculated	244.7	Measured	0.105	Calculated	380.3	Measured	0.163	Measured	2333.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	5	1	233		672.3	Measured	0.285	Calculated	247.1	Measured	0.105	Calculated	386.4	Measured	0.164	Measured	2356.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	6	1	233		600.2	Measured	0.252	Calculated	250.1	Measured	0.105	Calculated	381.6	Measured	0.16	Measured	2384.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	7	1	232		637.1	Measured	0.27	Calculated	247.2	Measured	0.105	Calculated	377.1	Measured	0.16	Measured	2357	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	8	1	232		654	Measured	0.276	Calculated	248.1	Measured	0.105	Calculated	383.3	Measured	0.162	Measured	2366	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	9	1	233		637.1	Measured	0.267	Calculated	250.3	Measured	0.105	Calculated	389.1	Measured	0.163	Measured	2386.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	10	1	232		605.1	Measured	0.252	Calculated	252.3	Measured	0.105	Calculated	389.7	Measured	0.162	Measured	2405.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	11	1	233		614.9	Measured	0.254	Calculated	253.8	Measured	0.105	Calculated	389.6	Measured	0.161	Measured	2419.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	12	1	233		649	Measured	0.268	Calculated	254.3	Measured	0.105	Calculated	392.7	Measured	0.162	Measured	2424.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	13	1	233		680.5	Measured	0.281	Calculated	254.2	Measured	0.105	Calculated	392.6	Measured	0.162	Measured	2423.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	14	1	232		670.4	Measured	0.276	Calculated	254.6	Measured	0.105	Calculated	393.2	Measured	0.162	Measured	2427.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	15	1	233		662.4	Measured	0.273	Calculated	254.6	Measured	0.105	Calculated	388.4	Measured	0.16	Measured	2427.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	16	1	233		641.8	Measured	0.264	Calculated	255.2	Measured	0.105	Calculated	382.1	Measured	0.157	Measured	2433.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	17	1	233		648.3	Measured	0.268	Calculated	253.5	Measured	0.105	Calculated	386.7	Measured	0.16	Measured	2417.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	18	1	232		657.6	Measured	0.271	Calculated	254.4	Measured	0.105	Calculated	380.8	Measured	0.157	Measured	2425.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	19	1	232		703	Measured	0.292	Calculated	252.9	Measured	0.105	Calculated	380.9	Measured	0.158	Measured	2411	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	20	1	233		673.9	Measured	0.279	Calculated	252.9	Measured	0.105	Calculated	383.4	Measured	0.159	Measured	2411.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	21	1	233		655.7	Measured	0.272	Calculated	253.2	Measured	0.105	Calculated	386.3	Measured	0.16	Measured	2414.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	22	1	234		630.4	Measured	0.26	Calculated	253.9	Measured	0.105	Calculated	394.6	Measured	0.163	Measured	2421	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/29/2025	23	1	233		631.1	Measured	0.264	Calculated	251.1	Measured	0.105	Calculated	395	Measured	0.165	Measured	2394	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	0	1	232		647	Measured	0.272	Calculated	249.9	Measured	0.105	Calculated	395.5	Measured	0.166	Measured	2382.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	1	1	232		624.8	Measured	0.262	Calculated	250.4	Measured	0.105	Calculated	396.4	Measured	0.166	Measured	2387.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	2	1	233		633.9	Measured	0.263	Calculated	252.6	Measured	0.105	Calculated	404.7	Measured	0.168	Measured	2408.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	3	1	233		648.4	Measured	0.27	Calculated	252.3	Measured	0.105	Calculated	401.7	Measured	0.167	Measured	2405.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	4	1	233		648.1	Measured	0.274	Calculated	247.7	Measured	0.105	Calculated	394.5	Measured	0.167	Measured	2362	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	5	1	233		657.1	Measured	0.274	Calculated	251.4	Measured	0.105	Calculated	405.1	Measured	0.169	Measured	2397.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	6	1	233		643	Measured	0.27	Calculated	249.8	Measured	0.105	Calculated	407.2	Measured	0.171	Measured	2381.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	7	1	233		641	Measured	0.268	Calculated	251.3	Measured	0.105	Calculated	404.9	Measured	0.169	Measured	2396	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	8	1	233		632.7	Measured	0.266	Calculated	249.5	Measured	0.105	Calculated	397.3	Measured	0.167	Measured	2379.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	9	1	233		623	Measured	0.26	Calculated	251.3	Measured	0.105	Calculated	400.2	Measured	0.167	Measured	2396.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	10	1	232		572.4	Measured	0.238	Calculated	251.8	Measured	0.105	Calculated	393.7	Measured	0.164	Measured	2400.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	11	1	233		585.1	Measured	0.242	Calculated	253.8	Measured	0.105	Calculated	399.3	Measured	0.165	Measured	2419.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	12	1	233		627.7	Measured	0.26	Calculated	253.1	Measured	0.105	Calculated	405.4	Measured	0.168	Measured	2413	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	13	1	233		640.8	Measured	0.264	Calculated	255	Measured	0.105	Calculated	403.5	Measured	0.166	Measured	2430.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	14	1	232		628.4	Measured	0.259	Calculated	254.2	Measured	0.105	Calculated	404.8	Measured	0.167	Measured	2424	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	15	1	233		630.8	Measured	0.258	Calculated	256.6	Measured	0.105	Calculated	401.2	Measured	0.164	Measured	2446.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	16	1	232		636.8	Measured	0.261	Calculated	256	Measured	0.105	Calculated	390.5	Measured	0.16	Measured	2440.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	17	1	232		668.7	Measured	0.276	Calculated	253.9	Measured	0.105	Calculated	387.4	Measured	0.16	Measured	2421.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	18	1	233		684.6	Measured	0.284	Calculated	253.1	Measured	0.105	Calculated	383.8	Measured	0.159	Measured	2413.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	19	1	233		618.9	Measured	0.255	Calculated	254.2	Measured	0.105	Calculated	383	Measured	0.158	Measured	2424.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	20	1	233		621.8	Measured	0.258	Calculated	252.7	Measured	0.105	Calculated	383	Measured	0.159	Measured	2409.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	21	1	233		625.4	Measured	0.261	Calculated	251.4	Measured	0.105	Calculated	381.2	Measured	0.159	Measured	2397.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	22	1	232		604.5	Measured	0.253	Calculated	250.6	Measured	0.105	Calculated	377.5	Measured	0.158	Measured	2389.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		9/30/2025	23	1	233		621.8	Measured	0.261	Calculated	250.2	Measured	0.105	Calculated	374.5	Measured	0.157	Measured	2385.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/25/2025	20	0.43	0		0	Measured	0	Calculated	1.118	Measured	0.105	Calculated	0	Measured	0.001	Measured	10.664	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/25/2025	21	1	0		0	Measured	0	Calculated	17	Measured and	0.105	Calculated	0.2	Measured and Su	0.001	Substitute	162.3	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/25/2025	22	1	0		0	Measured	0	Calculated	17.2	Measured and	0.105	Calculated	0.2	Measured and Su	0.001	Substitute	163.8	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/25/2025	23	1	0		0	Measured	0	Calculated	17.4	Measured and	0.105	Calculated	0.2	Measured and Su	0.001	Substitute	165.4	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	0	1	0		0	Measured	0	Calculated	17.1	Measured and	0.105	Calculated	0.2	Measured and Su	0.001	Substitute	163.3	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	1	1	0		0	Measured	0	Calculated	17	Measured and	0.105	Calculated	0.2	Measured and Su	0.001	Substitute	162	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	2	1	0		0	Measured	0	Calculated	16.9	Measured and	0.105	Calculated	0.2	Measured and Su	0.001	Substitute	160.9	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	3	1	0		6.5	Measured	0.023	Calculated	30.2	Measured	0.105	Calculated	0.3	Measured and Su	0.001	Substitute	287.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	4	1	0		7.7	Measured	0.023	Calculated	34.4	Measured	0.105	Calculated	0.3	Measured and Su	0.001	Substitute	328.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	5	1	0		42.1	Measured	0.118	Calculated	37.3	Measured	0.105	Calculated	56.9	Measured	0.16	Measured	355.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	6	1	0		19.8	Measured	0.051	Calculated	40.4	Measured	0.105	Calculated	61.3	Measured	0.159	Measured	385.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	7	1	0		33.8	Measured	0.093	Calculated	38.1	Measured	0.105	Calculated	54.5	Measured	0.15	Measured	363.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	8	1	0		12.4	Measured	0.041	Calculated	31.4	Measured	0.105	Calculated	37.1	Measured	0.124	Measured	299.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	9	1	0		8.8	Measured	0.031	Calculated	30.1	Measured	0.105	Calculated	33	Measured	0.115	Measured	287.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	10	1	0		21.3	Measured	0.064	Calculated	35	Measured	0.105	Calculated	44	Measured	0.132	Measured	333.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	11	0.35	0		9.555	Measured	0.075	Calculated	13.335	Measured	0.105	Calculated	18.83	Measured	0.148	Measured	127.19	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	18	0.22	0		0	Measured	0	Calculated	0.572	Measured	0.106	Calculated	0.022	Measured	0.003	Measured	5.39	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	19	1	0		0	Measured	0	Calculated	10.4	Measured	0.105	Calculated	1	Measured	0.01	Measured	99	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	20	1	0		0	Measured	0	Calculated	11.9	Measured	0.105	Calculated	1.6	Measured	0.014	Measured	113.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	21	1	0		0.9	Measured	0.003	Calculated	27.4	Measured	0.105	Calculated	23.8	Measured	0.091	Measured	261	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	22	1	0		5.6	Measured	0.019	Calculated	31.2	Measured	0.105	Calculated	34.7	Measured	0.117	Measured	297	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	23	1	0		18.4	Measured	0.068	Calculated	28.5	Measured	0.105	Calculated	31.5	Measured	0.116	Measured	271.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	0	1	0		15	Measured	0.053	Calculated	29.7	Measured	0.105	Calculated	32.8	Measured	0.116	Measured	283.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	1	1	0		32.8	Measured	0.096	Calculated	35.9	Measured	0.105	Calculated	51.1	Measured	0.149	Measured	342.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	2	1	0		18.2	Measured	0.051	Calculated	37.5	Measured	0.105	Calculated	55.4	Measured	0.155	Measured	357.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	3	0.4	0		13.2	Measured	0.086	Calculated	16.16	Measured	0.105	Calculated	26.8	Measured	0.174	Measured	154.08	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	12	0.75	0		0	Measured	0	Calculated	2.85	Measured	0.104	Calculated	0.15	Measured	0.005	Measured	27.375	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	13	1	0		0	Measured	0	Calculated	11.5	Measured	0.105	Calculated	1.4	Measured	0.013	Measured	109.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	14	1	0		0.4	Measured	0.002	Calculated	26	Measured	0.105	Calculated	21.8	Measured	0.088	Measured	248.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	15	1	0		3	Measured	0.011	Calculated	29.8	Measured	0.105	Calculated	33.8	Measured	0.119	Measured	284.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	16	1	0		4.5	Measured	0.015	Calculated	31.2	Measured	0.105	Calculated	35.7	Measured	0.12	Measured	297.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	17	1	0		12.9	Measured	0.045	Calculated	30	Measured	0.105	Calculated	34.9	Measured	0.122	Measured	286.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	18	1	0		12.3	Measured	0.041	Calculated	31.4	Measured	0.105	Calculated	38.9	Measured	0.13	Measured	299.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	19	1	0		33.3	Measured	0.101	Calculated	34.5	Measured	0.105	Calculated	47	Measured	0.143	Measured	329	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	20	1	6		38.7	Measured	0.096	Calculated	42.2	Measured	0.105	Calculated	69.2	Measured	0.172	Measured	402.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	21	1	26		40.7	Measured	0.076	Calculated	56.5	Measured	0.105	Calculated	106.1	Measured	0.197	Measured	538.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	22	1	39		53.7	Measured	0.087	Calculated	64.7	Measured	0.105	Calculated	132.6	Measured	0.215	Measured	616.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	23	1	57		93	Measured	0.123	Calculated	79.4	Measured	0.105	Calculated	180.9	Measured	0.239	Measured	757.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	0	1	62		118.2	Measured	0.132	Calculated	93.9	Measured	0.105	Calculated	189.7	Measured	0.212	Measured	895	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	1	1	96		204.8	Measured	0.184	Calculated	116.9	Measured	0.105	Calculated	215.2	Measured	0.193	Measured	1114.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	2	1	136		361.8	Measured	0.265	Calculated	143.4	Measured	0.105	Calculated	269.4	Measured	0.197	Measured	1367.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	3	1	151		389.5	Measured	0.249	Calculated	164.4	Measured	0.105	Calculated	322.8	Measured	0.206	Measured	1567.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	4	1	155		390	Measured	0.239	Calculated	170.9	Measured	0.105	Calculated	332.3	Measured	0.204	Measured	1629	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	5	1	176		470.3	Measured	0.259	Calculated	190.5	Measured	0.105	Calculated	368.7	Measured	0.203	Measured	1816.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	6	1	147		382.8	Measured	0.245	Calculated	163.6	Measured	0.105	Calculated	302.6	Measured	0.194	Measured	1559.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	7	1	145		389	Measured	0.252	Calculated	162.2	Measured	0.105	Calculated	295.4	Measured	0.191	Measured	1546.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	8	1	145		395.9	Measured	0.254	Calculated	163.5	Measured	0.105	Calculated	300.8	Measured	0.193	Measured	1558.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	9	1	145		391.2	Measured	0.253	Calculated	161.9	Measured	0.105	Calculated	296.4	Measured	0.192	Measured	1544	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	10	1	151		412.8	Measured	0.259	Calculated	167.2	Measured	0.105	Calculated	310.9	Measured	0.195	Measured	1594.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	11	1	185		513.6	Measured	0.272	Calculated	198	Measured	0.105	Calculated	394.5	Measured	0.209	Measured	1887.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	12	1	193		491.7	Measured	0.249	Calculated	206.9	Measured	0.105	Calculated	394.5	Measured	0.2	Measured	1972.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	13	1	196		476.8	Measured	0.242	Calculated	206.3	Measured	0.105	Calculated	373.7	Measured	0.19	Measured	1967.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	14	1	200		500	Measured	0.25	Calculated	210.1	Measured	0.105	Calculated	220.4	Measured	0.11	Measured	2003.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	15	1	200		544	Measured	0.274	Calculated	208.3	Measured	0.105	Calculated	99.3	Measured	0.05	Measured	1986.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	16	1	199		470.8	Measured	0.237	Calculated	208.7	Measured	0.105	Calculated	97.5	Measured	0.049	Measured	1989.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	17	1	200		484.9	Measured	0.243	Calculated	209.5	Measured	0.105	Calculated	97.9	Measured	0.049	Measured	1997.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	18	1	200		511.8	Measured	0.257	Calculated	209	Measured	0.105	Calculated	97.7	Measured	0.049	Measured	1993.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	19	1	200		476.9	Measured	0.241	Calculated	207.1	Measured	0.105	Calculated	98.7	Measured	0.05	Measured	1974.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	20	1	200		475.8	Measured	0.239	Calculated	208.6	Measured	0.105	Calculated	99.5	Measured	0.05	Measured	1989.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	21	1	199		526.9	Measured	0.266	Calculated	207.8	Measured	0.105	Calculated	99.1	Measured	0.05	Measured	1981.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	22	1	200		495	Measured	0.25	Calculated	207.8	Measured	0.105	Calculated	95.1	Measured	0.048	Measured	1981.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/28/2025	23	1	200		506.8	Measured	0.254	Calculated	209.6	Measured	0.105	Calculated	97.9	Measured	0.049	Measured	1998.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	0	1	200		489.6	Measured	0.246	Calculated	208.5	Measured	0.105	Calculated	93.4	Measured	0.047	Measured	1988.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	1	1	200		476.4	Measured	0.239	Calculated	208.8	Measured	0.105	Calculated	95.6	Measured	0.048	Measured	1991.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	2	1	200		492.7	Measured	0.248	Calculated	208.2	Measured	0.105	Calculated	103.2	Measured	0.052	Measured	1984.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	3	1	201		509	Measured	0.255	Calculated	209.1	Measured	0.105	Calculated	99.7	Measured	0.05	Measured	1993.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	4	1	199		502.7	Measured	0.254	Calculated	207.8	Measured	0.105	Calculated	95.1	Measured	0.048	Measured	1981.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	5	1	200		497.7	Measured	0.249	Calculated	210	Measured	0.105	Calculated	98.1	Measured	0.049	Measured	2002.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	6	1	201		499.1	Measured	0.25	Calculated	209.2	Measured	0.105	Calculated	101.7	Measured	0.051	Measured	1994.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	7	1	200		501.5	Measured	0.251	Calculated	209.2	Measured	0.105	Calculated	101.7	Measured	0.051	Measured	1994.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	8	1	198		485.8	Measured	0.246	Calculated	207.4	Measured	0.105	Calculated	96.9	Measured	0.049	Measured	1977.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	9	1	200		488.8	Measured	0.247	Calculated	207.4	Measured	0.105	Calculated	96.9	Measured	0.049	Measured	1977	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	2		6/29/2025	10	1	200		491.2	Measured	0.249	Calculated	207.3	Measured	0.105	Calculated	100.8	Measured	0.051	Measured	1976.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	11	1	201		526.6	Measured	0.265	Calculated	208.5	Measured	0.105	Calculated	105.3	Measured	0.053	Measured	1987.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	12	1	200		535.6	Measured	0.27	Calculated	208.2	Measured	0.105	Calculated	107.2	Measured	0.054	Measured	1985.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	13	1	199		493.9	Measured	0.25	Calculated	207.3	Measured	0.105	Calculated	104.8	Measured	0.053	Measured	1976.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	14	1	200		489.5	Measured	0.246	Calculated	208.7	Measured	0.105	Calculated	105.5	Measured	0.053	Measured	1990.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	15	1	200		491.4	Measured	0.246	Calculated	209.3	Measured	0.105	Calculated	107.7	Measured	0.054	Measured	1995.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	16	1	200		497.7	Measured	0.249	Calculated	209.3	Measured	0.105	Calculated	107.7	Measured	0.054	Measured	1995.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	17	1	200		512.5	Measured	0.258	Calculated	208.2	Measured	0.105	Calculated	109.2	Measured	0.055	Measured	1985.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	18	1	200		502.4	Measured	0.252	Calculated	208.8	Measured	0.105	Calculated	107.5	Measured	0.054	Measured	1991.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	19	1	200		470.1	Measured	0.237	Calculated	208.3	Measured	0.105	Calculated	99.3	Measured	0.05	Measured	1985.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	20	1	200		459.7	Measured	0.231	Calculated	209.1	Measured	0.105	Calculated	105.7	Measured	0.053	Measured	1994.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	21	1	200		494.1	Measured	0.246	Calculated	210.4	Measured	0.105	Calculated	104.3	Measured	0.052	Measured	2006.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	22	1	200		505.6	Measured	0.254	Calculated	208.8	Measured	0.105	Calculated	103.5	Measured	0.052	Measured	1990.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/29/2025	23	1	200		511.9	Measured	0.257	Calculated	209.1	Measured	0.105	Calculated	91.7	Measured	0.046	Measured	1993.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	0	1	200		476.3	Measured	0.239	Calculated	209.4	Measured	0.105	Calculated	121.8	Measured	0.061	Measured	1996.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	1	1	200		494.6	Measured	0.248	Calculated	209	Measured	0.105	Calculated	101.7	Measured	0.051	Measured	1993.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	2	1	199		579.3	Measured	0.291	Calculated	208.9	Measured	0.105	Calculated	109.6	Measured	0.055	Measured	1992.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	3	1	200		625	Measured	0.316	Calculated	207.2	Measured	0.105	Calculated	102.7	Measured	0.052	Measured	1975.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	4	1	200		650.3	Measured	0.329	Calculated	207.3	Measured	0.105	Calculated	100.8	Measured	0.051	Measured	1976.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	5	1	200		629.5	Measured	0.322	Calculated	205.3	Measured	0.105	Calculated	92	Measured	0.047	Measured	1957.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	6	1	201		651	Measured	0.328	Calculated	208.3	Measured	0.105	Calculated	101.3	Measured	0.051	Measured	1986.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	7	1	200		617	Measured	0.311	Calculated	208.2	Measured	0.105	Calculated	101.2	Measured	0.051	Measured	1984.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	8	1	200		563.8	Measured	0.282	Calculated	210	Measured	0.105	Calculated	100.1	Measured	0.05	Measured	2001.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	9	1	199		503.3	Measured	0.253	Calculated	208.5	Measured	0.105	Calculated	99.4	Measured	0.05	Measured	1988.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	10	1	200		485.1	Measured	0.243	Calculated	209.6	Measured	0.105	Calculated	105.9	Measured	0.053	Measured	1998.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	11	1	200		525.3	Measured	0.266	Calculated	206.8	Measured	0.105	Calculated	110.4	Measured	0.056	Measured	1972.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	12	1	200		554.8	Measured	0.278	Calculated	209.7	Measured	0.105	Calculated	108	Measured	0.054	Measured	1999.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	13	1	200		583.8	Measured	0.291	Calculated	210.1	Measured	0.105	Calculated	110.2	Measured	0.055	Measured	2003.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	14	1	200		547.5	Measured	0.273	Calculated	210.1	Measured	0.105	Calculated	110.2	Measured	0.055	Measured	2003.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	15	1	199		423.1	Measured	0.212	Calculated	209.8	Measured	0.105	Calculated	106	Measured	0.053	Measured	2000.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	16	1	200		461.6	Measured	0.232	Calculated	208.7	Measured	0.105	Calculated	107.4	Measured	0.054	Measured	1989.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	17	1	201		607.1	Measured	0.307	Calculated	207.6	Measured	0.105	Calculated	112.8	Measured	0.057	Measured	1979.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	18	1	200		613.5	Measured	0.31	Calculated	207.6	Measured	0.105	Calculated	114.8	Measured	0.058	Measured	1979.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	19	1	201		557.7	Measured	0.281	Calculated	208.1	Measured	0.105	Calculated	113.1	Measured	0.057	Measured	1984.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	20	1	199		495.5	Measured	0.25	Calculated	208.2	Measured	0.105	Calculated	107.2	Measured	0.054	Measured	1985.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	21	1	200		468.6	Measured	0.235	Calculated	209.1	Measured	0.105	Calculated	107.7	Measured	0.054	Measured	1993.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	22	1	200		468.7	Measured	0.234	Calculated	209.7	Measured	0.105	Calculated	112	Measured	0.056	Measured	1999.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/30/2025	23	1	200		499.1	Measured	0.25	Calculated	209	Measured	0.105	Calculated	111.6	Measured	0.056	Measured	1992.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	0	1	200		508.9	Measured	0.257	Calculated	208	Measured	0.105	Calculated	107.1	Measured	0.054	Measured	1983.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	1	1	200		502	Measured	0.252	Calculated	208.9	Measured	0.105	Calculated	113.5	Measured	0.057	Measured	1991.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	2	1	199		500.1	Measured	0.251	Calculated	208.9	Measured	0.105	Calculated	105.6	Measured	0.053	Measured	1991.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	3	1	200		514	Measured	0.258	Calculated	209.3	Measured	0.105	Calculated	107.8	Measured	0.054	Measured	1996	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	4	1	200		508.9	Measured	0.256	Calculated	208.6	Measured	0.105	Calculated	107.4	Measured	0.054	Measured	1988.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	5	1	200		488.9	Measured	0.246	Calculated	208.7	Measured	0.105	Calculated	105.5	Measured	0.053	Measured	1990.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	6	1	200		497.6	Measured	0.247	Calculated	211.1	Measured	0.105	Calculated	108.7	Measured	0.054	Measured	2012.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	7	1	199		485	Measured	0.242	Calculated	210.4	Measured	0.105	Calculated	110.3	Measured	0.055	Measured	2005.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	8	1	200		536.2	Measured	0.266	Calculated	211.7	Measured	0.105	Calculated	109	Measured	0.054	Measured	2018.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	9	1	200		547.1	Measured	0.271	Calculated	211.4	Measured	0.105	Calculated	106.8	Measured	0.053	Measured	2015.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	10	1	201		545.6	Measured	0.266	Calculated	215.1	Measured	0.105	Calculated	108.7	Measured	0.053	Measured	2050.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	11	1	200		536.8	Measured	0.262	Calculated	214.6	Measured	0.105	Calculated	108.5	Measured	0.053	Measured	2046.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	12	1	199		502.7	Measured	0.248	Calculated	212.2	Measured	0.105	Calculated	107.2	Measured	0.053	Measured	2023.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	13	1	200		504.9	Measured	0.248	Calculated	213.7	Measured	0.105	Calculated	108	Measured	0.053	Measured	2037.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	14	1	200		532	Measured	0.261	Calculated	213.8	Measured	0.105	Calculated	108	Measured	0.053	Measured	2038.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	15	1	201		577.7	Measured	0.283	Calculated	214.3	Measured	0.105	Calculated	100.1	Measured	0.049	Measured	2043.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	16	1	200		569.3	Measured	0.279	Calculated	213.8	Measured	0.105	Calculated	108	Measured	0.053	Measured	2038.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	17	1	200		579.1	Measured	0.285	Calculated	213.1	Measured	0.105	Calculated	109.7	Measured	0.054	Measured	2032	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	18	1	200		590	Measured	0.293	Calculated	211.2	Measured	0.105	Calculated	108.7	Measured	0.054	Measured	2013.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	19	1	200		574.3	Measured	0.282	Calculated	213.3	Measured	0.105	Calculated	107.8	Measured	0.053	Measured	2033.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	20	1	200		560.6	Measured	0.276	Calculated	213.4	Measured	0.105	Calculated	105.8	Measured	0.052	Measured	2034.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	21	1	200		548.7	Measured	0.269	Calculated	213.7	Measured	0.105	Calculated	108	Measured	0.053	Measured	2037.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	22	1	201		544.7	Measured	0.266	Calculated	214.7	Measured	0.105	Calculated	108.5	Measured	0.053	Measured	2047	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/1/2025	23	1	200		525.8	Measured	0.259	Calculated	213	Measured	0.105	Calculated	109.7	Measured	0.054	Measured	2031.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	0	1	199		514	Measured	0.252	Calculated	213.7	Measured	0.105	Calculated	108	Measured	0.053	Measured	2037.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	1	1	201		566.1	Measured	0.276	Calculated	214.8	Measured	0.105	Calculated	110.6	Measured	0.054	Measured	2047.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	2	1	200		534.1	Measured	0.262	Calculated	213.6	Measured	0.105	Calculated	107.9	Measured	0.053	Measured	2036.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	3	1	200		426.4	Measured	0.208	Calculated	215.1	Measured	0.105	Calculated	108.7	Measured	0.053	Measured	2051.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	4	1	201		458.9	Measured	0.223	Calculated	215.7	Measured	0.105	Calculated	109	Measured	0.053	Measured	2056.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	5	1	200		521.8	Measured	0.256	Calculated	213.9	Measured	0.105	Calculated	112.1	Measured	0.055	Measured	2039	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	6	1	199		577.8	Measured	0.282	Calculated	214.6	Measured	0.105	Calculated	110.5	Measured	0.054	Measured	2046.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	7	1	200		597.5	Measured	0.289	Calculated	216.5	Measured	0.105	Calculated	107.4	Measured	0.052	Measured	2064.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	8	1	200		542.9	Measured	0.264	Calculated	215.3	Measured	0.105	Calculated	106.8	Measured	0.052	Measured	2053.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	9	1	200		465.7	Measured	0.229	Calculated	213.5	Measured	0.105	Calculated	105.9	Measured	0.052	Measured	2035.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	10	1	200		442.3	Measured	0.218	Calculated	212.9	Measured	0.105	Calculated	105.6	Measured	0.052	Measured	2030.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	11	1	200		474.2	Measured	0.232	Calculated	213.9	Measured	0.105	Calculated	108.1	Measured	0.053	Measured	2039.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	12	1	200		488.5	Measured	0.239	Calculated	214.3	Measured	0.105	Calculated	108.3	Measured	0.053	Measured	2043.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	13	1	199		493.5	Measured	0.242	Calculated	214	Measured	0.105	Calculated	112.2	Measured	0.055	Measured	2040.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	14	1	200		531	Measured	0.262	Calculated	212.2	Measured	0.105	Calculated	113.3	Measured	0.056	Measured	2023.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	15	1	200		530.3	Measured	0.261	Calculated	212.9	Measured	0.105	Calculated	109.6	Measured	0.054	Measured	2030.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	16	1	200		517.3	Measured	0.255	Calculated	212.8	Measured	0.105	Calculated	109.6	Measured	0.054	Measured	2029	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	17	1	200		505.8	Measured	0.249	Calculated	213	Measured	0.105	Calculated	109.7	Measured	0.054	Measured	2031.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	18	1	200		510	Measured	0.251	Calculated	213.2	Measured	0.105	Calculated	109.8	Measured	0.054	Measured	2032.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	19	1	200		515.7	Measured	0.252	Calculated	214.5	Measured	0.105	Calculated	110.4	Measured	0.054	Measured	2045.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	20	1	200		529.4	Measured	0.26	Calculated	213.8	Measured	0.105	Calculated	108.1	Measured	0.053	Measured	2039	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	21	1	200		530.6	Measured	0.259	Calculated	215.1	Measured	0.105	Calculated	108.7	Measured	0.053	Measured	2051.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	22	1	200		531.1	Measured	0.259	Calculated	214.7	Measured	0.105	Calculated	112.6	Measured	0.055	Measured	2047.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/2/2025	23	1	199		463.3	Measured	0.228	Calculated	213.4	Measured	0.105	Calculated	107.8	Measured	0.053	Measured	2034.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	0	1	200		466.3	Measured	0.229	Calculated	213.3	Measured	0.105	Calculated	107.8	Measured	0.053	Measured	2034	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	1	1	201		496.8	Measured	0.244	Calculated	213.5	Measured	0.105	Calculated	112	Measured	0.055	Measured	2035.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	2	1	200		495.6	Measured	0.245	Calculated	212.2	Measured	0.105	Calculated	111.3	Measured	0.055	Measured	2023	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	3	1	199		492.9	Measured	0.242	Calculated	213.2	Measured	0.105	Calculated	113.8	Measured	0.056	Measured	2033	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	4	1	200		497.4	Measured	0.245	Calculated	212.7	Measured	0.105	Calculated	111.5	Measured	0.055	Measured	2027.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	5	1	200		495.6	Measured	0.246	Calculated	211.6	Measured	0.105	Calculated	111	Measured	0.055	Measured	2017.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	6	1	200		525	Measured	0.259	Calculated	212.8	Measured	0.105	Calculated	109.6	Measured	0.054	Measured	2029.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	7	1	200		549.7	Measured	0.273	Calculated	211.4	Measured	0.105	Calculated	110.9	Measured	0.055	Measured	2015.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	8	1	199		507.6	Measured	0.252	Calculated	211.3	Measured	0.105	Calculated	112.8	Measured	0.056	Measured	2014.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	9	1	200		458.6	Measured	0.228	Calculated	211.1	Measured	0.105	Calculated	108.7	Measured	0.054	Measured	2013.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	10	1	200		486.4	Measured	0.242	Calculated	210.7	Measured	0.105	Calculated	114.5	Measured	0.057	Measured	2008.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	11	1	200		505.5	Measured	0.251	Calculated	211.5	Measured	0.105	Calculated	112.9	Measured	0.056	Measured	2016.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	12	1	201		513.2	Measured	0.252	Calculated	213.7	Measured	0.105	Calculated	114.1	Measured	0.056	Measured	2037.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	13	1	199		494.1	Measured	0.246	Calculated	210.5	Measured	0.105	Calculated	108.4	Measured	0.054	Measured	2006.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	14	1	200		505.2	Measured	0.249	Calculated	212.5	Measured	0.105	Calculated	109.4	Measured	0.054	Measured	2026.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	15	1	200		496.7	Measured	0.246	Calculated	212.1	Measured	0.105	Calculated	111.2	Measured	0.055	Measured	2022.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	16	1	200		501.3	Measured	0.248	Calculated	211.9	Measured	0.105	Calculated	111.1	Measured	0.055	Measured	2020.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	17	1	200		512.2	Measured	0.253	Calculated	212.7	Measured	0.105	Calculated	117.6	Measured	0.058	Measured	2028.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	18	1	199		497.3	Measured	0.248	Calculated	210.2	Measured	0.105	Calculated	110.2	Measured	0.055	Measured	2004.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	19	1	200		447	Measured	0.222	Calculated	211.2	Measured	0.105	Calculated	376.5	Measured	0.187	Measured	2013.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	20	1	201		500.7	Measured	0.247	Calculated	212.7	Measured	0.105	Calculated	423.9	Measured	0.209	Measured	2028.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	21	1	200		517.8	Measured	0.255	Calculated	213.2	Measured	0.105	Calculated	426.8	Measured	0.21	Measured	2032.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	22	1	200		535.4	Measured	0.262	Calculated	214.1	Measured	0.105	Calculated	443	Measured	0.217	Measured	2041.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/3/2025	23	1	199		530	Measured	0.262	Calculated	212.2	Measured	0.105	Calculated	443.1	Measured	0.219	Measured	2023.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	0	1	200		517.3	Measured	0.256	Calculated	212.1	Measured	0.105	Calculated	438.9	Measured	0.217	Measured	2022.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	1	1	200		499.9	Measured	0.245	Calculated	213.7	Measured	0.105	Calculated	334.2	Measured	0.164	Measured	2037.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	2	1	200		509.1	Measured	0.252	Calculated	212.2	Measured	0.105	Calculated	145.6	Measured	0.072	Measured	2022.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	3	1	200		507.2	Measured	0.25	Calculated	212.7	Measured	0.105	Calculated	123.7	Measured	0.061	Measured	2028.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	4	1	200		507.3	Measured	0.25	Calculated	212.5	Measured	0.105	Calculated	121.6	Measured	0.06	Measured	2026	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	5	1	199		499.4	Measured	0.249	Calculated	210.5	Measured	0.105	Calculated	116.4	Measured	0.058	Measured	2007	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	6	1	181		449.1	Measured	0.241	Calculated	195.3	Measured	0.105	Calculated	130.4	Measured	0.07	Measured	1862.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	7	1	166		404.3	Measured	0.234	Calculated	181.2	Measured	0.105	Calculated	333.5	Measured	0.193	Measured	1728.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	8	1	143		395.5	Measured	0.261	Calculated	158.8	Measured	0.105	Calculated	299.8	Measured	0.198	Measured	1514.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	9	1	137		359.4	Measured	0.248	Calculated	152	Measured	0.105	Calculated	284.1	Measured	0.196	Measured	1449.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		7/4/2025	10	0.75	85		183.975	Measured	0.252	Calculated	76.65	Measured	0.105	Calculated	171.825	Measured	0.235	Measured	731.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/4/2025	10	0.05	0		0	Measured	0	Calculated	0	Measured	0	Calculated	0	Measured	0.001	Measured	0.05	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/4/2025	11	1	0		0	Measured	0	Calculated	11.6	Measured	0.105	Calculated	0.9	Measured	0.008	Measured	110.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/4/2025	12	1	0		0	Measured	0	Calculated	17.6	Measured	0.105	Calculated	3.9	Measured	0.023	Measured	167.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/4/2025	13	0.13	0		0	Measured	0	Calculated	0.364	Measured	0.106	Calculated	0.026	Measured	0.009	Measured	3.432	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	15	0.87	0		0	Measured	0	Calculated	7.743	Measured	0.105	Calculated	0.783	Measured	0.01	Measured	74.037	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	16	1	0		0	Measured	0	Calculated	16.6	Measured	0.105	Calculated	3.6	Measured	0.023	Measured	158	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	17	1	0		16.1	Measured	0.063	Calculated	26.9	Measured	0.105	Calculated	21.6	Measured	0.084	Measured	256.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	18	1	0		26.7	Measured	0.096	Calculated	29.1	Measured	0.105	Calculated	31.1	Measured	0.112	Measured	277.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	19	1	0		25.5	Measured	0.086	Calculated	31.1	Measured	0.105	Calculated	36.8	Measured	0.124	Measured	296.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	20	1	0		31.4	Measured	0.103	Calculated	32	Measured	0.105	Calculated	36.6	Measured	0.12	Measured	304.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	21	1	0		30.7	Measured	0.095	Calculated	34	Measured	0.105	Calculated	39.2	Measured	0.121	Measured	323.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	22	1	0		45.8	Measured	0.135	Calculated	35.5	Measured	0.105	Calculated	42.7	Measured	0.126	Measured	338.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/5/2025	23	1	0		32.3	Measured	0.118	Calculated	28.6	Measured	0.105	Calculated	29.7	Measured	0.109	Measured	272.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	0	1	0		29	Measured	0.113	Calculated	27	Measured	0.105	Calculated	27	Measured	0.105	Measured	257.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	1	1	0		35.6	Measured	0.105	Calculated	35.7	Measured	0.105	Calculated	42.5	Measured	0.125	Measured	340.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	2	1	1		53.2	Measured	0.143	Calculated	38.9	Measured	0.105	Calculated	53	Measured	0.143	Measured	370.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	3	1	18		111	Measured	0.208	Calculated	55.9	Measured	0.105	Calculated	103.4	Measured	0.194	Measured	533.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	4	1	28		129.9	Measured	0.218	Calculated	62.5	Measured	0.105	Calculated	124	Measured	0.208	Measured	596	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	2		8/6/2025	5	1	27		154.1	Measured	0.266	Calculated	60.8	Measured	0.105	Calculated	121.8	Measured	0.21	Measured	580.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	6	1	34		132	Measured	0.194	Calculated	71.3	Measured	0.105	Calculated	155	Measured	0.228	Measured	679.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	7	1	38		168.5	Measured	0.242	Calculated	73.2	Measured	0.105	Calculated	159.8	Measured	0.229	Measured	697.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	8	1	42		189.2	Measured	0.254	Calculated	78	Measured	0.105	Calculated	169.6	Measured	0.228	Measured	744	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	9	1	40		153.2	Measured	0.217	Calculated	73.9	Measured	0.105	Calculated	158.6	Measured	0.225	Measured	704.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	10	1	38		180.8	Measured	0.257	Calculated	73.8	Measured	0.105	Calculated	157.7	Measured	0.224	Measured	704	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	11	1	41		135.3	Measured	0.201	Calculated	70.7	Measured	0.105	Calculated	149	Measured	0.221	Measured	674	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	12	1	53		204.9	Measured	0.264	Calculated	81.4	Measured	0.105	Calculated	180.8	Measured	0.233	Measured	775.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	13	1	71		190.6	Measured	0.206	Calculated	96.9	Measured	0.105	Calculated	200.5	Measured	0.217	Measured	923.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	14	1	88		271	Measured	0.248	Calculated	114.8	Measured	0.105	Calculated	224.4	Measured	0.205	Measured	1094.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	15	1	141		370.7	Measured	0.256	Calculated	151.7	Measured	0.105	Calculated	310.9	Measured	0.215	Measured	1446.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	16	1	149		368.9	Measured	0.242	Calculated	159.9	Measured	0.105	Calculated	347.7	Measured	0.228	Measured	1524.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	17	1	153		364	Measured	0.229	Calculated	166.5	Measured	0.105	Calculated	330.2	Measured	0.208	Measured	1587.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	18	1	152		384.4	Measured	0.241	Calculated	167	Measured	0.105	Calculated	327.9	Measured	0.206	Measured	1591.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	19	1	178		443	Measured	0.247	Calculated	188.3	Measured	0.105	Calculated	371.7	Measured	0.207	Measured	1795.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	20	1	207		480.9	Measured	0.232	Calculated	217	Measured	0.105	Calculated	417.9	Measured	0.202	Measured	2068.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	21	1	213		463.6	Measured	0.218	Calculated	223.1	Measured	0.105	Calculated	423.4	Measured	0.199	Measured	2127.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	22	1	215		496.5	Measured	0.231	Calculated	225.8	Measured	0.105	Calculated	430.5	Measured	0.2	Measured	2152.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/6/2025	23	1	215		523.9	Measured	0.245	Calculated	224	Measured	0.105	Calculated	427.2	Measured	0.2	Measured	2135.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	0	1	215		540.4	Measured	0.25	Calculated	227.1	Measured	0.105	Calculated	357.2	Measured	0.165	Measured	2165	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	1	1	215		537.6	Measured	0.249	Calculated	226.5	Measured	0.105	Calculated	120.9	Measured	0.056	Measured	2159.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	2	1	215		514.8	Measured	0.239	Calculated	225.8	Measured	0.105	Calculated	114.1	Measured	0.053	Measured	2152.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	3	1	215		521.3	Measured	0.241	Calculated	226.6	Measured	0.105	Calculated	114.5	Measured	0.053	Measured	2160.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	4	1	215		518.8	Measured	0.239	Calculated	227.5	Measured	0.105	Calculated	117.2	Measured	0.054	Measured	2169.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	5	1	214		516.9	Measured	0.241	Calculated	225	Measured	0.105	Calculated	111.6	Measured	0.052	Measured	2145.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	6	1	215		512.1	Measured	0.238	Calculated	225.9	Measured	0.105	Calculated	116.3	Measured	0.054	Measured	2153.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	7	1	215		493.6	Measured	0.23	Calculated	224.9	Measured	0.105	Calculated	117.9	Measured	0.055	Measured	2144.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	8	1	216		493.3	Measured	0.23	Calculated	225.4	Measured	0.105	Calculated	116.1	Measured	0.054	Measured	2149.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	9	1	215		494.2	Measured	0.232	Calculated	223.4	Measured	0.105	Calculated	119.3	Measured	0.056	Measured	2129.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	10	1	215		518.7	Measured	0.243	Calculated	223.8	Measured	0.105	Calculated	117.3	Measured	0.055	Measured	2133.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	11	1	215		521.9	Measured	0.245	Calculated	223.4	Measured	0.105	Calculated	117.2	Measured	0.055	Measured	2130.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	12	1	214		517.8	Measured	0.243	Calculated	223.1	Measured	0.105	Calculated	114.9	Measured	0.054	Measured	2127.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	13	1	216		504.6	Measured	0.237	Calculated	223.5	Measured	0.105	Calculated	115.1	Measured	0.054	Measured	2130.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	14	1	214		516.7	Measured	0.241	Calculated	224.7	Measured	0.105	Calculated	115.7	Measured	0.054	Measured	2142	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	15	1	215		520.3	Measured	0.242	Calculated	225.9	Measured	0.105	Calculated	116.3	Measured	0.054	Measured	2153.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	16	1	215		509	Measured	0.237	Calculated	225.7	Measured	0.105	Calculated	116.2	Measured	0.054	Measured	2151.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	17	1	214		523.1	Measured	0.244	Calculated	224.5	Measured	0.105	Calculated	115.6	Measured	0.054	Measured	2140.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	18	1	215		516.7	Measured	0.24	Calculated	225.5	Measured	0.105	Calculated	116.1	Measured	0.054	Measured	2150.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	19	1	215		507.4	Measured	0.236	Calculated	225.6	Measured	0.105	Calculated	116.1	Measured	0.054	Measured	2150.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	20	1	215		503.6	Measured	0.232	Calculated	227.3	Measured	0.105	Calculated	114.9	Measured	0.053	Measured	2167.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	21	1	215		524.5	Measured	0.242	Calculated	227.1	Measured	0.105	Calculated	114.8	Measured	0.053	Measured	2165.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	22	1	215		539.2	Measured	0.249	Calculated	227.1	Measured	0.105	Calculated	117	Measured	0.054	Measured	2165.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/7/2025	23	1	214		510	Measured	0.237	Calculated	225.7	Measured	0.105	Calculated	116.2	Measured	0.054	Measured	2152.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	0	1	215		502.8	Measured	0.233	Calculated	226.7	Measured	0.105	Calculated	112.4	Measured	0.052	Measured	2161.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	1	1	215		508.6	Measured	0.237	Calculated	224.9	Measured	0.105	Calculated	115.8	Measured	0.054	Measured	2144.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	2	1	216		519.6	Measured	0.241	Calculated	226.5	Measured	0.105	Calculated	116.6	Measured	0.054	Measured	2159.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	3	1	215		536.4	Measured	0.25	Calculated	225.1	Measured	0.105	Calculated	111.6	Measured	0.052	Measured	2145.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	4	1	215		532.2	Measured	0.245	Calculated	227.6	Measured	0.105	Calculated	115	Measured	0.053	Measured	2169.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	5	1	214		520.3	Measured	0.244	Calculated	223.9	Measured	0.105	Calculated	113.1	Measured	0.053	Measured	2134.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	6	1	215		512	Measured	0.238	Calculated	225.5	Measured	0.105	Calculated	114	Measured	0.053	Measured	2150	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	7	1	215		512.4	Measured	0.238	Calculated	226	Measured	0.105	Calculated	116.4	Measured	0.054	Measured	2154.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	8	1	214		497.8	Measured	0.233	Calculated	223.7	Measured	0.105	Calculated	110.9	Measured	0.052	Measured	2133.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	9	1	213		512.2	Measured	0.239	Calculated	224.8	Measured	0.105	Calculated	115.7	Measured	0.054	Measured	2143.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	10	1	212		500.4	Measured	0.24	Calculated	219	Measured	0.105	Calculated	110.7	Measured	0.053	Measured	2088.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	11	1	215		513.2	Measured	0.243	Calculated	221.7	Measured	0.105	Calculated	116.3	Measured	0.055	Measured	2113.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	12	1	215		504.2	Measured	0.237	Calculated	222.7	Measured	0.105	Calculated	114.7	Measured	0.054	Measured	2123.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	13	1	215		509.9	Measured	0.239	Calculated	223.4	Measured	0.105	Calculated	117.2	Measured	0.055	Measured	2130	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	14	1	215		491.9	Measured	0.232	Calculated	222.2	Measured	0.105	Calculated	116.5	Measured	0.055	Measured	2118.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	15	1	215		487.9	Measured	0.231	Calculated	221.7	Measured	0.105	Calculated	116.3	Measured	0.055	Measured	2113.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	16	1	215		513.5	Measured	0.242	Calculated	222.1	Measured	0.105	Calculated	116.5	Measured	0.055	Measured	2117.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	17	1	215		510.8	Measured	0.241	Calculated	222.4	Measured	0.105	Calculated	118.8	Measured	0.056	Measured	2120.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	18	1	215		498.5	Measured	0.236	Calculated	221.4	Measured	0.105	Calculated	118.2	Measured	0.056	Measured	2111	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	19	1	215		509.4	Measured	0.241	Calculated	222.1	Measured	0.105	Calculated	118.6	Measured	0.056	Measured	2117.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	20	1	215		515.1	Measured	0.243	Calculated	222.2	Measured	0.105	Calculated	118.7	Measured	0.056	Measured	2118.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	21	1	215		514	Measured	0.243	Calculated	222.1	Measured	0.105	Calculated	118.6	Measured	0.056	Measured	2117.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	22	1	215		514.2	Measured	0.243	Calculated	221.9	Measured	0.105	Calculated	120.6	Measured	0.057	Measured	2115.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/8/2025	23	1	215		491	Measured	0.232	Calculated	222.2	Measured	0.105	Calculated	114.4	Measured	0.054	Measured	2118.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	0	1	214		455.6	Measured	0.214	Calculated	223.2	Measured	0.105	Calculated	110.6	Measured	0.052	Measured	2127.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	1	1	215		495.8	Measured	0.232	Calculated	223.9	Measured	0.105	Calculated	113.2	Measured	0.053	Measured	2135.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	2	1	215		501.1	Measured	0.235	Calculated	223.9	Measured	0.105	Calculated	115.3	Measured	0.054	Measured	2135	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	3	1	184		447.5	Measured	0.241	Calculated	194.6	Measured	0.105	Calculated	92.8	Measured	0.05	Measured	1855.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	4	1	114		342.4	Measured	0.272	Calculated	132.1	Measured	0.105	Calculated	63	Measured	0.05	Measured	1260	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	5	1	115		302.6	Measured	0.239	Calculated	132.8	Measured	0.105	Calculated	65.9	Measured	0.052	Measured	1266.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	6	1	115		298.4	Measured	0.231	Calculated	135.5	Measured	0.105	Calculated	63.3	Measured	0.049	Measured	1291.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	7	1	115		303.2	Measured	0.237	Calculated	134.4	Measured	0.105	Calculated	65.4	Measured	0.051	Measured	1281.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	8	1	115		316.9	Measured	0.249	Calculated	133.3	Measured	0.105	Calculated	64.8	Measured	0.051	Measured	1270.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	9	1	115		301.7	Measured	0.238	Calculated	133.1	Measured	0.105	Calculated	64.7	Measured	0.051	Measured	1268.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	10	1	115		304.4	Measured	0.239	Calculated	133.4	Measured	0.105	Calculated	64.9	Measured	0.051	Measured	1272.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	11	1	115		308.2	Measured	0.243	Calculated	133.1	Measured	0.105	Calculated	63.5	Measured	0.05	Measured	1269.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	12	1	115		305.5	Measured	0.237	Calculated	134.9	Measured	0.105	Calculated	65.6	Measured	0.051	Measured	1286.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	13	1	115		304.9	Measured	0.24	Calculated	133	Measured	0.105	Calculated	64.7	Measured	0.051	Measured	1268	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	14	1	115		307.8	Measured	0.24	Calculated	134.6	Measured	0.105	Calculated	65.5	Measured	0.051	Measured	1283.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	15	1	115		304.1	Measured	0.236	Calculated	135.2	Measured	0.105	Calculated	67	Measured	0.052	Measured	1288.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	16	1	115		311.1	Measured	0.242	Calculated	134.6	Measured	0.105	Calculated	65.5	Measured	0.051	Measured	1283.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	17	1	116		304.9	Measured	0.237	Calculated	135.1	Measured	0.105	Calculated	68.3	Measured	0.053	Measured	1288	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	18	1	115		310.1	Measured	0.241	Calculated	134.8	Measured	0.105	Calculated	65.5	Measured	0.051	Measured	1285	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	19	1	115		306.3	Measured	0.238	Calculated	134.8	Measured	0.105	Calculated	65.6	Measured	0.051	Measured	1285.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	20	1	115		306.5	Measured	0.237	Calculated	135.4	Measured	0.105	Calculated	64.5	Measured	0.05	Measured	1290.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	21	1	115		305.4	Measured	0.237	Calculated	135.3	Measured	0.105	Calculated	65.8	Measured	0.051	Measured	1290.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	22	1	116		358.1	Measured	0.273	Calculated	137.4	Measured	0.105	Calculated	69.4	Measured	0.053	Measured	1309.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/9/2025	23	1	115		280.1	Measured	0.217	Calculated	135.2	Measured	0.105	Calculated	64.5	Measured	0.05	Measured	1289	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	0	1	110		303.9	Measured	0.242	Calculated	131.9	Measured	0.105	Calculated	64.2	Measured	0.051	Measured	1257.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	1	1	110		328.3	Measured	0.259	Calculated	133	Measured	0.105	Calculated	64.7	Measured	0.051	Measured	1268.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	2	1	109		259.4	Measured	0.207	Calculated	131.1	Measured	0.105	Calculated	68.8	Measured	0.055	Measured	1250.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	3	1	101		283.6	Measured	0.247	Calculated	120.3	Measured	0.105	Calculated	65.4	Measured	0.057	Measured	1146.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	4	1	101		293.6	Measured	0.252	Calculated	122.2	Measured	0.105	Calculated	61.7	Measured	0.053	Measured	1165	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	5	1	102		295.2	Measured	0.259	Calculated	119.8	Measured	0.105	Calculated	62.8	Measured	0.055	Measured	1141.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/10/2025	6	0.88	78		221.672	Measured	0.252	Calculated	92.224	Measured	0.105	Calculated	49.28	Measured	0.056	Measured	879.384	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	11	0.65	0		0	Measured	0	Calculated	4.745	Measured	0.105	Calculated	0.195	Measured	0.004	Measured	45.045	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	12	1	0		0	Measured	0	Calculated	13.2	Measured	0.105	Calculated	1.9	Measured	0.015	Measured	125.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	13	0.48	0		0	Measured	0	Calculated	7.488	Measured	0.105	Calculated	1.2	Measured	0.017	Measured	71.232	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	14	0.4	0		0	Measured	0	Calculated	0.48	Measured	0.103	Calculated	0	Measured	0.002	Measured	4.68	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	15	1	0		0	Measured	0	Calculated	10	Measured	0.104	Calculated	1.1	Measured	0.011	Measured	95.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	16	0.7	0		0	Measured	0	Calculated	8.54	Measured	0.105	Calculated	1.47	Measured	0.018	Measured	81.55	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	17	0.53	0		0	Measured	0	Calculated	2.014	Measured	0.104	Calculated	0.106	Measured	0.005	Measured	19.398	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	18	1	0		4.3	Measured	0.02	Calculated	22.6	Measured	0.105	Calculated	12.5	Measured	0.058	Measured	215.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	19	1	0		0	Measured	0	Calculated	29.4	Measured	0.105	Calculated	27.2	Measured	0.097	Measured	280.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	20	1	0		0	Measured	0	Calculated	30.9	Measured	0.105	Calculated	33.9	Measured	0.115	Measured	294.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	21	1	0		0	Measured	0	Calculated	31.1	Measured	0.105	Calculated	30.5	Measured	0.103	Measured	296.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	22	1	0		0	Measured	0	Calculated	32.4	Measured	0.105	Calculated	33.4	Measured	0.108	Measured	309.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/18/2025	23	1	0		0	Measured	0	Calculated	32.3	Measured	0.105	Calculated	34.5	Measured	0.112	Measured	308.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	0	1	0		0	Measured	0	Calculated	35.4	Measured	0.105	Calculated	39.5	Measured	0.117	Measured	337.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	1	1	0		0	Measured	0	Calculated	32.2	Measured	0.105	Calculated	33.1	Measured	0.108	Measured	306.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	2	1	0		0	Measured	0	Calculated	30.7	Measured	0.105	Calculated	29.5	Measured	0.101	Measured	292.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	3	1	1		0	Measured	0	Calculated	40.1	Measured	0.105	Calculated	51.6	Measured	0.135	Measured	382.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	4	1	16		0.5	Measured	0.001	Calculated	53.2	Measured	0.105	Calculated	89.8	Measured	0.177	Measured	507.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	5	1	28		5	Measured	0.009	Calculated	60.6	Measured	0.105	Calculated	107.5	Measured	0.186	Measured	578.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	6	1	35		10.9	Measured	0.018	Calculated	65.3	Measured	0.105	Calculated	121.4	Measured	0.195	Measured	622.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	7	1	45		26.2	Measured	0.038	Calculated	72.9	Measured	0.105	Calculated	143.8	Measured	0.207	Measured	694.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	8	1	73		92.7	Measured	0.102	Calculated	95.6	Measured	0.105	Calculated	170.5	Measured	0.187	Measured	911.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	9	1	114		194.6	Measured	0.162	Calculated	125.6	Measured	0.105	Calculated	216.8	Measured	0.181	Measured	1197.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	10	1	144		305.3	Measured	0.213	Calculated	150.6	Measured	0.105	Calculated	259.8	Measured	0.181	Measured	1435.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	11	1	153		542.2	Measured	0.346	Calculated	164.4	Measured	0.105	Calculated	275.9	Measured	0.176	Measured	1567.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	12	1	163		564.2	Measured	0.338	Calculated	175.2	Measured	0.105	Calculated	317.4	Measured	0.19	Measured	1670.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	13	1	197		616.1	Measured	0.313	Calculated	206.3	Measured	0.105	Calculated	379.6	Measured	0.193	Measured	1967	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	14	1	220		766.1	Measured	0.348	Calculated	231.2	Measured	0.105	Calculated	454.1	Measured	0.206	Measured	2204.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	15	1	220		732.2	Measured	0.336	Calculated	228.6	Measured	0.105	Calculated	433.7	Measured	0.199	Measured	2179.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	16	1	219		747.1	Measured	0.347	Calculated	225.7	Measured	0.105	Calculated	436.8	Measured	0.203	Measured	2151.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	17	1	220		716.5	Measured	0.331	Calculated	227.1	Measured	0.105	Calculated	411.5	Measured	0.19	Measured	2165.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	18	1	231		778.2	Measured	0.343	Calculated	238	Measured	0.105	Calculated	385.8	Measured	0.17	Measured	2269.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	19	1	237		829.4	Measured	0.358	Calculated	242.8	Measured	0.105	Calculated	178.3	Measured	0.077	Measured	2315.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	20	1	238		799.8	Measured	0.346	Calculated	242.4	Measured	0.105	Calculated	120.2	Measured	0.052	Measured	2311	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	21	1	238		701.9	Measured	0.304	Calculated	242	Measured	0.105	Calculated	126.9	Measured	0.055	Measured	2307	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	22	1	238		676.8	Measured	0.293	Calculated	242.5	Measured	0.105	Calculated	127.2	Measured	0.055	Measured	2312.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/19/2025	23	1	239		676.2	Measured	0.291	Calculated	243.3	Measured	0.105	Calculated	129.9	Measured	0.056	Measured	2319.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	0	1	239		681.2	Measured	0.292	Calculated	244.9	Measured	0.105	Calculated	128.4	Measured	0.055	Measured	2334.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	1	1	237		699.5	Measured	0.302	Calculated	243.2	Measured	0.105	Calculated	127.6	Measured	0.055	Measured	2319.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	2	1	238		692.8	Measured	0.298	Calculated	244.1	Measured	0.105	Calculated	130.3	Measured	0.056	Measured	2327.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	3	1	239		680.5	Measured	0.292	Calculated	244.3	Measured	0.105	Calculated	128.1	Measured	0.055	Measured	2329.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	2		8/20/2025	4	1	238		673.4	Measured	0.287	Calculated	246.4	Measured	0.105	Calculated	124.5	Measured	0.053	Measured	2349.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	5	1	237		665.9	Measured	0.289	Calculated	241.5	Measured	0.105	Calculated	124.4	Measured	0.054	Measured	2303.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	6	1	238		678.9	Measured	0.293	Calculated	242.8	Measured	0.105	Calculated	127.3	Measured	0.055	Measured	2315	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	7	1	238		669.1	Measured	0.29	Calculated	242	Measured	0.105	Calculated	168.4	Measured	0.073	Measured	2307	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	8	1	238		682.7	Measured	0.295	Calculated	242.3	Measured	0.105	Calculated	127.1	Measured	0.055	Measured	2310.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	9	1	239		654.3	Measured	0.282	Calculated	243.2	Measured	0.105	Calculated	211	Measured	0.091	Measured	2318.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	10	1	238		627.6	Measured	0.275	Calculated	239.4	Measured	0.105	Calculated	137	Measured	0.06	Measured	2282.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	11	1	238		599.5	Measured	0.262	Calculated	240.4	Measured	0.105	Calculated	107.7	Measured	0.047	Measured	2292.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	12	1	238		589.1	Measured	0.257	Calculated	240	Measured	0.105	Calculated	112.1	Measured	0.049	Measured	2288.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	13	1	238		584.5	Measured	0.256	Calculated	239.4	Measured	0.105	Calculated	121	Measured	0.053	Measured	2282.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	14	1	238		591.5	Measured	0.258	Calculated	240.3	Measured	0.105	Calculated	121.4	Measured	0.053	Measured	2291.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	15	1	229		559.5	Measured	0.252	Calculated	232.5	Measured	0.105	Calculated	110.8	Measured	0.05	Measured	2216.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	16	1	138		425.4	Measured	0.292	Calculated	152.7	Measured	0.105	Calculated	77.2	Measured	0.053	Measured	1455.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	17	1	119		351.1	Measured	0.275	Calculated	133.8	Measured	0.105	Calculated	72.7	Measured	0.057	Measured	1275.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	18	1	120		308.7	Measured	0.24	Calculated	134.8	Measured	0.105	Calculated	72	Measured	0.056	Measured	1285.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	19	1	120		336.2	Measured	0.261	Calculated	135.3	Measured	0.105	Calculated	73.5	Measured	0.057	Measured	1289.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	20	1	120		326.2	Measured	0.25	Calculated	136.7	Measured	0.105	Calculated	73	Measured	0.056	Measured	1303	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	21	1	120		338.2	Measured	0.262	Calculated	135.1	Measured	0.105	Calculated	73.4	Measured	0.057	Measured	1288.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	22	1	117		359.3	Measured	0.281	Calculated	133.9	Measured	0.105	Calculated	74.1	Measured	0.058	Measured	1277	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/20/2025	23	1	118		323.5	Measured	0.253	Calculated	133.9	Measured	0.105	Calculated	81.7	Measured	0.064	Measured	1277.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	0	1	116		369.4	Measured	0.291	Calculated	133	Measured	0.105	Calculated	65.9	Measured	0.052	Measured	1268.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	1	1	117		285.4	Measured	0.225	Calculated	133.2	Measured	0.105	Calculated	71.1	Measured	0.056	Measured	1270	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	2	1	117		338.5	Measured	0.267	Calculated	133	Measured	0.105	Calculated	71	Measured	0.056	Measured	1268.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	3	1	117		326.6	Measured	0.255	Calculated	134.3	Measured	0.105	Calculated	74.2	Measured	0.058	Measured	1280.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	4	1	117		390.9	Measured	0.303	Calculated	135.2	Measured	0.105	Calculated	72.2	Measured	0.056	Measured	1288.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	5	1	117		258.8	Measured	0.204	Calculated	132.8	Measured	0.105	Calculated	70.9	Measured	0.056	Measured	1266.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	6	1	117		299.7	Measured	0.234	Calculated	134.4	Measured	0.105	Calculated	71.7	Measured	0.056	Measured	1281.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	7	1	117		376.4	Measured	0.295	Calculated	133.8	Measured	0.105	Calculated	72.7	Measured	0.057	Measured	1276	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	8	1	117		307.2	Measured	0.241	Calculated	133.4	Measured	0.105	Calculated	71.2	Measured	0.056	Measured	1272.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	9	1	117		324	Measured	0.256	Calculated	132.9	Measured	0.105	Calculated	71	Measured	0.056	Measured	1267.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	10	1	118		340.5	Measured	0.266	Calculated	134.1	Measured	0.105	Calculated	71.6	Measured	0.056	Measured	1278.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	11	1	116		320.3	Measured	0.255	Calculated	131.8	Measured	0.105	Calculated	71.6	Measured	0.057	Measured	1256.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	12	1	117		323.4	Measured	0.256	Calculated	132.4	Measured	0.105	Calculated	68.2	Measured	0.054	Measured	1262.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	13	1	117		321	Measured	0.255	Calculated	132.1	Measured	0.105	Calculated	70.5	Measured	0.056	Measured	1259.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	14	1	117		330.4	Measured	0.264	Calculated	131.1	Measured	0.105	Calculated	70	Measured	0.056	Measured	1250	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	15	1	117		353.4	Measured	0.28	Calculated	132.4	Measured	0.105	Calculated	69.4	Measured	0.055	Measured	1262.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	16	1	117		309.6	Measured	0.248	Calculated	130.9	Measured	0.105	Calculated	68.7	Measured	0.055	Measured	1248.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	17	1	117		314.2	Measured	0.249	Calculated	132.3	Measured	0.105	Calculated	69.4	Measured	0.055	Measured	1261.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	18	1	117		330.5	Measured	0.262	Calculated	132.5	Measured	0.105	Calculated	69.5	Measured	0.055	Measured	1263.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	19	1	117		355	Measured	0.283	Calculated	131.8	Measured	0.105	Calculated	69.1	Measured	0.055	Measured	1256.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	20	1	117		315.7	Measured	0.249	Calculated	133.1	Measured	0.105	Calculated	68.5	Measured	0.054	Measured	1269.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	21	1	113		299.6	Measured	0.246	Calculated	127.6	Measured	0.105	Calculated	65.7	Measured	0.054	Measured	1216.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	22	1	99		296.2	Measured	0.271	Calculated	114.6	Measured	0.105	Calculated	157.3	Measured	0.144	Measured	1092.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/21/2025	23	1	98		274.2	Measured	0.262	Calculated	109.6	Measured	0.105	Calculated	188.1	Measured	0.18	Measured	1045.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/22/2025	0	1	94		256.9	Measured	0.253	Calculated	106.4	Measured	0.105	Calculated	185.7	Measured	0.183	Measured	1014.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		8/22/2025	1	0.22	57		39.446	Measured	0.232	Calculated	17.798	Measured	0.105	Calculated	33.77	Measured	0.199	Measured	169.73	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	12	0.9	0		0	Measured	0	Calculated	5.49	Measured	0.105	Calculated	0.36	Measured	0.007	Measured	52.47	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	13	1	0		0	Measured	0	Calculated	12.2	Measured	0.105	Calculated	1.6	Measured	0.014	Measured	116.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	14	1	0		0	Measured	0	Calculated	13.3	Measured	0.105	Calculated	2.3	Measured	0.018	Measured	127	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	15	0.68	0		0	Measured	0	Calculated	8.84	Measured	0.105	Calculated	1.292	Measured	0.015	Measured	84.048	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	17	0.82	0		0	Measured	0	Calculated	4.1	Measured	0.105	Calculated	0.164	Measured	0.005	Measured	39.196	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	18	1	0		3.7	Measured and Substitut	0.025	Calculated	15.7	Measured and	0.105	Calculated	15.1	Measured and S	0.101	Substitute	149.4	Measured and S	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	19	1	0		7.7	Measured	0.03	Calculated	26.5	Measured	0.105	Calculated	17	Measured	0.067	Measured	253.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	20	1	0		20	Measured	0.066	Calculated	31.8	Measured	0.105	Calculated	31.5	Measured	0.104	Measured	302.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	21	1	0		39.1	Measured	0.123	Calculated	33.2	Measured	0.105	Calculated	38.6	Measured	0.122	Measured	316.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	22	1	0		44.6	Measured	0.125	Calculated	37.6	Measured	0.105	Calculated	51.9	Measured	0.145	Measured	358	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/29/2025	23	1	0		36	Measured	0.102	Calculated	37.2	Measured	0.105	Calculated	53.2	Measured	0.15	Measured	354.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	0	1	0		9	Measured	0.032	Calculated	29.5	Measured	0.105	Calculated	30.6	Measured	0.109	Measured	281.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	1	1	0		12.1	Measured	0.043	Calculated	29.6	Measured	0.105	Calculated	32.4	Measured	0.115	Measured	281.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	2	1	0		36.4	Measured	0.112	Calculated	34.2	Measured	0.105	Calculated	44.3	Measured	0.136	Measured	326	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	3	1	1		33.1	Measured	0.077	Calculated	44.9	Measured	0.105	Calculated	75.3	Measured	0.176	Measured	428.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	4	1	19		36.9	Measured	0.078	Calculated	49.7	Measured	0.105	Calculated	83.5	Measured	0.176	Measured	474.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	5	1	28		68.7	Measured	0.116	Calculated	62	Measured	0.105	Calculated	120	Measured	0.203	Measured	591.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	6	1	32		101	Measured	0.167	Calculated	63.6	Measured	0.105	Calculated	125.5	Measured	0.207	Measured	606.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	7	1	37		168.5	Measured	0.258	Calculated	68.5	Measured	0.105	Calculated	144.3	Measured	0.221	Measured	653.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	8	1	48		217.6	Measured	0.293	Calculated	77.9	Measured	0.105	Calculated	168.7	Measured	0.227	Measured	743	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	9	1	61		216.9	Measured	0.249	Calculated	91.5	Measured	0.105	Calculated	176.3	Measured	0.202	Measured	872.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	10	1	115		331.5	Measured	0.273	Calculated	127.2	Measured	0.105	Calculated	228	Measured	0.188	Measured	1212.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	11	1	141		386.2	Measured	0.248	Calculated	163.6	Measured	0.105	Calculated	310.4	Measured	0.199	Measured	1559.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	12	1	141		385.2	Measured	0.243	Calculated	166.6	Measured	0.105	Calculated	297	Measured	0.187	Measured	1588	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	13	1	185		527.6	Measured	0.268	Calculated	206.4	Measured	0.105	Calculated	352.2	Measured	0.179	Measured	1967.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	14	1	200		537.1	Measured	0.256	Calculated	220.4	Measured	0.105	Calculated	81.9	Measured	0.039	Measured	2101.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	15	1	213		556.7	Measured	0.253	Calculated	230.6	Measured	0.105	Calculated	118.7	Measured	0.054	Measured	2198.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	16	1	214		596.2	Measured	0.271	Calculated	230.3	Measured	0.105	Calculated	116.4	Measured	0.053	Measured	2196.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	17	1	215		600.1	Measured	0.273	Calculated	230.3	Measured	0.105	Calculated	114.2	Measured	0.052	Measured	2195.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	18	1	215		501.6	Measured	0.227	Calculated	232	Measured	0.105	Calculated	108.4	Measured	0.049	Measured	2211.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	19	1	216		500.6	Measured	0.225	Calculated	233.7	Measured	0.105	Calculated	100.3	Measured	0.045	Measured	2228.6	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	20	1	215		520.3	Measured	0.234	Calculated	232.7	Measured	0.105	Calculated	113.2	Measured	0.051	Measured	2219	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	21	1	214		521.3	Measured	0.239	Calculated	229	Measured	0.105	Calculated	111.4	Measured	0.051	Measured	2183.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	22	1	215		539.3	Measured	0.246	Calculated	229.7	Measured	0.105	Calculated	116.1	Measured	0.053	Measured	2190.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		9/30/2025	23	1	215		532.6	Measured	0.242	Calculated	231.3	Measured	0.105	Calculated	112.4	Measured	0.051	Measured	2204.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	0	1	599		413.7	Measured	0.064	Calculated	676.5	Measured	0.105	Calculated	290.3	Measured	0.045	Measured	6450.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	1	1	599		484.7	Measured	0.075	Calculated	675.6	Measured	0.105	Calculated	270.6	Measured	0.042	Measured	6441.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	2	1	599		410.5	Measured	0.064	Calculated	671.2	Measured	0.105	Calculated	262.4	Measured	0.041	Measured	6400.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	3	1	598		433.1	Measured	0.067	Calculated	673.2	Measured	0.105	Calculated	269.6	Measured	0.042	Measured	6418.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	4	1	598		543.7	Measured	0.085	Calculated	673.3	Measured	0.105	Calculated	256.8	Measured	0.04	Measured	6420.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	5	1	598		1190.3	Measured	0.185	Calculated	673.1	Measured	0.105	Calculated	256.7	Measured	0.04	Measured	6418	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	6	1	598		1326.9	Measured	0.207	Calculated	670.7	Measured	0.105	Calculated	236.6	Measured	0.037	Measured	6395.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	7	1	599		1292.1	Measured	0.201	Calculated	672.8	Measured	0.105	Calculated	256.6	Measured	0.04	Measured	6414.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	8	1	598		970.2	Measured	0.149	Calculated	682.1	Measured	0.105	Calculated	240.6	Measured	0.037	Measured	6503.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	9	1	599		389.8	Measured	0.06	Calculated	684.6	Measured	0.105	Calculated	241.5	Measured	0.037	Measured	6527.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	10	1	599		324.2	Measured	0.05	Calculated	686.5	Measured	0.105	Calculated	320.7	Measured	0.049	Measured	6545.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	11	1	598		319.5	Measured	0.049	Calculated	688.1	Measured	0.105	Calculated	242.8	Measured	0.037	Measured	6560.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	12	1	598		271.8	Measured	0.041	Calculated	690.6	Measured	0.105	Calculated	263.4	Measured	0.04	Measured	6585.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	13	1	600		250.8	Measured	0.038	Calculated	692.7	Measured	0.105	Calculated	264.2	Measured	0.04	Measured	6604.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	14	1	600		335.7	Measured	0.051	Calculated	695.4	Measured	0.105	Calculated	258.6	Measured	0.039	Measured	6630.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	15	1	597		369.9	Measured	0.056	Calculated	698	Measured	0.105	Calculated	246.3	Measured	0.037	Measured	6655.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	16	1	598		517.2	Measured	0.077	Calculated	701.5	Measured	0.105	Calculated	267.5	Measured	0.04	Measured	6688.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	17	1	598		468.8	Measured	0.07	Calculated	700.7	Measured	0.105	Calculated	253.9	Measured	0.038	Measured	6681.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	18	1	599		521.6	Measured	0.078	Calculated	702.5	Measured	0.105	Calculated	267.9	Measured	0.04	Measured	6697.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	19	1	600		452.8	Measured	0.068	Calculated	695.8	Measured	0.105	Calculated	258.7	Measured	0.039	Measured	6634.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	20	1	598		476.8	Measured	0.072	Calculated	693.6	Measured	0.105	Calculated	257.9	Measured	0.039	Measured	6613.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	21	1	599		467.7	Measured	0.071	Calculated	693.7	Measured	0.105	Calculated	257.9	Measured	0.039	Measured	6614	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	22	1	600		461.3	Measured	0.07	Calculated	692.2	Measured	0.105	Calculated	270.6	Measured	0.041	Measured	6599.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/1/2025	23	1	599		450	Measured	0.069	Calculated	688.8	Measured	0.105	Calculated	269.3	Measured	0.041	Measured	6567.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	0	1	598		491.8	Measured	0.075	Calculated	686.6	Measured	0.105	Calculated	248.8	Measured	0.038	Measured	6546.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	1	1	600		514.5	Measured	0.078	Calculated	688	Measured	0.105	Calculated	255.9	Measured	0.039	Measured	6560.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	2	1	599		529.3	Measured	0.081	Calculated	683.8	Measured	0.105	Calculated	260.8	Measured	0.04	Measured	6520.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	3	1	599		465.2	Measured	0.072	Calculated	681.9	Measured	0.105	Calculated	266.6	Measured	0.041	Measured	6502.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	4	1	599		380.3	Measured	0.059	Calculated	680.8	Measured	0.105	Calculated	259.6	Measured	0.04	Measured	6490.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	5	1	598		475.5	Measured	0.073	Calculated	683.9	Measured	0.105	Calculated	247.8	Measured	0.038	Measured	6520.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	6	1	599		500.8	Measured	0.076	Calculated	691.6	Measured	0.105	Calculated	244	Measured	0.037	Measured	6594.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	7	1	601		369.8	Measured	0.056	Calculated	697.8	Measured	0.105	Calculated	259.5	Measured	0.039	Measured	6653.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	8	1	601		301.4	Measured	0.045	Calculated	700.6	Measured	0.105	Calculated	240.5	Measured	0.036	Measured	6679.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	9	1	597		207.4	Measured	0.031	Calculated	699.7	Measured	0.105	Calculated	246.8	Measured	0.037	Measured	6671.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	10	1	601		235.9	Measured	0.035	Calculated	715.2	Measured	0.105	Calculated	211.4	Measured	0.031	Measured	6818.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	11	1	597		261.4	Measured	0.038	Calculated	713	Measured	0.105	Calculated	271.9	Measured	0.04	Measured	6798.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	12	1	600		227.7	Measured	0.034	Calculated	712.1	Measured	0.105	Calculated	251.2	Measured	0.037	Measured	6789.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	13	1	600		256.3	Measured	0.038	Calculated	709	Measured	0.105	Calculated	256.9	Measured	0.038	Measured	6760	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	14	1	598		290.4	Measured	0.043	Calculated	706.9	Measured	0.105	Calculated	242.6	Measured	0.036	Measured	6739.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	15	1	598		286.7	Measured	0.043	Calculated	706.7	Measured	0.105	Calculated	242.6	Measured	0.036	Measured	6738.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	16	1	598		243.1	Measured	0.036	Calculated	701.8	Measured	0.105	Calculated	254.3	Measured	0.038	Measured	6691.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	17	1	598		237.8	Measured	0.035	Calculated	702.7	Measured	0.105	Calculated	268	Measured	0.04	Measured	6700.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	18	1	599		248.4	Measured	0.037	Calculated	695	Measured	0.105	Calculated	258.4	Measured	0.039	Measured	6626.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	19	1	599		236	Measured	0.036	Calculated	696.4	Measured	0.105	Calculated	265.6	Measured	0.04	Measured	6640.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	20	1	598		242	Measured	0.036	Calculated	697.7	Measured	0.105	Calculated	279.4	Measured	0.042	Measured	6652.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	21	1	599		297.9	Measured	0.045	Calculated	698.9	Measured	0.105	Calculated	273.2	Measured	0.041	Measured	6663.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	22	1	599		294.4	Measured	0.044	Calculated	699.3	Measured	0.105	Calculated	293.4	Measured	0.044	Measured	6667.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/2/2025	23	1	597		315.4	Measured	0.048	Calculated	690.4	Measured	0.105	Calculated	296.2	Measured	0.045	Measured	6582.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	0	1	599		335.7	Measured	0.051	Calculated	690.4	Measured	0.105	Calculated	256.7	Measured	0.039	Measured	6582.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	1	1	599		320.6	Measured	0.048	Calculated	693.5	Measured	0.105	Calculated	271.1	Measured	0.041	Measured	6612.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	2	1	599		275.3	Measured	0.041	Calculated	697.9	Measured	0.105	Calculated	272.8	Measured	0.041	Measured	6653.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	3	1	599		265.5	Measured	0.04	Calculated	696.4	Measured	0.105	Calculated	265.6	Measured	0.04	Measured	6639.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	4	1	598		297.8	Measured	0.045	Calculated	698.6	Measured	0.105	Calculated	273.1	Measured	0.041	Measured	6661.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	5	1	598		308.8	Measured	0.047	Calculated	692	Measured	0.105	Calculated	263.9	Measured	0.04	Measured	6598.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	6	1	600		295.8	Measured	0.045	Calculated	692.1	Measured	0.105	Calculated	296.9	Measured	0.045	Measured	6598.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	7	1	602		270.3	Measured	0.041	Calculated	699.3	Measured	0.105	Calculated	273.4	Measured	0.041	Measured	6667.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	8	1	605		308.5	Measured	0.047	Calculated	695.6	Measured	0.105	Calculated	265.3	Measured	0.04	Measured	6632	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	9	1	726		556.9	Measured	0.072	Calculated	814.4	Measured	0.105	Calculated	504.7	Measured	0.065	Measured	7765.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		6/3/2025	10	1	753		466.9	Measured	0.059	Calculated	826.6	Measured	0.105	Calculated	535.9	Measured	0.068	Measured	7881.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	11	1	754		447.1	Measured	0.057	Calculated	824.4	Measured	0.105	Calculated	518.8	Measured	0.066	Measured	7860.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	12	1	754		376.9	Measured	0.048	Calculated	824.8	Measured	0.105	Calculated	534.8	Measured	0.068	Measured	7864.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	13	1	753		424	Measured	0.054	Calculated	823.8	Measured	0.105	Calculated	510.6	Measured	0.065	Measured	7854.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	14	1	754		507	Measured	0.065	Calculated	820.9	Measured	0.105	Calculated	501	Measured	0.064	Measured	7827.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	15	1	753		390.3	Measured	0.05	Calculated	822.5	Measured	0.105	Calculated	517.6	Measured	0.066	Measured	7842.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	16	1	753		403.2	Measured	0.051	Calculated	823.7	Measured	0.105	Calculated	518.3	Measured	0.066	Measured	7853.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	17	1	754		374.4	Measured	0.048	Calculated	812.4	Measured	0.105	Calculated	449.3	Measured	0.058	Measured	7745.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	18	1	753		396.9	Measured	0.051	Calculated	816.2	Measured	0.105	Calculated	435.8	Measured	0.056	Measured	7782.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	19	1	754		386.3	Measured	0.05	Calculated	815.6	Measured	0.105	Calculated	443.3	Measured	0.057	Measured	7776.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	20	1	753		365.3	Measured	0.047	Calculated	814.9	Measured	0.105	Calculated	481.8	Measured	0.062	Measured	7770.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	21	1	754		353.8	Measured	0.045	Calculated	816.9	Measured	0.105	Calculated	459.6	Measured	0.059	Measured	7789.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	22	1	753		364.2	Measured	0.047	Calculated	817.2	Measured	0.105	Calculated	436.3	Measured	0.056	Measured	7791.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/3/2025	23	1	753		358.9	Measured	0.046	Calculated	819.2	Measured	0.105	Calculated	445.2	Measured	0.057	Measured	7810.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	0	1	754		350.9	Measured	0.045	Calculated	815	Measured	0.105	Calculated	442.9	Measured	0.057	Measured	7770.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	1	1	754		366.6	Measured	0.047	Calculated	813.2	Measured	0.105	Calculated	449.7	Measured	0.058	Measured	7753.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	2	1	753		375.2	Measured	0.048	Calculated	814.1	Measured	0.105	Calculated	489	Measured	0.063	Measured	7761.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	3	1	753		403.7	Measured	0.052	Calculated	813.4	Measured	0.105	Calculated	434.3	Measured	0.056	Measured	7755.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	4	1	754		439.7	Measured	0.057	Calculated	815.2	Measured	0.105	Calculated	443	Measured	0.057	Measured	7772.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	5	1	754		401.5	Measured	0.052	Calculated	813	Measured	0.105	Calculated	472.8	Measured	0.061	Measured	7751.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	6	1	754		401.5	Measured	0.052	Calculated	809	Measured	0.105	Calculated	478.2	Measured	0.062	Measured	7713.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	7	1	753		478.5	Measured	0.062	Calculated	814.4	Measured	0.105	Calculated	473.7	Measured	0.061	Measured	7765.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	8	1	753		412.6	Measured	0.053	Calculated	817.6	Measured	0.105	Calculated	491.1	Measured	0.063	Measured	7795.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	9	1	754		557.3	Measured	0.072	Calculated	816.2	Measured	0.105	Calculated	490.3	Measured	0.063	Measured	7782	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	10	1	754		340	Measured	0.044	Calculated	813.7	Measured	0.105	Calculated	581.9	Measured	0.075	Measured	7758.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	11	1	754		469.4	Measured	0.06	Calculated	816.6	Measured	0.105	Calculated	646.2	Measured	0.083	Measured	7786	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	12	1	754		530.5	Measured	0.068	Calculated	822.2	Measured	0.105	Calculated	533.1	Measured	0.068	Measured	7839.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	13	1	751		350.7	Measured	0.044	Calculated	826.6	Measured	0.105	Calculated	512.3	Measured	0.065	Measured	7881.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	14	1	701		402.7	Measured	0.054	Calculated	787.3	Measured	0.105	Calculated	390.3	Measured	0.052	Measured	7506.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	15	1	704		466.2	Measured	0.062	Calculated	786.7	Measured	0.105	Calculated	390.1	Measured	0.052	Measured	7501.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	16	1	701		238.3	Measured	0.032	Calculated	784	Measured	0.105	Calculated	366.3	Measured	0.049	Measured	7475.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	17	1	701		188.1	Measured	0.025	Calculated	783.5	Measured	0.105	Calculated	373.5	Measured	0.05	Measured	7470.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	18	1	703		240.7	Measured	0.032	Calculated	792	Measured	0.105	Calculated	370	Measured	0.049	Measured	7551.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	19	1	702		270.6	Measured	0.036	Calculated	791.5	Measured	0.105	Calculated	377.4	Measured	0.05	Measured	7547	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	20	1	702		540	Measured	0.072	Calculated	784	Measured	0.105	Calculated	366.3	Measured	0.049	Measured	7474.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	21	1	701		285.3	Measured	0.038	Calculated	782.2	Measured	0.105	Calculated	350.5	Measured	0.047	Measured	7458.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	22	1	701		266.4	Measured	0.035	Calculated	791.1	Measured	0.105	Calculated	347	Measured	0.046	Measured	7542.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	23	1	702		349	Measured	0.046	Calculated	792.1	Measured	0.105	Calculated	400.3	Measured	0.053	Measured	7552	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	0	1	703		380.8	Measured	0.05	Calculated	791.3	Measured	0.105	Calculated	392.4	Measured	0.052	Measured	7545.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	1	1	702		367.8	Measured	0.049	Calculated	789.2	Measured	0.105	Calculated	376.3	Measured	0.05	Measured	7525.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	2	1	702		351.1	Measured	0.046	Calculated	792.2	Measured	0.105	Calculated	377.7	Measured	0.05	Measured	7553.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	3	1	702		331.1	Measured	0.044	Calculated	792.5	Measured	0.105	Calculated	385.4	Measured	0.051	Measured	7556	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	4	1	702		447	Measured	0.059	Calculated	791.5	Measured	0.105	Calculated	422.6	Measured	0.056	Measured	7546.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	5	1	703		321.3	Measured	0.042	Calculated	793	Measured	0.105	Calculated	438.5	Measured	0.058	Measured	7561.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	6	1	702		381.3	Measured	0.05	Calculated	799.3	Measured	0.105	Calculated	434.4	Measured	0.057	Measured	7620.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	7	1	702		309.5	Measured	0.041	Calculated	793.6	Measured	0.105	Calculated	423.8	Measured	0.056	Measured	7567.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	8	1	702		326.6	Measured	0.043	Calculated	798.1	Measured	0.105	Calculated	464.2	Measured	0.061	Measured	7609.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	9	1	703		393.3	Measured	0.052	Calculated	799.2	Measured	0.105	Calculated	495.3	Measured	0.065	Measured	7620.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	10	1	702		544.7	Measured	0.072	Calculated	790.8	Measured	0.105	Calculated	505.2	Measured	0.067	Measured	7540.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	11	1	704		454.2	Measured	0.06	Calculated	796.9	Measured	0.105	Calculated	577.5	Measured	0.076	Measured	7598.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	12	1	737		320.7	Measured	0.041	Calculated	826	Measured	0.105	Calculated	763.9	Measured	0.097	Measured	7875.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	13	1	732		392.9	Measured	0.051	Calculated	815.2	Measured	0.105	Calculated	761.7	Measured	0.098	Measured	7772.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	14	1	731		488.6	Measured	0.063	Calculated	811	Measured	0.105	Calculated	788.7	Measured	0.102	Measured	7732.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	15	1	731		588.1	Measured	0.076	Calculated	811.9	Measured	0.105	Calculated	472.2	Measured	0.061	Measured	7741.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	16	1	749		494	Measured	0.063	Calculated	826.9	Measured	0.105	Calculated	417.9	Measured	0.053	Measured	7884.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	17	1	739		341.9	Measured	0.044	Calculated	822.6	Measured	0.105	Calculated	415.7	Measured	0.053	Measured	7843.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	18	1	756		293	Measured	0.037	Calculated	834.8	Measured	0.105	Calculated	453.7	Measured	0.057	Measured	7959.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	19	1	757		348.4	Measured	0.044	Calculated	833.2	Measured	0.105	Calculated	413.1	Measured	0.052	Measured	7944.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	20	1	756		499.5	Measured	0.063	Calculated	825.5	Measured	0.105	Calculated	425	Measured	0.054	Measured	7870.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	21	1	757		440.4	Measured	0.056	Calculated	827.5	Measured	0.105	Calculated	434	Measured	0.055	Measured	7890.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	22	1	756		347.5	Measured	0.044	Calculated	828.9	Measured	0.105	Calculated	403	Measured	0.051	Measured	7902.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	23	1	757		368.3	Measured	0.047	Calculated	828.8	Measured	0.105	Calculated	426.7	Measured	0.054	Measured	7902.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	0	1	757		382.4	Measured	0.048	Calculated	827.7	Measured	0.105	Calculated	386.7	Measured	0.049	Measured	7892.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	1	1	757		384.4	Measured	0.049	Calculated	827.6	Measured	0.105	Calculated	347.2	Measured	0.044	Measured	7890.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	2	1	756		409.3	Measured	0.052	Calculated	827.6	Measured	0.105	Calculated	363	Measured	0.046	Measured	7891.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	3	1	756		373.4	Measured	0.047	Calculated	826.2	Measured	0.105	Calculated	362.4	Measured	0.046	Measured	7878	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	4	1	756		341.9	Measured	0.043	Calculated	825.2	Measured	0.105	Calculated	354.1	Measured	0.045	Measured	7868.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	5	1	757		328.5	Measured	0.041	Calculated	835.2	Measured	0.105	Calculated	358.4	Measured	0.045	Measured	7963.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	6	1	757		363.4	Measured	0.046	Calculated	834.4	Measured	0.105	Calculated	381.9	Measured	0.048	Measured	7955.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	7	1	756		697	Measured	0.088	Calculated	830.9	Measured	0.105	Calculated	404	Measured	0.051	Measured	7922.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	8	1	717		419.4	Measured	0.055	Calculated	796.3	Measured	0.105	Calculated	303.7	Measured	0.04	Measured	7592.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	9	1	755		425.5	Measured	0.054	Calculated	826.7	Measured	0.105	Calculated	402	Measured	0.051	Measured	7882.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	10	1	757		353.6	Measured	0.045	Calculated	828.5	Measured	0.105	Calculated	379.2	Measured	0.048	Measured	7899.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	11	1	756		340.7	Measured	0.043	Calculated	827.5	Measured	0.105	Calculated	347.1	Measured	0.044	Measured	7889.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	12	1	755		325.6	Measured	0.041	Calculated	835	Measured	0.105	Calculated	286.6	Measured	0.036	Measured	7961.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	13	1	757		358.7	Measured	0.045	Calculated	835.3	Measured	0.105	Calculated	278.8	Measured	0.035	Measured	7964.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	14	1	756		324.8	Measured	0.041	Calculated	840.1	Measured	0.105	Calculated	304.4	Measured	0.038	Measured	8010.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	15	1	757		423	Measured	0.053	Calculated	839.1	Measured	0.105	Calculated	368	Measured	0.046	Measured	8000.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	16	1	755		568.9	Measured	0.071	Calculated	839.2	Measured	0.105	Calculated	376.1	Measured	0.047	Measured	8001.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	17	1	756		464.8	Measured	0.059	Calculated	829.7	Measured	0.105	Calculated	371.8	Measured	0.047	Measured	7910.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	18	1	757		368.2	Measured	0.046	Calculated	833.4	Measured	0.105	Calculated	397.3	Measured	0.05	Measured	7946.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	19	1	755		423.5	Measured	0.054	Calculated	826	Measured	0.105	Calculated	464.6	Measured	0.059	Measured	7875.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	20	1	755		443	Measured	0.056	Calculated	827.8	Measured	0.105	Calculated	694.6	Measured	0.088	Measured	7893	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	21	1	756		429.1	Measured	0.054	Calculated	828.8	Measured	0.105	Calculated	774.5	Measured	0.098	Measured	7902.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	22	1	756		390.8	Measured	0.049	Calculated	833.4	Measured	0.105	Calculated	492.7	Measured	0.062	Measured	7946.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	23	1	756		447.6	Measured	0.056	Calculated	831.9	Measured	0.105	Calculated	420.4	Measured	0.053	Measured	7932.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	0	1	756		417.1	Measured	0.053	Calculated	829.5	Measured	0.105	Calculated	458.7	Measured	0.058	Measured	7908.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	1	1	757		316.1	Measured	0.04	Calculated	830.1	Measured	0.105	Calculated	443.2	Measured	0.056	Measured	7914.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	2	1	756		324.3	Measured	0.041	Calculated	829.9	Measured	0.105	Calculated	451	Measured	0.057	Measured	7912.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	3	1	754		306.9	Measured	0.039	Calculated	827.6	Measured	0.105	Calculated	434	Measured	0.055	Measured	7891.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	4	1	755		316.9	Measured	0.04	Calculated	826.7	Measured	0.105	Calculated	378.4	Measured	0.048	Measured	7882.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	5	1	756		357.2	Measured	0.045	Calculated	829.4	Measured	0.105	Calculated	387.5	Measured	0.049	Measured	7908.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	6	1	755		405.8	Measured	0.052	Calculated	823.5	Measured	0.105	Calculated	400.4	Measured	0.051	Measured	7851.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	7	1	756		350.1	Measured	0.044	Calculated	827.5	Measured	0.105	Calculated	410.3	Measured	0.052	Measured	7889.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	8	1	756		346.6	Measured	0.044	Calculated	823.9	Measured	0.105	Calculated	369.2	Measured	0.047	Measured	7855.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	9	1	756		222.5	Measured	0.028	Calculated	827.7	Measured	0.105	Calculated	386.7	Measured	0.049	Measured	7892.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	10	1	757		538.7	Measured	0.068	Calculated	826	Measured	0.105	Calculated	401.6	Measured	0.051	Measured	7875.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	11	1	756		432.3	Measured	0.055	Calculated	819.2	Measured	0.105	Calculated	406.2	Measured	0.052	Measured	7810.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	12	1	756		381.6	Measured	0.049	Calculated	819.7	Measured	0.105	Calculated	422.1	Measured	0.054	Measured	7815.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	13	1	756		408.1	Measured	0.052	Calculated	819.7	Measured	0.105	Calculated	390.8	Measured	0.05	Measured	7815.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	14	1	756		462.1	Measured	0.059	Calculated	821.5	Measured	0.105	Calculated	344.6	Measured	0.044	Measured	7832.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	15	1	757		647.7	Measured	0.083	Calculated	818.2	Measured	0.105	Calculated	374.5	Measured	0.048	Measured	7801.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	16	1	758		439.7	Measured	0.057	Calculated	810.8	Measured	0.105	Calculated	378.8	Measured	0.049	Measured	7731	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	17	1	755		380.3	Measured	0.049	Calculated	814.3	Measured	0.105	Calculated	380.4	Measured	0.049	Measured	7764.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	18	1	757		359.6	Measured	0.046	Calculated	813.9	Measured	0.105	Calculated	403.5	Measured	0.052	Measured	7759.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	19	1	756		381	Measured	0.049	Calculated	815.9	Measured	0.105	Calculated	381.2	Measured	0.049	Measured	7778.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	20	1	758		422.4	Measured	0.054	Calculated	816.8	Measured	0.105	Calculated	389.4	Measured	0.05	Measured	7788.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	21	1	757		437.7	Measured	0.056	Calculated	814.8	Measured	0.105	Calculated	388.4	Measured	0.05	Measured	7768.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	22	1	756		460.8	Measured	0.06	Calculated	812.1	Measured	0.105	Calculated	363.9	Measured	0.047	Measured	7742.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/7/2025	23	1	757		431.3	Measured	0.056	Calculated	810.4	Measured	0.105	Calculated	340	Measured	0.044	Measured	7727.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	0	1	757		382.2	Measured	0.049	Calculated	814.1	Measured	0.105	Calculated	364.8	Measured	0.047	Measured	7761.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	1	1	757		320.4	Measured	0.041	Calculated	812.8	Measured	0.105	Calculated	356.5	Measured	0.046	Measured	7749.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	2	1	757		267.4	Measured	0.034	Calculated	813.1	Measured	0.105	Calculated	325.6	Measured	0.042	Measured	7753	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	3	1	756		289.4	Measured	0.037	Calculated	811.9	Measured	0.105	Calculated	325.1	Measured	0.042	Measured	7740.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	4	1	756		306.1	Measured	0.039	Calculated	812.9	Measured	0.105	Calculated	341	Measured	0.044	Measured	7750.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	5	1	755		314.2	Measured	0.041	Calculated	812.7	Measured	0.105	Calculated	348.7	Measured	0.045	Measured	7748.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	6	1	755		472.9	Measured	0.062	Calculated	805	Measured	0.105	Calculated	360.8	Measured	0.047	Measured	7675.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	7	1	755		260.9	Measured	0.034	Calculated	812	Measured	0.105	Calculated	363.9	Measured	0.047	Measured	7742	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	8	1	756		237	Measured	0.031	Calculated	813.9	Measured	0.105	Calculated	341.4	Measured	0.044	Measured	7760	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	9	1	757		274.4	Measured	0.035	Calculated	822.5	Measured	0.105	Calculated	368.6	Measured	0.047	Measured	7842.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	10	1	757		294.8	Measured	0.038	Calculated	822.4	Measured	0.105	Calculated	352.9	Measured	0.045	Measured	7841.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	11	1	755		343.3	Measured	0.044	Calculated	813.8	Measured	0.105	Calculated	341.4	Measured	0.044	Measured	7759.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	12	1	757		353.7	Measured	0.046	Calculated	814.5	Measured	0.105	Calculated	341.7	Measured	0.044	Measured	7765.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	13	1	758		339.2	Measured	0.043	Calculated	818.9	Measured	0.105	Calculated	351.3	Measured	0.045	Measured	7807.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	14	1	758		534.5	Measured	0.069	Calculated	808.6	Measured	0.105	Calculated	377.8	Measured	0.049	Measured	7710.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	15	1	756		333.8	Measured	0.043	Calculated	808.7	Measured	0.105	Calculated	401	Measured	0.052	Measured	7711	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	16	1	756		468.3	Measured	0.061	Calculated	804	Measured	0.105	Calculated	398.6	Measured	0.052	Measured	7665.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	17	1	756		345.5	Measured	0.045	Calculated	807.4	Measured	0.105	Calculated	369.5	Measured	0.048	Measured	7698.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	18	1	757		348.2	Measured	0.045	Calculated	808.7	Measured	0.105	Calculated	377.8	Measured	0.049	Measured	7711	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	19	1	757		336.6	Measured	0.044	Calculated	810.5	Measured	0.105	Calculated	378.7	Measured	0.049	Measured	7727.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	20	1	757		338.4	Measured	0.044	Calculated	809.9	Measured	0.105	Calculated	386.1	Measured	0.05	Measured	7721.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	21	1	756		376.8	Measured	0.049	Calculated	808.7	Measured	0.105	Calculated	370.1	Measured	0.048	Measured	7711	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	22	1	756		385.8	Measured	0.05	Calculated	810.3	Measured	0.105	Calculated	370.8	Measured	0.048	Measured	7726	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/8/2025	23	1	757		367.1	Measured	0.048	Calculated	809.8	Measured	0.105	Calculated	386.1	Measured	0.05	Measured	7721.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	0	1	758		374.6	Measured	0.048	Calculated	812.7	Measured	0.105	Calculated	403	Measured	0.052	Measured	7749.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	1	1	757		464.4	Measured	0.06	Calculated	807.8	Measured	0.105	Calculated	400.5	Measured	0.052	Measured	7702.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	2	1	756		513.9	Measured	0.067	Calculated	808.5	Measured	0.105	Calculated	370	Measured	0.048	Measured	7708.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	3	1	756		428.7	Measured	0.056	Calculated	810.1	Measured	0.105	Calculated	370.7	Measured	0.048	Measured	7723.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	4	1	756		403.6	Measured	0.052	Calculated	809	Measured	0.105	Calculated	378	Measured	0.049	Measured	7714	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		6/9/2025	5	1	757		417.7	Measured	0.054	Calculated	815.6	Measured	0.105	Calculated	373.3	Measured	0.048	Measured	7776.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	6	1	756		391.2	Measured	0.05	Calculated	815.9	Measured	0.105	Calculated	389	Measured	0.05	Measured	7779.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	7	1	757		307.5	Measured	0.04	Calculated	816.4	Measured	0.105	Calculated	365.9	Measured	0.047	Measured	7784.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	8	1	757		451.8	Measured	0.058	Calculated	818	Measured	0.105	Calculated	366.6	Measured	0.047	Measured	7799	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	9	1	757		1164.8	Measured	0.15	Calculated	816.7	Measured	0.105	Calculated	358.2	Measured	0.046	Measured	7786.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	10	1	757		1264.4	Measured	0.163	Calculated	815.3	Measured	0.105	Calculated	373.2	Measured	0.048	Measured	7774	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	11	1	756		832	Measured and Substitut	0.106	Calculated	821.3	Measured and	0.105	Calculated	430.7	Measured and Su	0.055	Substitute	7830.5	Measured and S	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	12	1	757		833.4	Measured and Substitut	0.106	Calculated	822.6	Measured and	0.105	Calculated	431.4	Measured and Su	0.055	Substitute	7843.6	Measured and S	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	13	1	758		389.2	Measured	0.05	Calculated	818.7	Measured	0.105	Calculated	359.1	Measured	0.046	Measured	7806.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	14	1	758		531.6	Measured	0.068	Calculated	818.3	Measured	0.105	Calculated	351.1	Measured	0.045	Measured	7802.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	15	1	757		487.7	Measured	0.063	Calculated	809.4	Measured	0.105	Calculated	339.6	Measured	0.044	Measured	7717.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	16	1	757		314.6	Measured	0.04	Calculated	820.7	Measured	0.105	Calculated	320.8	Measured	0.041	Measured	7825.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	17	1	757		349.8	Measured	0.045	Calculated	821.9	Measured	0.105	Calculated	384	Measured	0.049	Measured	7836.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	18	1	758		382.1	Measured	0.049	Calculated	820.8	Measured	0.105	Calculated	399.1	Measured	0.051	Measured	7826.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	19	1	758		355.2	Measured	0.045	Calculated	820.2	Measured	0.105	Calculated	422.3	Measured	0.054	Measured	7819.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	20	1	757		322.5	Measured	0.041	Calculated	820.1	Measured	0.105	Calculated	391	Measured	0.05	Measured	7819.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	21	1	757		342.4	Measured	0.044	Calculated	823.6	Measured	0.105	Calculated	353.4	Measured	0.045	Measured	7853.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	22	1	758		377.5	Measured	0.048	Calculated	824.3	Measured	0.105	Calculated	353.7	Measured	0.045	Measured	7859.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/9/2025	23	1	757		461.4	Measured	0.059	Calculated	823.8	Measured	0.105	Calculated	369.2	Measured	0.047	Measured	7854.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	0	1	758		444.8	Measured	0.057	Calculated	823.4	Measured	0.105	Calculated	392.6	Measured	0.05	Measured	7851.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	1	1	759		436.6	Measured	0.056	Calculated	816.4	Measured	0.105	Calculated	381.4	Measured	0.049	Measured	7783.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	2	1	758		448.9	Measured	0.058	Calculated	816.4	Measured	0.105	Calculated	381.4	Measured	0.049	Measured	7784.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	3	1	758		349.6	Measured	0.045	Calculated	814.2	Measured	0.105	Calculated	434.8	Measured	0.056	Measured	7763.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	4	1	757		629.4	Measured	0.081	Calculated	818.3	Measured	0.105	Calculated	444.7	Measured	0.057	Measured	7802.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	5	1	756		483.6	Measured	0.062	Calculated	816.3	Measured	0.105	Calculated	389.2	Measured	0.05	Measured	7783.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	6	1	758		658.9	Measured	0.084	Calculated	821.5	Measured	0.105	Calculated	391.6	Measured	0.05	Measured	7832.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	7	1	757		392.8	Measured	0.05	Calculated	824.7	Measured	0.105	Calculated	385.3	Measured	0.049	Measured	7863.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	8	1	758		502.4	Measured	0.063	Calculated	830.8	Measured	0.105	Calculated	411.9	Measured	0.052	Measured	7921.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	9	1	758		567.5	Measured	0.072	Calculated	826.1	Measured	0.105	Calculated	417.5	Measured	0.053	Measured	7876.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	10	1	758		561.1	Measured	0.071	Calculated	829.7	Measured	0.105	Calculated	371.8	Measured	0.047	Measured	7910.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	11	1	757		519.9	Measured	0.065	Calculated	832.6	Measured	0.105	Calculated	381.1	Measured	0.048	Measured	7938.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	12	1	758		523.4	Measured	0.066	Calculated	834.9	Measured	0.105	Calculated	406	Measured	0.051	Measured	7960.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	13	1	759		515.5	Measured	0.065	Calculated	832.2	Measured	0.105	Calculated	420.5	Measured	0.053	Measured	7934.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	14	1	757		559	Measured	0.071	Calculated	822.6	Measured	0.105	Calculated	415.7	Measured	0.053	Measured	7843	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	15	1	758		768.8	Measured	0.098	Calculated	823.7	Measured	0.105	Calculated	384.8	Measured	0.049	Measured	7853.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	16	1	757		520.7	Measured	0.066	Calculated	826.8	Measured	0.105	Calculated	386.3	Measured	0.049	Measured	7883.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	17	1	758		379	Measured	0.048	Calculated	827.5	Measured	0.105	Calculated	418.2	Measured	0.053	Measured	7890.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	18	1	758		464.3	Measured	0.059	Calculated	825.4	Measured	0.105	Calculated	495.8	Measured	0.063	Measured	7869.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	19	1	759		401.9	Measured	0.051	Calculated	828.1	Measured	0.105	Calculated	679	Measured	0.086	Measured	7895.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	20	1	757		629.2	Measured	0.08	Calculated	823.4	Measured	0.105	Calculated	722.2	Measured	0.092	Measured	7850.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	21	1	758		490.8	Measured	0.062	Calculated	835.6	Measured	0.105	Calculated	756.8	Measured	0.095	Measured	7966.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	22	1	758		444.6	Measured	0.055	Calculated	841.7	Measured	0.105	Calculated	449.4	Measured	0.056	Measured	8025.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/10/2025	23	1	758		386.2	Measured	0.048	Calculated	841.3	Measured	0.105	Calculated	425.1	Measured	0.053	Measured	8021.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	0	1	759		396	Measured	0.049	Calculated	840.1	Measured	0.105	Calculated	400.5	Measured	0.05	Measured	8010	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	1	1	759		598.1	Measured	0.075	Calculated	838.5	Measured	0.105	Calculated	423.7	Measured	0.053	Measured	7995	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	2	1	760		525.4	Measured	0.066	Calculated	838.2	Measured	0.105	Calculated	431.6	Measured	0.054	Measured	7991.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	3	1	759		379.2	Measured	0.048	Calculated	832.5	Measured	0.105	Calculated	404.8	Measured	0.051	Measured	7937.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	4	1	758		353	Measured	0.044	Calculated	834.1	Measured	0.105	Calculated	389.7	Measured	0.049	Measured	7953.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	5	1	758		324.8	Measured	0.041	Calculated	836.4	Measured	0.105	Calculated	374.8	Measured	0.047	Measured	7974.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	6	1	759		340	Measured	0.043	Calculated	838.1	Measured	0.105	Calculated	383.6	Measured	0.048	Measured	7991	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	7	1	759		580.2	Measured	0.072	Calculated	846.7	Measured	0.105	Calculated	379.4	Measured	0.047	Measured	8072.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	8	1	760		441.4	Measured	0.055	Calculated	842.8	Measured	0.105	Calculated	361.6	Measured	0.045	Measured	8035.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	9	1	758		441.9	Measured	0.055	Calculated	839.8	Measured	0.105	Calculated	360.3	Measured	0.045	Measured	8007.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	10	1	759		393.8	Measured	0.049	Calculated	842.4	Measured	0.105	Calculated	369.5	Measured	0.046	Measured	8031.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	11	1	758		291.2	Measured	0.036	Calculated	843.8	Measured	0.105	Calculated	370.1	Measured	0.046	Measured	8045.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	12	1	759		291.5	Measured	0.036	Calculated	837.6	Measured	0.105	Calculated	375.4	Measured	0.047	Measured	7986.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	13	1	759		429.3	Measured	0.054	Calculated	836.2	Measured	0.105	Calculated	366.8	Measured	0.046	Measured	7973.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	14	1	757		546.6	Measured	0.069	Calculated	835.8	Measured	0.105	Calculated	366.6	Measured	0.046	Measured	7968.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	15	1	757		552.9	Measured	0.069	Calculated	839.8	Measured	0.105	Calculated	376.3	Measured	0.047	Measured	8007.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	16	1	758		376.3	Measured	0.047	Calculated	837.7	Measured	0.105	Calculated	391.4	Measured	0.049	Measured	7987.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	17	1	758		378.3	Measured	0.047	Calculated	837.7	Measured	0.105	Calculated	391.4	Measured	0.049	Measured	7987	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	18	1	758		463.6	Measured	0.058	Calculated	842.4	Measured	0.105	Calculated	409.6	Measured	0.051	Measured	8032	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	19	1	760		449.2	Measured	0.056	Calculated	842.7	Measured	0.105	Calculated	506.2	Measured	0.063	Measured	8034.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	20	1	758		342.5	Measured	0.043	Calculated	833.9	Measured	0.105	Calculated	707.6	Measured	0.089	Measured	7950.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	21	1	758		313.3	Measured	0.039	Calculated	833.6	Measured	0.105	Calculated	588.2	Measured	0.074	Measured	7948.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	22	1	759		321.4	Measured	0.04	Calculated	832.9	Measured	0.105	Calculated	373.3	Measured	0.047	Measured	7941.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/11/2025	23	1	758		333.3	Measured	0.042	Calculated	831.6	Measured	0.105	Calculated	380.6	Measured	0.048	Measured	7929	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	0	1	759		361.5	Measured	0.045	Calculated	834.7	Measured	0.105	Calculated	390	Measured	0.049	Measured	7958.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	1	1	758		356.9	Measured	0.045	Calculated	835.9	Measured	0.105	Calculated	382.6	Measured	0.048	Measured	7970.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	2	1	758		363.4	Measured	0.046	Calculated	836.6	Measured	0.105	Calculated	398.9	Measured	0.05	Measured	7977.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	3	1	738		372.2	Measured	0.048	Calculated	810	Measured	0.105	Calculated	355.3	Measured	0.046	Measured	7723.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	4	1	649		244.8	Measured	0.034	Calculated	748.8	Measured	0.105	Calculated	228.5	Measured	0.032	Measured	7139.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	5	1	635		312.4	Measured	0.044	Calculated	741.1	Measured	0.105	Calculated	240.3	Measured	0.034	Measured	7066.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	6	1	633		863.2	Measured	0.123	Calculated	734.5	Measured	0.105	Calculated	280.1	Measured	0.04	Measured	7003.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	7	1	639		347.9	Measured	0.049	Calculated	744.2	Measured	0.105	Calculated	255.4	Measured	0.036	Measured	7095.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	8	1	740		411.9	Measured	0.052	Calculated	834.6	Measured	0.105	Calculated	397.9	Measured	0.05	Measured	7957.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	9	1	758		286.3	Measured	0.036	Calculated	840.6	Measured	0.105	Calculated	376.7	Measured	0.047	Measured	8014.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	10	1	758		317.1	Measured	0.04	Calculated	839.9	Measured	0.105	Calculated	368.4	Measured	0.046	Measured	8008	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	11	1	757		333.9	Measured	0.042	Calculated	840.3	Measured	0.105	Calculated	392.6	Measured	0.049	Measured	8012.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	12	1	757		355.6	Measured	0.045	Calculated	837.7	Measured	0.105	Calculated	391.4	Measured	0.049	Measured	7986.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	13	1	757		336.9	Measured	0.042	Calculated	842.6	Measured	0.105	Calculated	425.8	Measured	0.053	Measured	8034.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	14	1	758		449.2	Measured	0.056	Calculated	838.7	Measured	0.105	Calculated	447.8	Measured	0.056	Measured	7996.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	15	1	756		602.2	Measured	0.075	Calculated	839.8	Measured	0.105	Calculated	464.4	Measured	0.058	Measured	8007.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	16	1	758		486.3	Measured	0.061	Calculated	831.4	Measured	0.105	Calculated	491.5	Measured	0.062	Measured	7927.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	17	1	758		376.9	Measured	0.048	Calculated	829.9	Measured	0.105	Calculated	466.8	Measured	0.059	Measured	7912.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	18	1	731		361.7	Measured	0.047	Calculated	807.3	Measured	0.105	Calculated	508	Measured	0.066	Measured	7697.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	19	1	661		318.2	Measured	0.045	Calculated	745.8	Measured	0.105	Calculated	320	Measured	0.045	Measured	7110.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	20	1	717		425.7	Measured	0.055	Calculated	806.7	Measured	0.105	Calculated	423	Measured	0.055	Measured	7691.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	21	1	759		271.6	Measured	0.034	Calculated	840	Measured	0.105	Calculated	456.5	Measured	0.057	Measured	8009.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	22	1	758		306.2	Measured	0.039	Calculated	831.1	Measured	0.105	Calculated	396.2	Measured	0.05	Measured	7923.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/12/2025	23	1	758		364.7	Measured	0.046	Calculated	832.5	Measured	0.105	Calculated	404.8	Measured	0.051	Measured	7937.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	0	1	759		388.4	Measured	0.049	Calculated	834.4	Measured	0.105	Calculated	413.7	Measured	0.052	Measured	7955.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	1	1	759		350.4	Measured	0.044	Calculated	833	Measured	0.105	Calculated	397.1	Measured	0.05	Measured	7942.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	2	1	758		370.5	Measured	0.047	Calculated	824.5	Measured	0.105	Calculated	400.9	Measured	0.051	Measured	7861.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	3	1	710		554.8	Measured	0.074	Calculated	782.4	Measured	0.105	Calculated	313.3	Measured	0.042	Measured	7460.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	4	1	633		365.4	Measured	0.053	Calculated	723.4	Measured	0.105	Calculated	282.8	Measured	0.041	Measured	6897.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	5	1	643		497.5	Measured	0.071	Calculated	734.9	Measured	0.105	Calculated	294.3	Measured	0.042	Measured	7007.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	6	1	745		450.9	Measured	0.058	Calculated	815.9	Measured	0.105	Calculated	357.9	Measured	0.046	Measured	7779.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	7	1	757		371.5	Measured	0.047	Calculated	834	Measured	0.105	Calculated	357.8	Measured	0.045	Measured	7951.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	8	1	757		363.3	Measured	0.046	Calculated	834	Measured	0.105	Calculated	357.8	Measured	0.045	Measured	7951.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	9	1	758		366.3	Measured	0.046	Calculated	831.6	Measured	0.105	Calculated	372.7	Measured	0.047	Measured	7928.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	10	1	758		282	Measured	0.035	Calculated	835	Measured	0.105	Calculated	366.2	Measured	0.046	Measured	7961.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	11	1	757		330.2	Measured	0.042	Calculated	825.8	Measured	0.105	Calculated	354.3	Measured	0.045	Measured	7873.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	12	1	758		318.5	Measured	0.04	Calculated	827.2	Measured	0.105	Calculated	378.6	Measured	0.048	Measured	7887	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	13	1	758		336.7	Measured	0.043	Calculated	826.8	Measured	0.105	Calculated	386.3	Measured	0.049	Measured	7883.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	14	1	757		388.2	Measured	0.049	Calculated	830.5	Measured	0.105	Calculated	388	Measured	0.049	Measured	7918.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	15	1	757		379.1	Measured	0.048	Calculated	832.7	Measured	0.105	Calculated	404.9	Measured	0.051	Measured	7939.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	16	1	757		464.2	Measured	0.059	Calculated	832	Measured	0.105	Calculated	404.6	Measured	0.051	Measured	7932.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	17	1	758		452.9	Measured	0.057	Calculated	829.8	Measured	0.105	Calculated	403.5	Measured	0.051	Measured	7911.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	18	1	757		376.9	Measured	0.048	Calculated	827.9	Measured	0.105	Calculated	426.3	Measured	0.054	Measured	7893.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	19	1	757		428.3	Measured	0.054	Calculated	829.5	Measured	0.105	Calculated	427.1	Measured	0.054	Measured	7908.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	20	1	757		469.9	Measured	0.06	Calculated	824	Measured	0.105	Calculated	400.7	Measured	0.051	Measured	7856.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	21	1	758		311.5	Measured	0.039	Calculated	831.9	Measured	0.105	Calculated	412.5	Measured	0.052	Measured	7932.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	22	1	758		334.5	Measured	0.042	Calculated	833.3	Measured	0.105	Calculated	421.1	Measured	0.053	Measured	7945.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/13/2025	23	1	758		291.1	Measured	0.037	Calculated	831.9	Measured	0.105	Calculated	420.4	Measured	0.053	Measured	7931.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	0	1	756		492.6	Measured	0.062	Calculated	828.5	Measured	0.105	Calculated	395	Measured	0.05	Measured	7899.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	1	1	756		413.5	Measured	0.052	Calculated	827.2	Measured	0.105	Calculated	370.7	Measured	0.047	Measured	7886.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	2	1	758		609.7	Measured	0.077	Calculated	829.1	Measured	0.105	Calculated	363.6	Measured	0.046	Measured	7905.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	3	1	756		567.2	Measured	0.072	Calculated	831.7	Measured	0.105	Calculated	372.7	Measured	0.047	Measured	7930	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	4	1	756		396.3	Measured	0.05	Calculated	828.8	Measured	0.105	Calculated	371.4	Measured	0.047	Measured	7902.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	5	1	756		380.5	Measured	0.048	Calculated	829.5	Measured	0.105	Calculated	363.8	Measured	0.046	Measured	7909.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	6	1	758		393.8	Measured	0.05	Calculated	832.1	Measured	0.105	Calculated	365	Measured	0.046	Measured	7934	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	7	1	757		356.7	Measured	0.045	Calculated	830.4	Measured	0.105	Calculated	364.2	Measured	0.046	Measured	7917.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	8	1	758		420.8	Measured	0.053	Calculated	833.5	Measured	0.105	Calculated	365.6	Measured	0.046	Measured	7947.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	9	1	758		270.5	Measured	0.034	Calculated	825	Measured	0.105	Calculated	361.8	Measured	0.046	Measured	7865.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	10	1	758		285.3	Measured	0.036	Calculated	826.8	Measured	0.105	Calculated	378.4	Measured	0.048	Measured	7883.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	11	1	757		411	Measured	0.052	Calculated	827.2	Measured	0.105	Calculated	370.7	Measured	0.047	Measured	7887.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	12	1	758		369.8	Measured	0.047	Calculated	830.2	Measured	0.105	Calculated	387.9	Measured	0.049	Measured	7916	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	13	1	757		474.4	Measured	0.06	Calculated	828.3	Measured	0.105	Calculated	394.9	Measured	0.05	Measured	7897.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	14	1	758		305.7	Measured	0.039	Calculated	820.4	Measured	0.105	Calculated	398.9	Measured	0.051	Measured	7822.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	15	1	757		290.9	Measured	0.037	Calculated	824.4	Measured	0.105	Calculated	393	Measured	0.05	Measured	7860.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	16	1	757		513.7	Measured	0.065	Calculated	826.5	Measured	0.105	Calculated	378.2	Measured	0.048	Measured	7880.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	17	1	757		229.5	Measured	0.029	Calculated	822.9	Measured	0.105	Calculated	368.8	Measured	0.047	Measured	7845.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	18	1	758		224.6	Measured	0.028	Calculated	827.4	Measured	0.105	Calculated	362.9	Measured	0.046	Measured	7888.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	19	1	758		632.1	Measured	0.08	Calculated	825.2	Measured	0.105	Calculated	369.8	Measured	0.047	Measured	7867.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	20	1	757		309.1	Measured	0.039	Calculated	823.9	Measured	0.105	Calculated	369.2	Measured	0.047	Measured	7855.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	21	1	758		322.8	Measured	0.041	Calculated	827.7	Measured	0.105	Calculated	386.7	Measured	0.049	Measured	7892.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	22	1	758		303.6	Measured	0.039	Calculated	825.5	Measured	0.105	Calculated	409.3	Measured	0.052	Measured	7870.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/14/2025	23	1	758		323.8	Measured	0.041	Calculated	825.1	Measured	0.105	Calculated	393.3	Measured	0.05	Measured	7866.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		6/15/2025	0	1	758		308	Measured	0.039	Calculated	826.3	Measured	0.105	Calculated	393.9	Measured	0.05	Measured	7878.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	1	1	757		333.2	Measured	0.042	Calculated	828.2	Measured	0.105	Calculated	402.7	Measured	0.051	Measured	7896.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	2	1	758		367.5	Measured	0.047	Calculated	827.3	Measured	0.105	Calculated	402.3	Measured	0.051	Measured	7888.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	3	1	757		360.5	Measured	0.046	Calculated	829.8	Measured	0.105	Calculated	403.5	Measured	0.051	Measured	7912.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	4	1	757		404.6	Measured	0.051	Calculated	827.9	Measured	0.105	Calculated	394.7	Measured	0.05	Measured	7893.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	5	1	757		393.6	Measured	0.05	Calculated	826.3	Measured	0.105	Calculated	386.1	Measured	0.049	Measured	7879	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	6	1	758		373.9	Measured	0.047	Calculated	835	Measured	0.105	Calculated	366.2	Measured	0.046	Measured	7961.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	7	1	758		328.7	Measured	0.041	Calculated	834.3	Measured	0.105	Calculated	389.8	Measured	0.049	Measured	7955	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	8	1	758		333.1	Measured	0.042	Calculated	834.9	Measured	0.105	Calculated	374.1	Measured	0.047	Measured	7960.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	9	1	758		340.3	Measured	0.043	Calculated	837.7	Measured	0.105	Calculated	367.4	Measured	0.046	Measured	7986.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	10	1	759		342	Measured	0.043	Calculated	836.7	Measured	0.105	Calculated	390.9	Measured	0.049	Measured	7977.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	11	1	757		395.1	Measured	0.05	Calculated	829.4	Measured	0.105	Calculated	387.5	Measured	0.049	Measured	7908.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	12	1	758		481	Measured	0.06	Calculated	836.3	Measured	0.105	Calculated	398.7	Measured	0.05	Measured	7973.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	13	1	758		395	Measured	0.05	Calculated	829.3	Measured	0.105	Calculated	411.2	Measured	0.052	Measured	7906.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	14	1	757		491.5	Measured	0.062	Calculated	830	Measured	0.105	Calculated	324.4	Measured	0.041	Measured	7913.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	15	1	757		553.6	Measured	0.07	Calculated	828.6	Measured	0.105	Calculated	355.5	Measured	0.045	Measured	7900.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	16	1	757		350	Measured	0.044	Calculated	831.4	Measured	0.105	Calculated	356.7	Measured	0.045	Measured	7927.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	17	1	757		399.2	Measured	0.05	Calculated	832.2	Measured	0.105	Calculated	349.1	Measured	0.044	Measured	7934.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	18	1	758		314.5	Measured	0.04	Calculated	827.5	Measured	0.105	Calculated	370.8	Measured	0.047	Measured	7889.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	19	1	758		270.1	Measured	0.034	Calculated	829	Measured	0.105	Calculated	355.7	Measured	0.045	Measured	7904.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	20	1	758		311.7	Measured	0.039	Calculated	830.8	Measured	0.105	Calculated	356.4	Measured	0.045	Measured	7921	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	21	1	758		365.3	Measured	0.046	Calculated	831.6	Measured	0.105	Calculated	372.7	Measured	0.047	Measured	7928.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	22	1	758		354	Measured	0.045	Calculated	829	Measured	0.105	Calculated	371.5	Measured	0.047	Measured	7904.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/15/2025	23	1	757		376.2	Measured	0.048	Calculated	828.5	Measured	0.105	Calculated	371.3	Measured	0.047	Measured	7899.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	0	1	758		391.9	Measured	0.049	Calculated	831.3	Measured	0.105	Calculated	372.5	Measured	0.047	Measured	7925.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	1	1	758		357.5	Measured	0.045	Calculated	832.6	Measured	0.105	Calculated	381	Measured	0.048	Measured	7938.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	2	1	758		302.9	Measured	0.038	Calculated	836.4	Measured	0.105	Calculated	382.8	Measured	0.048	Measured	7974.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	3	1	757		389.1	Measured	0.049	Calculated	836.9	Measured	0.105	Calculated	375	Measured	0.047	Measured	7979.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	4	1	756		346	Measured	0.043	Calculated	836.6	Measured	0.105	Calculated	374.9	Measured	0.047	Measured	7976.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	5	1	757		351.6	Measured	0.044	Calculated	835.3	Measured	0.105	Calculated	366.4	Measured	0.046	Measured	7964.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	6	1	757		496.9	Measured	0.062	Calculated	835.6	Measured	0.105	Calculated	374.5	Measured	0.047	Measured	7967.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	7	1	758		716.5	Measured	0.09	Calculated	836.4	Measured	0.105	Calculated	366.8	Measured	0.046	Measured	7974.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	8	1	757		267.6	Measured	0.033	Calculated	841.6	Measured	0.105	Calculated	369.1	Measured	0.046	Measured	8024.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	9	1	757		308.1	Measured	0.038	Calculated	840.7	Measured	0.105	Calculated	360.7	Measured	0.045	Measured	8016.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	10	1	758		361.6	Measured	0.045	Calculated	841.9	Measured	0.105	Calculated	361.2	Measured	0.045	Measured	8027	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	11	1	757		325.1	Measured	0.04	Calculated	842.6	Measured	0.105	Calculated	369.6	Measured	0.046	Measured	8034.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	12	1	758		343.2	Measured	0.043	Calculated	841.7	Measured	0.105	Calculated	361.1	Measured	0.045	Measured	8025.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	13	1	758		380.4	Measured	0.047	Calculated	842.7	Measured	0.105	Calculated	385.7	Measured	0.048	Measured	8034.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	14	1	758		497	Measured	0.062	Calculated	842.8	Measured	0.105	Calculated	385.7	Measured	0.048	Measured	8035.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	15	1	757		447	Measured	0.056	Calculated	837.2	Measured	0.105	Calculated	375.2	Measured	0.047	Measured	7982.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	16	1	756		375.7	Measured	0.047	Calculated	841.4	Measured	0.105	Calculated	393.1	Measured	0.049	Measured	8022.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	17	1	757		401.4	Measured	0.05	Calculated	839.5	Measured	0.105	Calculated	392.2	Measured	0.049	Measured	8004.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	18	1	754		389.9	Measured	0.049	Calculated	834.2	Measured	0.105	Calculated	389.7	Measured	0.049	Measured	7953.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	19	1	754		367.5	Measured	0.046	Calculated	834.2	Measured	0.105	Calculated	397.7	Measured	0.05	Measured	7953.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	20	1	753		629.7	Measured	0.079	Calculated	831.7	Measured	0.105	Calculated	388.6	Measured	0.049	Measured	7929.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	21	1	754		506.3	Measured	0.063	Calculated	837.9	Measured	0.105	Calculated	383.5	Measured	0.048	Measured	7989	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	22	1	754		989	Measured	0.126	Calculated	823.5	Measured	0.105	Calculated	376.9	Measured	0.048	Measured	7851.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/16/2025	23	1	754		570.1	Measured	0.072	Calculated	835.9	Measured	0.105	Calculated	406.5	Measured	0.051	Measured	7970.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	0	1	754		467.6	Measured	0.059	Calculated	830.7	Measured	0.105	Calculated	380.2	Measured	0.048	Measured	7920.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	1	1	754		425.9	Measured	0.054	Calculated	825.6	Measured	0.105	Calculated	377.9	Measured	0.048	Measured	7872	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	2	1	754		469.3	Measured	0.06	Calculated	823.2	Measured	0.105	Calculated	368.9	Measured	0.047	Measured	7848.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	3	1	753		473	Measured	0.06	Calculated	822.6	Measured	0.105	Calculated	360.8	Measured	0.046	Measured	7843	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	4	1	752		476.6	Measured	0.06	Calculated	828.8	Measured	0.105	Calculated	355.6	Measured	0.045	Measured	7902.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	5	1	753		476.2	Measured	0.061	Calculated	821.1	Measured	0.105	Calculated	360.1	Measured	0.046	Measured	7828.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	6	1	754		379.2	Measured	0.048	Calculated	824.1	Measured	0.105	Calculated	322.2	Measured	0.041	Measured	7857.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	7	1	755		325.6	Measured	0.042	Calculated	819.3	Measured	0.105	Calculated	359.3	Measured	0.046	Measured	7811.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	8	1	754		414.9	Measured	0.053	Calculated	820	Measured	0.105	Calculated	351.8	Measured	0.045	Measured	7818.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	9	1	754		400.9	Measured	0.051	Calculated	820.4	Measured	0.105	Calculated	359.8	Measured	0.046	Measured	7822.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	10	1	754		370.8	Measured	0.047	Calculated	821	Measured	0.105	Calculated	352.3	Measured	0.045	Measured	7828.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	11	1	753		388.5	Measured	0.049	Calculated	826.8	Measured	0.105	Calculated	346.9	Measured	0.044	Measured	7883.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	12	1	754		409.3	Measured	0.052	Calculated	827.9	Measured	0.105	Calculated	347.3	Measured	0.044	Measured	7893.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	13	1	754		375	Measured	0.047	Calculated	828.2	Measured	0.105	Calculated	355.4	Measured	0.045	Measured	7896.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	14	1	754		494.6	Measured	0.063	Calculated	828.3	Measured	0.105	Calculated	363.3	Measured	0.046	Measured	7897.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	15	1	754		342.4	Measured	0.043	Calculated	827.8	Measured	0.105	Calculated	355.2	Measured	0.045	Measured	7892.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	16	1	754		342.9	Measured	0.043	Calculated	829.1	Measured	0.105	Calculated	355.7	Measured	0.045	Measured	7905.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	17	1	754		368.9	Measured	0.047	Calculated	828.3	Measured	0.105	Calculated	355.4	Measured	0.045	Measured	7897.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	18	1	755		368.2	Measured	0.047	Calculated	826.7	Measured	0.105	Calculated	378.4	Measured	0.048	Measured	7882.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	19	1	754		257.2	Measured	0.033	Calculated	820.7	Measured	0.105	Calculated	359.9	Measured	0.046	Measured	7824.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	20	1	754		271.2	Measured	0.034	Calculated	826.9	Measured	0.105	Calculated	370.6	Measured	0.047	Measured	7884.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	21	1	754		333.3	Measured	0.042	Calculated	830.3	Measured	0.105	Calculated	372.1	Measured	0.047	Measured	7916.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	22	1	753		298.8	Measured	0.038	Calculated	823.7	Measured	0.105	Calculated	400.5	Measured	0.051	Measured	7853.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/17/2025	23	1	617		74.8	Measured	0.011	Calculated	695.2	Measured	0.105	Calculated	464	Measured	0.07	Measured	6628.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	0	1	600		158.1	Measured	0.024	Calculated	692.7	Measured	0.105	Calculated	264.2	Measured	0.04	Measured	6604.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	1	1	599		179.8	Measured	0.027	Calculated	692.4	Measured	0.105	Calculated	231.1	Measured	0.035	Measured	6601.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	2	1	600		208.1	Measured	0.031	Calculated	695.7	Measured	0.105	Calculated	238.8	Measured	0.036	Measured	6633.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	3	1	599		212	Measured	0.032	Calculated	696.5	Measured	0.105	Calculated	252.3	Measured	0.038	Measured	6640.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	4	1	620		222.9	Measured	0.032	Calculated	720.4	Measured	0.105	Calculated	267.9	Measured	0.039	Measured	6868.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	5	1	675		277.4	Measured	0.038	Calculated	771.4	Measured	0.105	Calculated	331	Measured	0.045	Measured	7355.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	6	1	754		519	Measured	0.064	Calculated	848.6	Measured	0.105	Calculated	356	Measured	0.044	Measured	8091.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	7	1	756		336.7	Measured	0.042	Calculated	840.8	Measured	0.105	Calculated	360.7	Measured	0.045	Measured	8016.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	8	1	754		238.7	Measured	0.03	Calculated	833.5	Measured	0.105	Calculated	365.6	Measured	0.046	Measured	7947.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	9	1	755		520.8	Measured	0.066	Calculated	824.9	Measured	0.105	Calculated	361.8	Measured	0.046	Measured	7865.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	10	1	754		321.5	Measured	0.041	Calculated	824.4	Measured	0.105	Calculated	377.3	Measured	0.048	Measured	7860.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	11	1	754		412.9	Measured	0.053	Calculated	824.2	Measured	0.105	Calculated	392.9	Measured	0.05	Measured	7858.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	12	1	755		388.7	Measured	0.049	Calculated	824.6	Measured	0.105	Calculated	377.4	Measured	0.048	Measured	7862.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	13	1	754		455.1	Measured	0.058	Calculated	826.4	Measured	0.105	Calculated	362.5	Measured	0.046	Measured	7879.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	14	1	754		509.4	Measured	0.065	Calculated	819	Measured	0.105	Calculated	382.7	Measured	0.049	Measured	7809.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	15	1	754		373.6	Measured	0.048	Calculated	822.8	Measured	0.105	Calculated	392.2	Measured	0.05	Measured	7844.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	16	1	754		282	Measured	0.036	Calculated	828	Measured	0.105	Calculated	386.9	Measured	0.049	Measured	7895.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	17	1	754		366.1	Measured	0.047	Calculated	821.6	Measured	0.105	Calculated	376	Measured	0.048	Measured	7833.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	18	1	755		375.6	Measured	0.048	Calculated	820.2	Measured	0.105	Calculated	461.4	Measured	0.059	Measured	7820.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	19	1	754		427.5	Measured	0.055	Calculated	818.6	Measured	0.105	Calculated	437.1	Measured	0.056	Measured	7805.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	20	1	755		390.1	Measured	0.05	Calculated	822.1	Measured	0.105	Calculated	415.4	Measured	0.053	Measured	7838.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	21	1	755		406.5	Measured	0.051	Calculated	829	Measured	0.105	Calculated	450.6	Measured	0.057	Measured	7904.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	22	1	755		419.7	Measured	0.054	Calculated	819.5	Measured	0.105	Calculated	422	Measured	0.054	Measured	7814.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/18/2025	23	1	754		360.6	Measured	0.046	Calculated	820.8	Measured	0.105	Calculated	422.6	Measured	0.054	Measured	7826.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	0	1	755		371.6	Measured	0.047	Calculated	822.2	Measured	0.105	Calculated	399.8	Measured	0.051	Measured	7839.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	1	1	755		412.2	Measured	0.053	Calculated	820.9	Measured	0.105	Calculated	422.7	Measured	0.054	Measured	7827.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	2	1	754		409.7	Measured	0.052	Calculated	819.9	Measured	0.105	Calculated	390.9	Measured	0.05	Measured	7818	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	3	1	753		374.6	Measured	0.048	Calculated	819.9	Measured	0.105	Calculated	390.9	Measured	0.05	Measured	7817.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	4	1	754		375.5	Measured	0.048	Calculated	828.8	Measured	0.105	Calculated	395.1	Measured	0.05	Measured	7902.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	5	1	754		377.6	Measured	0.048	Calculated	829	Measured	0.105	Calculated	395.2	Measured	0.05	Measured	7904.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	6	1	754		387.5	Measured	0.049	Calculated	835.1	Measured	0.105	Calculated	390.2	Measured	0.049	Measured	7962.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	7	1	755		362.2	Measured	0.045	Calculated	840.8	Measured	0.105	Calculated	384.8	Measured	0.048	Measured	8017.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	8	1	753		405.2	Measured	0.05	Calculated	847.6	Measured	0.105	Calculated	387.9	Measured	0.048	Measured	8081.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	9	1	754		336.7	Measured	0.042	Calculated	839	Measured	0.105	Calculated	400	Measured	0.05	Measured	7999.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	10	1	756		335.5	Measured	0.042	Calculated	841.1	Measured	0.105	Calculated	368.9	Measured	0.046	Measured	8019.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	11	1	757		362.3	Measured	0.045	Calculated	841.1	Measured	0.105	Calculated	393	Measured	0.049	Measured	8019.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	12	1	757		374.9	Measured	0.047	Calculated	841.7	Measured	0.105	Calculated	385.2	Measured	0.048	Measured	8025.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	13	1	757		672.7	Measured	0.083	Calculated	845.1	Measured	0.105	Calculated	386.8	Measured	0.048	Measured	8058.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	14	1	757		596.1	Measured	0.075	Calculated	838.3	Measured	0.105	Calculated	383.7	Measured	0.048	Measured	7992.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	15	1	757		279.9	Measured	0.035	Calculated	848.1	Measured	0.105	Calculated	404.3	Measured	0.05	Measured	8086.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	16	1	757		356.5	Measured	0.044	Calculated	849.2	Measured	0.105	Calculated	388.6	Measured	0.048	Measured	8096.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	17	1	757		377	Measured	0.047	Calculated	841.8	Measured	0.105	Calculated	369.2	Measured	0.046	Measured	8026	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	18	1	757		373.4	Measured	0.046	Calculated	843.1	Measured	0.105	Calculated	377.8	Measured	0.047	Measured	8038.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	19	1	757		384.2	Measured	0.048	Calculated	844.1	Measured	0.105	Calculated	394.4	Measured	0.049	Measured	8048.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	20	1	757		409.6	Measured	0.05	Calculated	852.5	Measured	0.105	Calculated	382	Measured	0.047	Measured	8128.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	21	1	757		413.4	Measured	0.051	Calculated	851.7	Measured	0.105	Calculated	406.1	Measured	0.05	Measured	8121.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	22	1	757		392.9	Measured	0.048	Calculated	852.1	Measured	0.105	Calculated	381.8	Measured	0.047	Measured	8124.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/19/2025	23	1	757		363.9	Measured	0.045	Calculated	851.9	Measured	0.105	Calculated	430.5	Measured	0.053	Measured	8122.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	0	1	758		365.2	Measured	0.045	Calculated	850.1	Measured	0.105	Calculated	397.2	Measured	0.049	Measured	8105.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	1	1	758		396.4	Measured	0.049	Calculated	843.6	Measured	0.105	Calculated	410.2	Measured	0.051	Measured	8043.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	2	1	758		419.4	Measured	0.052	Calculated	844.3	Measured	0.105	Calculated	402.5	Measured	0.05	Measured	8049.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	3	1	758		387.6	Measured	0.048	Calculated	842.3	Measured	0.105	Calculated	393.5	Measured	0.049	Measured	8031.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	4	1	758		805.7	Measured	0.1	Calculated	842.6	Measured	0.105	Calculated	401.7	Measured	0.05	Measured	8033.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	5	1	758		622.9	Measured	0.078	Calculated	840	Measured	0.105	Calculated	384.5	Measured	0.048	Measured	8009.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	6	1	758		555.1	Measured	0.068	Calculated	851.1	Measured	0.105	Calculated	340.8	Measured	0.042	Measured	8114.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	7	1	758		302.3	Measured	0.037	Calculated	861.5	Measured	0.105	Calculated	394.3	Measured	0.048	Measured	8214.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	8	1	758		255.1	Measured	0.031	Calculated	862	Measured	0.105	Calculated	369.8	Measured	0.045	Measured	8218.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	9	1	758		294.5	Measured	0.036	Calculated	862.8	Measured	0.105	Calculated	394.9	Measured	0.048	Measured	8226.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	10	1	758		305.3	Measured	0.037	Calculated	857.1	Measured	0.105	Calculated	392.3	Measured	0.048	Measured	8172	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	11	1	757		277.9	Measured	0.034	Calculated	855.3	Measured	0.105	Calculated	375.1	Measured	0.046	Measured	8155.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	12	1	758		309.9	Measured	0.038	Calculated	851.2	Measured	0.105	Calculated	405.8	Measured	0.05	Measured	8116	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	13	1	759		299.3	Measured	0.037	Calculated	850.6	Measured	0.105	Calculated	381.2	Measured	0.047	Measured	8110.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	14	1	759		340.5	Measured	0.042	Calculated	850.3	Measured	0.105	Calculated	413.5	Measured	0.051	Measured	8106.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	15	1	757		476.2	Measured	0.059	Calculated	842.3	Measured	0.105	Calculated	369.4	Measured	0.046	Measured	8031.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	16	1	758		475	Measured	0.059	Calculated	847.6	Measured	0.105	Calculated	404.1	Measured	0.05	Measured	8081.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	17	1	759		407.9	Measured	0.05	Calculated	853.1	Measured	0.105	Calculated	382.3	Measured	0.047	Measured	8134	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	18	1	759		300.5	Measured	0.037	Calculated	854	Measured	0.105	Calculated	407.2	Measured	0.05	Measured	8143	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		6/20/2025	19	1	759		447.4	Measured	0.056	Calculated	842.5	Measured	0.105	Calculated	401.6	Measured	0.05	Measured	8032.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	20	1	757		794.8	Measured	0.099	Calculated	843.5	Measured	0.105	Calculated	394.1	Measured	0.049	Measured	8042.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	21	1	759		704.4	Measured	0.087	Calculated	851.2	Measured	0.105	Calculated	397.7	Measured	0.049	Measured	8115.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	22	1	758		422.7	Measured	0.052	Calculated	853.9	Measured	0.105	Calculated	382.6	Measured	0.047	Measured	8141.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/20/2025	23	1	758		278.6	Measured	0.034	Calculated	849.6	Measured	0.105	Calculated	380.8	Measured	0.047	Measured	8101.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	0	1	759		330.4	Measured	0.041	Calculated	849	Measured	0.105	Calculated	380.5	Measured	0.047	Measured	8095.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	1	1	759		363.8	Measured	0.045	Calculated	849.4	Measured	0.105	Calculated	364.4	Measured	0.045	Measured	8098.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	2	1	760		400.8	Measured	0.05	Calculated	848.5	Measured	0.105	Calculated	396.4	Measured	0.049	Measured	8090.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	3	1	759		415.3	Measured	0.051	Calculated	848.4	Measured	0.105	Calculated	388.3	Measured	0.048	Measured	8089.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	4	1	758		460.5	Measured	0.057	Calculated	840.5	Measured	0.105	Calculated	376.7	Measured	0.047	Measured	8013.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	5	1	758		399.7	Measured	0.05	Calculated	839.1	Measured	0.105	Calculated	376	Measured	0.047	Measured	8000.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	6	1	759		384.5	Measured	0.048	Calculated	837.5	Measured	0.105	Calculated	383.3	Measured	0.048	Measured	7985.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	7	1	758		385.4	Measured	0.048	Calculated	842.1	Measured	0.105	Calculated	377.4	Measured	0.047	Measured	8029.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	8	1	759		346.2	Measured	0.043	Calculated	847.1	Measured	0.105	Calculated	379.6	Measured	0.047	Measured	8076.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	9	1	759		459.1	Measured	0.057	Calculated	845	Measured	0.105	Calculated	370.6	Measured	0.046	Measured	8057	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	10	1	759		495.7	Measured	0.061	Calculated	847.5	Measured	0.105	Calculated	387.9	Measured	0.048	Measured	8081.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	11	1	757		527.9	Measured	0.065	Calculated	849.3	Measured	0.105	Calculated	380.6	Measured	0.047	Measured	8097.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	12	1	759		422.9	Measured	0.053	Calculated	840	Measured	0.105	Calculated	376.4	Measured	0.047	Measured	8009.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	13	1	759		371.7	Measured	0.047	Calculated	836.8	Measured	0.105	Calculated	375	Measured	0.047	Measured	7978.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	14	1	759		377.3	Measured	0.048	Calculated	830.8	Measured	0.105	Calculated	356.5	Measured	0.045	Measured	7921.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	15	1	759		824.8	Measured	0.104	Calculated	830.1	Measured	0.105	Calculated	364.1	Measured	0.046	Measured	7915.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	16	1	758		1042.8	Measured	0.133	Calculated	823.2	Measured	0.105	Calculated	376.7	Measured	0.048	Measured	7848.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	17	1	758		526.8	Measured	0.068	Calculated	818.5	Measured	0.105	Calculated	374.6	Measured	0.048	Measured	7803.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	18	1	759		572	Measured	0.073	Calculated	823	Measured	0.105	Calculated	361	Measured	0.046	Measured	7847.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	19	1	760		480.8	Measured	0.061	Calculated	829	Measured	0.105	Calculated	371.5	Measured	0.047	Measured	7904.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	20	1	758		477.9	Measured	0.06	Calculated	838.1	Measured	0.105	Calculated	367.6	Measured	0.046	Measured	7991.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	21	1	760		511	Measured	0.064	Calculated	841.9	Measured	0.105	Calculated	377.3	Measured	0.047	Measured	8027.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	22	1	759		585.9	Measured	0.073	Calculated	840	Measured	0.105	Calculated	392.5	Measured	0.049	Measured	8009.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/21/2025	23	1	758		781.7	Measured	0.099	Calculated	829.1	Measured	0.105	Calculated	379.4	Measured	0.048	Measured	7905.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	0	1	759		462.2	Measured	0.058	Calculated	836	Measured	0.105	Calculated	374.6	Measured	0.047	Measured	7970.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	1	1	760		409.1	Measured	0.051	Calculated	837.2	Measured	0.105	Calculated	383.2	Measured	0.048	Measured	7982.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	2	1	759		288.9	Measured	0.036	Calculated	843.1	Measured	0.105	Calculated	377.8	Measured	0.047	Measured	8038.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	3	1	759		516.6	Measured	0.064	Calculated	841.1	Measured	0.105	Calculated	376.9	Measured	0.047	Measured	8019.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	4	1	758		548.6	Measured	0.069	Calculated	839.6	Measured	0.105	Calculated	368.3	Measured	0.046	Measured	8005.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	5	1	758		354.1	Measured	0.044	Calculated	841.1	Measured	0.105	Calculated	376.9	Measured	0.047	Measured	8020	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	6	1	759		313.7	Measured	0.039	Calculated	850.5	Measured	0.105	Calculated	364.9	Measured	0.045	Measured	8108.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	7	1	760		348.2	Measured	0.043	Calculated	848.9	Measured	0.105	Calculated	380.4	Measured	0.047	Measured	8094.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	8	1	758		421.6	Measured	0.052	Calculated	847.5	Measured	0.105	Calculated	363.6	Measured	0.045	Measured	8080.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	9	1	759		527.6	Measured	0.065	Calculated	845.9	Measured	0.105	Calculated	363	Measured	0.045	Measured	8065.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	10	1	759		363.9	Measured	0.045	Calculated	851.9	Measured	0.105	Calculated	373.6	Measured	0.046	Measured	8122.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	11	1	758		404.7	Measured	0.05	Calculated	850.8	Measured	0.105	Calculated	381.3	Measured	0.047	Measured	8112.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	12	1	760		457.2	Measured	0.057	Calculated	845.4	Measured	0.105	Calculated	370.8	Measured	0.046	Measured	8060.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	13	1	760		401.7	Measured	0.05	Calculated	846	Measured	0.105	Calculated	387.2	Measured	0.048	Measured	8066.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	14	1	760		740.5	Measured	0.092	Calculated	845.2	Measured	0.105	Calculated	386.8	Measured	0.048	Measured	8058.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	15	1	759		521.6	Measured	0.065	Calculated	842.9	Measured	0.105	Calculated	385.8	Measured	0.048	Measured	8036.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	16	1	759		406.3	Measured	0.05	Calculated	845.5	Measured	0.105	Calculated	387	Measured	0.048	Measured	8061.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	17	1	758		396.4	Measured	0.049	Calculated	841.9	Measured	0.105	Calculated	385.3	Measured	0.048	Measured	8027	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	18	1	759		398.7	Measured	0.05	Calculated	842.4	Measured	0.105	Calculated	377.5	Measured	0.047	Measured	8032.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	19	1	759		356.7	Measured	0.044	Calculated	844.7	Measured	0.105	Calculated	378.5	Measured	0.047	Measured	8054.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	20	1	758		377.6	Measured	0.047	Calculated	845.5	Measured	0.105	Calculated	395	Measured	0.049	Measured	8061.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	21	1	758		415	Measured	0.051	Calculated	846.5	Measured	0.105	Calculated	379.3	Measured	0.047	Measured	8070.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	22	1	759		562.6	Measured	0.07	Calculated	846.1	Measured	0.105	Calculated	371.1	Measured	0.046	Measured	8067.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/22/2025	23	1	758		482.3	Measured	0.06	Calculated	849.2	Measured	0.105	Calculated	372.5	Measured	0.046	Measured	8097.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	0	1	760		453.7	Measured	0.056	Calculated	853.6	Measured	0.105	Calculated	398.8	Measured	0.049	Measured	8139.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	1	1	759		403.5	Measured	0.049	Calculated	857	Measured	0.105	Calculated	400.4	Measured	0.049	Measured	8171.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	2	1	760		499.6	Measured	0.062	Calculated	850.7	Measured	0.105	Calculated	381.2	Measured	0.047	Measured	8111.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	3	1	758		490.1	Measured	0.06	Calculated	855.5	Measured	0.105	Calculated	367.1	Measured	0.045	Measured	8157.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	4	1	712		320.2	Measured	0.041	Calculated	812.8	Measured	0.105	Calculated	271.2	Measured	0.035	Measured	7749.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	5	1	662		352.5	Measured	0.048	Calculated	776.2	Measured	0.105	Calculated	325.6	Measured	0.044	Measured	7401.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	6	1	754		651.5	Measured	0.08	Calculated	858.3	Measured	0.105	Calculated	368.3	Measured	0.045	Measured	8183.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	7	1	760		559.9	Measured	0.068	Calculated	858.4	Measured	0.105	Calculated	376.5	Measured	0.046	Measured	8184.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	8	1	759		390.2	Measured	0.05	Calculated	826.7	Measured	0.105	Calculated	378.4	Measured	0.048	Measured	7882.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	9	1	760		345.7	Measured	0.044	Calculated	822.3	Measured	0.105	Calculated	384.2	Measured	0.049	Measured	7840.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	10	1	760		295.7	Measured	0.038	Calculated	815.1	Measured	0.105	Calculated	388.6	Measured	0.05	Measured	7771.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	11	1	759		210.3	Measured	0.027	Calculated	815.2	Measured	0.105	Calculated	373.1	Measured	0.048	Measured	7772.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	12	1	760		266.5	Measured	0.034	Calculated	822.1	Measured	0.105	Calculated	368.4	Measured	0.047	Measured	7838.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	13	1	761		309.6	Measured	0.04	Calculated	820.5	Measured	0.105	Calculated	391.2	Measured	0.05	Measured	7823.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	14	1	760		375.7	Measured	0.049	Calculated	812.4	Measured	0.105	Calculated	395.1	Measured	0.051	Measured	7746.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	15	1	761		549.3	Measured	0.071	Calculated	812.3	Measured	0.105	Calculated	402.8	Measured	0.052	Measured	7745.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	16	1	760		344.2	Measured	0.044	Calculated	811.7	Measured	0.105	Calculated	479.8	Measured	0.062	Measured	7739.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	17	1	760		289.6	Measured	0.038	Calculated	809.6	Measured	0.105	Calculated	478.6	Measured	0.062	Measured	7719.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	18	1	761		326.8	Measured	0.043	Calculated	802.5	Measured	0.105	Calculated	489.7	Measured	0.064	Measured	7652.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	19	1	761		465.8	Measured	0.061	Calculated	803.3	Measured	0.105	Calculated	490.2	Measured	0.064	Measured	7659.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	20	1	760		397.8	Measured	0.052	Calculated	803.9	Measured	0.105	Calculated	490.6	Measured	0.064	Measured	7665	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	21	1	760		367.9	Measured	0.047	Calculated	813.5	Measured	0.105	Calculated	473.2	Measured	0.061	Measured	7756.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	22	1	761		388.9	Measured	0.05	Calculated	814	Measured	0.105	Calculated	457.9	Measured	0.059	Measured	7761.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/23/2025	23	1	760		373.4	Measured	0.048	Calculated	812	Measured	0.105	Calculated	441.3	Measured	0.057	Measured	7742.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	0	1	760		398.5	Measured	0.052	Calculated	805.4	Measured	0.105	Calculated	453.1	Measured	0.059	Measured	7679.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	1	1	760		418.2	Measured	0.054	Calculated	810.5	Measured	0.105	Calculated	432.7	Measured	0.056	Measured	7727.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	2	1	760		464.4	Measured	0.06	Calculated	811.5	Measured	0.105	Calculated	479.7	Measured	0.062	Measured	7737.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	3	1	760		485	Measured	0.063	Calculated	811.3	Measured	0.105	Calculated	487.3	Measured	0.063	Measured	7735.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	4	1	759		390.1	Measured	0.051	Calculated	805.2	Measured	0.105	Calculated	514.4	Measured	0.067	Measured	7677	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	5	1	760		406	Measured	0.053	Calculated	810.8	Measured	0.105	Calculated	502.5	Measured	0.065	Measured	7730.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	6	1	760		390.3	Measured	0.05	Calculated	819.8	Measured	0.105	Calculated	492.5	Measured	0.063	Measured	7816.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	7	1	760		346.6	Measured	0.044	Calculated	819.6	Measured	0.105	Calculated	507.9	Measured	0.065	Measured	7814.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	8	1	759		400.9	Measured	0.052	Calculated	816	Measured	0.105	Calculated	591.3	Measured	0.076	Measured	7780.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	9	1	759		275.7	Measured	0.035	Calculated	818.5	Measured	0.105	Calculated	741.4	Measured	0.095	Measured	7803.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	10	1	759		228.4	Measured	0.029	Calculated	812.7	Measured	0.105	Calculated	767.2	Measured	0.099	Measured	7749.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	11	1	759		278.5	Measured	0.036	Calculated	813.5	Measured	0.105	Calculated	527.4	Measured	0.068	Measured	7756.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	12	1	759		347.5	Measured	0.045	Calculated	814.4	Measured	0.105	Calculated	512.5	Measured	0.066	Measured	7765.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	13	1	759		368	Measured	0.047	Calculated	821	Measured	0.105	Calculated	477.5	Measured	0.061	Measured	7827.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	14	1	760		395.1	Measured	0.051	Calculated	814	Measured	0.105	Calculated	558.8	Measured	0.072	Measured	7761.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	15	1	758		515.9	Measured	0.067	Calculated	803.9	Measured	0.105	Calculated	536.6	Measured	0.07	Measured	7665.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	16	1	759		375.2	Measured	0.049	Calculated	797.1	Measured	0.105	Calculated	501.6	Measured	0.066	Measured	7600.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	17	1	759		372.1	Measured	0.049	Calculated	792.3	Measured	0.105	Calculated	521.3	Measured	0.069	Measured	7554.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	18	1	759		394.8	Measured	0.053	Calculated	784.8	Measured	0.105	Calculated	531.3	Measured	0.071	Measured	7483.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	19	1	759		433.1	Measured	0.058	Calculated	782.8	Measured	0.105	Calculated	485.1	Measured	0.065	Measured	7463.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	20	1	759		406.6	Measured	0.054	Calculated	783.6	Measured	0.105	Calculated	485.6	Measured	0.065	Measured	7471.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	21	1	760		367.5	Measured	0.049	Calculated	784.2	Measured	0.105	Calculated	486	Measured	0.065	Measured	7477.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	22	1	760		361.3	Measured	0.048	Calculated	784.3	Measured	0.105	Calculated	516	Measured	0.069	Measured	7478.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/24/2025	23	1	759		367.3	Measured	0.049	Calculated	790.9	Measured	0.105	Calculated	505.2	Measured	0.067	Measured	7540.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	0	1	759		389.3	Measured	0.052	Calculated	782.2	Measured	0.105	Calculated	477.3	Measured	0.064	Measured	7457.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	1	1	760		398.2	Measured	0.053	Calculated	790.4	Measured	0.105	Calculated	489.9	Measured	0.065	Measured	7536.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	2	1	760		405.5	Measured	0.054	Calculated	792.7	Measured	0.105	Calculated	513.9	Measured	0.068	Measured	7558	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	3	1	759		378.8	Measured	0.05	Calculated	789	Measured	0.105	Calculated	519.1	Measured	0.069	Measured	7523.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	4	1	759		371.8	Measured	0.05	Calculated	787.4	Measured	0.105	Calculated	480.5	Measured	0.064	Measured	7507.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	5	1	758		394.8	Measured	0.053	Calculated	787.8	Measured	0.105	Calculated	465.7	Measured	0.062	Measured	7511.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	6	1	760		395.8	Measured	0.052	Calculated	797	Measured	0.105	Calculated	501.5	Measured	0.066	Measured	7598.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	7	1	760		488.5	Measured	0.064	Calculated	796.1	Measured	0.105	Calculated	485.8	Measured	0.064	Measured	7590.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	8	1	760		361	Measured	0.047	Calculated	797.9	Measured	0.105	Calculated	509.7	Measured	0.067	Measured	7608.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	9	1	759		396.5	Measured	0.052	Calculated	798.3	Measured	0.105	Calculated	487.1	Measured	0.064	Measured	7611.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	10	1	759		399.9	Measured	0.053	Calculated	796.9	Measured	0.105	Calculated	463.5	Measured	0.061	Measured	7598.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	11	1	758		486.3	Measured	0.064	Calculated	799.2	Measured	0.105	Calculated	487.7	Measured	0.064	Measured	7619.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	12	1	760		458	Measured	0.06	Calculated	804.1	Measured	0.105	Calculated	475.4	Measured	0.062	Measured	7667.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	13	1	760		332.4	Measured	0.042	Calculated	827.5	Measured	0.105	Calculated	457.6	Measured	0.058	Measured	7890.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	14	1	759		402.5	Measured	0.051	Calculated	826.5	Measured	0.105	Calculated	449.2	Measured	0.057	Measured	7880.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	15	1	760		455.4	Measured	0.058	Calculated	828.3	Measured	0.105	Calculated	450.1	Measured	0.057	Measured	7897.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	16	1	759		355.5	Measured	0.045	Calculated	820.9	Measured	0.105	Calculated	477.5	Measured	0.061	Measured	7827.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	17	1	759		329.7	Measured	0.042	Calculated	816.8	Measured	0.105	Calculated	498.4	Measured	0.064	Measured	7788.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	18	1	759		347.3	Measured	0.045	Calculated	814	Measured	0.105	Calculated	481.2	Measured	0.062	Measured	7761	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	19	1	761		354.8	Measured	0.046	Calculated	816.9	Measured	0.105	Calculated	444	Measured	0.057	Measured	7788.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	20	1	759		423.8	Measured	0.054	Calculated	817.3	Measured	0.105	Calculated	452	Measured	0.058	Measured	7792.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	21	1	760		405.1	Measured	0.052	Calculated	817.3	Measured	0.105	Calculated	459.8	Measured	0.059	Measured	7793.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	22	1	760		365	Measured	0.047	Calculated	809.2	Measured	0.105	Calculated	486.1	Measured	0.063	Measured	7715.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/25/2025	23	1	760		347.8	Measured	0.045	Calculated	808.1	Measured	0.105	Calculated	454.6	Measured	0.059	Measured	7705.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	0	1	760		371.2	Measured	0.048	Calculated	809.2	Measured	0.105	Calculated	486.1	Measured	0.063	Measured	7715.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	1	1	760		377.9	Measured	0.049	Calculated	810.1	Measured	0.105	Calculated	486.6	Measured	0.063	Measured	7724.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	2	1	759		377.5	Measured	0.049	Calculated	802.2	Measured	0.105	Calculated	520.1	Measured	0.068	Measured	7648.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	3	1	759		394.6	Measured	0.051	Calculated	805.9	Measured	0.105	Calculated	522.5	Measured	0.068	Measured	7683.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	4	1	758		379.1	Measured	0.05	Calculated	801.2	Measured	0.105	Calculated	450.7	Measured	0.059	Measured	7638.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	5	1	758		365.1	Measured	0.047	Calculated	809.5	Measured	0.105	Calculated	424.5	Measured	0.055	Measured	7718.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	6	1	756		921.4	Measured and Substitut	0.118	Calculated	815.8	Measured	0.105	Calculated	404.5	Measured	0.052	Measured	7778.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	7	1	756		902.6	Measured and Substitut	0.117	Calculated	806.1	Measured	0.105	Calculated	538	Measured	0.07	Measured	7686.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	8	1	756		1436.2	Measured	0.187	Calculated	804.7	Measured	0.105	Calculated	437.3	Measured	0.057	Measured	7672.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	9	1	756		1014	Measured	0.133	Calculated	801.4	Measured	0.105	Calculated	366.8	Measured	0.048	Measured	7640.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	10	1	756		444.8	Measured	0.057	Calculated	813.2	Measured	0.105	Calculated	1426.7	Measured	0.184	Measured	7753.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	11	1	756		454.2	Measured	0.059	Calculated	808.1	Measured	0.105	Calculated	1772.1	Measured	0.23	Measured	7704.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	12	1	758		410.3	Measured	0.053	Calculated	814.3	Measured	0.105	Calculated	551.2	Measured	0.071	Measured	7763.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	13	1	759		390.8	Measured	0.05	Calculated	816.4	Measured	0.105	Calculated	381.4	Measured	0.049	Measured	7784.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		6/26/2025	14	1	760		398.2	Measured	0.051	Calculated	814.6	Measured	0.105	Calculated	388.4	Measured	0.05	Measured	7767.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	15	1	759		393.3	Measured	0.05	Calculated	817.4	Measured	0.105	Calculated	436.5	Measured	0.056	Measured	7794	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	16	1	760		365.6	Measured	0.047	Calculated	815.7	Measured	0.105	Calculated	505.5	Measured	0.065	Measured	7777	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	17	1	757		359.6	Measured	0.046	Calculated	811.4	Measured	0.105	Calculated	518.3	Measured	0.067	Measured	7736.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	18	1	756		316.2	Measured	0.041	Calculated	803.8	Measured	0.105	Calculated	659.1	Measured	0.086	Measured	7664	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	19	1	757		332.8	Measured	0.043	Calculated	811.1	Measured	0.105	Calculated	788.9	Measured	0.102	Measured	7734.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	20	1	760		378.7	Measured	0.049	Calculated	810.1	Measured	0.105	Calculated	818.8	Measured	0.106	Measured	7724.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	21	1	760		396.1	Measured	0.051	Calculated	811.8	Measured	0.105	Calculated	797.2	Measured	0.103	Measured	7740.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	22	1	760		384.4	Measured	0.05	Calculated	813.4	Measured	0.105	Calculated	527.4	Measured	0.068	Measured	7755.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/26/2025	23	1	759		377.2	Measured	0.048	Calculated	818.5	Measured	0.105	Calculated	429.2	Measured	0.055	Measured	7803.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	0	1	760		409.2	Measured	0.053	Calculated	813	Measured	0.105	Calculated	426.4	Measured	0.055	Measured	7752.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	1	1	760		405.2	Measured	0.053	Calculated	806.3	Measured	0.105	Calculated	453.6	Measured	0.059	Measured	7688.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	2	1	760		367.5	Measured	0.048	Calculated	805.6	Measured	0.105	Calculated	430.2	Measured	0.056	Measured	7681.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	3	1	759		358.7	Measured	0.047	Calculated	804.6	Measured	0.105	Calculated	421.9	Measured	0.055	Measured	7671.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	4	1	759		359.8	Measured	0.047	Calculated	806.9	Measured	0.105	Calculated	430.8	Measured	0.056	Measured	7693.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	5	1	759		366.6	Measured	0.047	Calculated	815.3	Measured	0.105	Calculated	855.1	Measured	0.11	Measured	7773.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	6	1	760		413.3	Measured	0.053	Calculated	813	Measured	0.105	Calculated	472.9	Measured	0.061	Measured	7752.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	7	1	760		752.4	Measured	0.097	Calculated	811.8	Measured	0.105	Calculated	410.2	Measured	0.053	Measured	7740.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	8	1	759		392	Measured	0.05	Calculated	814.8	Measured	0.105	Calculated	404	Measured	0.052	Measured	7768.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	9	1	760		376.6	Measured	0.048	Calculated	817.1	Measured	0.105	Calculated	405.1	Measured	0.052	Measured	7790.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	10	1	760		394.1	Measured	0.05	Calculated	819.1	Measured	0.105	Calculated	421.8	Measured	0.054	Measured	7810.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	11	1	760		380.2	Measured	0.048	Calculated	823.1	Measured	0.105	Calculated	423.8	Measured	0.054	Measured	7848.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	12	1	760		472.4	Measured	0.06	Calculated	825.3	Measured	0.105	Calculated	385.6	Measured	0.049	Measured	7869	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	13	1	760		360.2	Measured	0.046	Calculated	817.4	Measured	0.105	Calculated	413.1	Measured	0.053	Measured	7793.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	14	1	760		382.2	Measured	0.049	Calculated	815.7	Measured	0.105	Calculated	404.4	Measured	0.052	Measured	7777.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	15	1	760		380.4	Measured	0.049	Calculated	816.3	Measured	0.105	Calculated	412.5	Measured	0.053	Measured	7783.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	16	1	759		353.2	Measured	0.046	Calculated	808.4	Measured	0.105	Calculated	439.4	Measured	0.057	Measured	7708.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	17	1	759		375.3	Measured	0.049	Calculated	807.2	Measured	0.105	Calculated	469.5	Measured	0.061	Measured	7696.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	18	1	760		388.8	Measured	0.05	Calculated	809.6	Measured	0.105	Calculated	470.9	Measured	0.061	Measured	7718.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	19	1	761		346.1	Measured	0.045	Calculated	811.3	Measured	0.105	Calculated	433.2	Measured	0.056	Measured	7735.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	20	1	760		358.5	Measured	0.046	Calculated	811.1	Measured	0.105	Calculated	456.3	Measured	0.059	Measured	7733.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	21	1	760		336.9	Measured	0.044	Calculated	809.1	Measured	0.105	Calculated	455.1	Measured	0.059	Measured	7714.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	22	1	760		340.4	Measured	0.044	Calculated	807.6	Measured	0.105	Calculated	500.5	Measured	0.065	Measured	7700.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/27/2025	23	1	759		327.4	Measured	0.043	Calculated	806.1	Measured	0.105	Calculated	476.5	Measured	0.062	Measured	7685.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	0	1	760		364.7	Measured	0.047	Calculated	806.6	Measured	0.105	Calculated	476.9	Measured	0.062	Measured	7691.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	1	1	760		353.3	Measured	0.046	Calculated	804.2	Measured	0.105	Calculated	444.7	Measured	0.058	Measured	7667.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	2	1	760		406.6	Measured	0.053	Calculated	803.8	Measured	0.105	Calculated	429.2	Measured	0.056	Measured	7664.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	3	1	759		394.4	Measured	0.051	Calculated	804.2	Measured	0.105	Calculated	414	Measured	0.054	Measured	7667.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	4	1	759		349.7	Measured	0.046	Calculated	805.2	Measured	0.105	Calculated	437.6	Measured	0.057	Measured	7677.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	5	1	758		361.5	Measured	0.047	Calculated	804.1	Measured	0.105	Calculated	429.3	Measured	0.056	Measured	7666.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	6	1	758		363.7	Measured	0.047	Calculated	804.3	Measured	0.105	Calculated	444.8	Measured	0.058	Measured	7669	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	7	1	759		485.1	Measured	0.062	Calculated	815.3	Measured	0.105	Calculated	443.1	Measured	0.057	Measured	7773.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	8	1	759		921	Measured	0.119	Calculated	809.7	Measured	0.105	Calculated	440.1	Measured	0.057	Measured	7720.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	9	1	759		925.4	Measured	0.12	Calculated	811.7	Measured	0.105	Calculated	456.6	Measured	0.059	Measured	7739.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	10	1	758		1180.9	Measured	0.155	Calculated	800	Measured	0.105	Calculated	472.9	Measured	0.062	Measured	7628.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	11	1	757		1194.3	Measured	0.158	Calculated	791.6	Measured	0.105	Calculated	445.3	Measured	0.059	Measured	7547.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	12	1	758		1218.9	Measured	0.161	Calculated	794.6	Measured	0.105	Calculated	439.4	Measured	0.058	Measured	7576.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	13	1	759		1206.5	Measured	0.159	Calculated	795.6	Measured	0.105	Calculated	485.5	Measured	0.064	Measured	7586.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	14	1	758		1313.4	Measured	0.174	Calculated	792.7	Measured	0.105	Calculated	438.4	Measured	0.058	Measured	7557.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	15	1	757		1158.6	Measured	0.154	Calculated	791.6	Measured	0.105	Calculated	422.7	Measured	0.056	Measured	7547.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	16	1	758		1034.5	Measured	0.137	Calculated	794	Measured	0.105	Calculated	439.1	Measured	0.058	Measured	7570.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	17	1	758		1014.4	Measured	0.134	Calculated	791.6	Measured	0.105	Calculated	445.3	Measured	0.059	Measured	7547.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	18	1	759		950.1	Measured	0.126	Calculated	793.2	Measured	0.105	Calculated	499.1	Measured	0.066	Measured	7562.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	19	1	758		928.9	Measured	0.121	Calculated	804.3	Measured	0.105	Calculated	552.2	Measured	0.072	Measured	7668.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	20	1	757		961.1	Measured	0.126	Calculated	797.6	Measured	0.105	Calculated	532.3	Measured	0.07	Measured	7604.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	21	1	758		944.1	Measured	0.124	Calculated	800.1	Measured	0.105	Calculated	564.5	Measured	0.074	Measured	7628.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	22	1	758		969.4	Measured	0.127	Calculated	801.1	Measured	0.105	Calculated	481.2	Measured	0.063	Measured	7637.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/28/2025	23	1	758		1027	Measured	0.135	Calculated	799	Measured	0.105	Calculated	441.8	Measured	0.058	Measured	7618	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	0	1	758		1042.9	Measured	0.137	Calculated	798.8	Measured	0.105	Calculated	411.3	Measured	0.054	Measured	7616.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	1	1	759		1024.7	Measured	0.135	Calculated	797.2	Measured	0.105	Calculated	425.6	Measured	0.056	Measured	7600.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	2	1	758		1046.6	Measured	0.139	Calculated	791.8	Measured	0.105	Calculated	460.5	Measured	0.061	Measured	7549.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	3	1	759		1110.2	Measured	0.147	Calculated	792.8	Measured	0.105	Calculated	446	Measured	0.059	Measured	7558.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	4	1	759		995.7	Measured	0.131	Calculated	794.3	Measured	0.105	Calculated	590.7	Measured	0.078	Measured	7573.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	5	1	758		1013.4	Measured	0.135	Calculated	787.1	Measured	0.105	Calculated	667.9	Measured	0.089	Measured	7504.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	6	1	759		1084.7	Measured	0.144	Calculated	790.2	Measured	0.105	Calculated	625.4	Measured	0.083	Measured	7534.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	7	1	758		1040.7	Measured	0.135	Calculated	805.6	Measured	0.105	Calculated	645.2	Measured	0.084	Measured	7680.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	8	1	758		1041.1	Measured	0.135	Calculated	807.4	Measured	0.105	Calculated	654.4	Measured	0.085	Measured	7698.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	9	1	760		1136.5	Measured	0.148	Calculated	806.7	Measured	0.105	Calculated	584.6	Measured	0.076	Measured	7691.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	10	1	748		1167.6	Measured	0.155	Calculated	790.9	Measured	0.105	Calculated	482.6	Measured	0.064	Measured	7540.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	11	1	748		1154.6	Measured	0.153	Calculated	791.5	Measured	0.105	Calculated	309.4	Measured	0.041	Measured	7547	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	12	1	760		1199.1	Measured	0.157	Calculated	798.7	Measured	0.105	Calculated	373.1	Measured	0.049	Measured	7615.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	13	1	760		1212.1	Measured	0.16	Calculated	795.4	Measured	0.105	Calculated	371.6	Measured	0.049	Measured	7583.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	14	1	760		1219.7	Measured	0.161	Calculated	793.9	Measured	0.105	Calculated	401.2	Measured	0.053	Measured	7569.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	15	1	759		1217.8	Measured	0.161	Calculated	792.6	Measured	0.105	Calculated	377.9	Measured	0.05	Measured	7557	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	16	1	758		1172.6	Measured	0.157	Calculated	784.8	Measured	0.105	Calculated	434	Measured	0.058	Measured	7483	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	17	1	760		1164.2	Measured	0.157	Calculated	779	Measured	0.105	Calculated	497.6	Measured	0.067	Measured	7427.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	18	1	761		1174	Measured	0.159	Calculated	776.3	Measured	0.105	Calculated	510.7	Measured	0.069	Measured	7401.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	19	1	760		1175.3	Measured	0.157	Calculated	782.7	Measured	0.105	Calculated	470.1	Measured	0.063	Measured	7462.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	20	1	760		1180.1	Measured	0.157	Calculated	785.8	Measured	0.105	Calculated	427.1	Measured	0.057	Measured	7492.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	21	1	760		1151	Measured	0.153	Calculated	789	Measured	0.105	Calculated	458.9	Measured	0.061	Measured	7523.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	22	1	761		1076.7	Measured	0.143	Calculated	787.4	Measured	0.105	Calculated	465.5	Measured	0.062	Measured	7507.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/29/2025	23	1	617		686.7	Measured	0.11	Calculated	655.7	Measured	0.105	Calculated	468.9	Measured	0.075	Measured	6251.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	0	1	602		688.9	Measured	0.109	Calculated	662.1	Measured	0.105	Calculated	656.5	Measured	0.104	Measured	6312.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	1	1	603		725.1	Measured	0.114	Calculated	666.3	Measured	0.105	Calculated	311.3	Measured	0.049	Measured	6353.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	2	1	603		730.9	Measured	0.114	Calculated	670	Measured	0.105	Calculated	351.4	Measured	0.055	Measured	6388.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	3	1	602		773.1	Measured	0.121	Calculated	669.8	Measured	0.105	Calculated	364	Measured	0.057	Measured	6386	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	4	1	623		932.8	Measured	0.143	Calculated	685.4	Measured	0.105	Calculated	346.4	Measured	0.053	Measured	6535.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	5	1	743		1217.3	Measured	0.161	Calculated	790.6	Measured	0.105	Calculated	459.8	Measured	0.061	Measured	7537.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	6	1	759		1097.2	Measured	0.143	Calculated	807.3	Measured	0.105	Calculated	392.6	Measured	0.051	Measured	7697.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	7	1	760		1033.8	Measured	0.134	Calculated	811.2	Measured	0.105	Calculated	402.2	Measured	0.052	Measured	7734.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	8	1	759		1165	Measured	0.151	Calculated	808.3	Measured	0.105	Calculated	447	Measured	0.058	Measured	7707.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	9	1	760		1238.7	Measured	0.16	Calculated	809.5	Measured	0.105	Calculated	447.7	Measured	0.058	Measured	7718.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	10	1	759		1218.6	Measured	0.158	Calculated	808.1	Measured	0.105	Calculated	416.1	Measured	0.054	Measured	7705.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	11	1	758		295.6	Measured	0.038	Calculated	813.3	Measured	0.105	Calculated	426.5	Measured	0.055	Measured	7754.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	12	1	760		180.5	Measured	0.023	Calculated	817	Measured	0.105	Calculated	444	Measured	0.057	Measured	7789.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	13	1	760		189.3	Measured	0.024	Calculated	819.5	Measured	0.105	Calculated	461	Measured	0.059	Measured	7813.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	14	1	760		331.6	Measured	0.042	Calculated	820.5	Measured	0.105	Calculated	492.8	Measured	0.063	Measured	7822.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	15	1	759		312.5	Measured	0.04	Calculated	820.6	Measured	0.105	Calculated	446	Measured	0.057	Measured	7824.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	16	1	759		124	Measured	0.016	Calculated	823	Measured	0.105	Calculated	455.1	Measured	0.058	Measured	7847.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	17	1	759		149.6	Measured	0.019	Calculated	827.8	Measured	0.105	Calculated	481.5	Measured	0.061	Measured	7892.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	18	1	760		228.7	Measured	0.029	Calculated	821	Measured	0.105	Calculated	493.2	Measured	0.063	Measured	7828.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	19	1	760		191.4	Measured	0.024	Calculated	828.7	Measured	0.105	Calculated	442.5	Measured	0.056	Measured	7901.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	20	1	760		139.3	Measured	0.018	Calculated	821.1	Measured	0.105	Calculated	446.3	Measured	0.057	Measured	7829.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	21	1	760		162.5	Measured	0.021	Calculated	822.7	Measured	0.105	Calculated	455	Measured	0.058	Measured	7844.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	22	1	761		175	Measured	0.022	Calculated	822.9	Measured	0.105	Calculated	478.6	Measured	0.061	Measured	7846	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/30/2025	23	1	759		170.1	Measured	0.022	Calculated	819.3	Measured	0.105	Calculated	476.5	Measured	0.061	Measured	7812.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	0	1	760		177.9	Measured	0.023	Calculated	812.1	Measured	0.105	Calculated	526.6	Measured	0.068	Measured	7743.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	1	1	761		193.3	Measured	0.025	Calculated	815.1	Measured	0.105	Calculated	544	Measured	0.07	Measured	7771.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	2	1	761		239.1	Measured	0.031	Calculated	813.9	Measured	0.105	Calculated	527.7	Measured	0.068	Measured	7760.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	3	1	759		554.9	Measured	0.071	Calculated	816.6	Measured	0.105	Calculated	482.8	Measured	0.062	Measured	7786.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	4	1	758		379.2	Measured	0.049	Calculated	815.7	Measured	0.105	Calculated	458.8	Measured	0.059	Measured	7777.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	5	1	759		260.6	Measured	0.033	Calculated	816	Measured	0.105	Calculated	451.2	Measured	0.058	Measured	7780.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	6	1	760		257.8	Measured	0.033	Calculated	820.9	Measured	0.105	Calculated	438.3	Measured	0.056	Measured	7827.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	7	1	761		295.8	Measured	0.038	Calculated	822.5	Measured	0.105	Calculated	478.4	Measured	0.061	Measured	7842.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	8	1	760		443.7	Measured	0.057	Calculated	818.8	Measured	0.105	Calculated	476.2	Measured	0.061	Measured	7806.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	9	1	759		475.6	Measured	0.061	Calculated	820.1	Measured	0.105	Calculated	477	Measured	0.061	Measured	7819.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	10	1	761		450.4	Measured	0.057	Calculated	823.5	Measured	0.105	Calculated	447.5	Measured	0.057	Measured	7851.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	11	1	760		366.4	Measured	0.047	Calculated	814.9	Measured	0.105	Calculated	481.7	Measured	0.062	Measured	7770	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	12	1	761		360.7	Measured	0.046	Calculated	816.2	Measured	0.105	Calculated	490.3	Measured	0.063	Measured	7782.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	13	1	760		375.8	Measured	0.049	Calculated	810.1	Measured	0.105	Calculated	448	Measured	0.058	Measured	7724	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	14	1	761		506	Measured	0.066	Calculated	808	Measured	0.105	Calculated	439.1	Measured	0.057	Measured	7704	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	15	1	759		775.8	Measured	0.101	Calculated	807.6	Measured	0.105	Calculated	415.8	Measured	0.054	Measured	7700.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	16	1	760		631.8	Measured	0.082	Calculated	812.7	Measured	0.105	Calculated	449.4	Measured	0.058	Measured	7748.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	17	1	759		452.2	Measured	0.058	Calculated	819	Measured	0.105	Calculated	460.8	Measured	0.059	Measured	7809.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	18	1	760		617.2	Measured	0.08	Calculated	808.1	Measured	0.105	Calculated	439.2	Measured	0.057	Measured	7704.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	19	1	761		451.6	Measured	0.059	Calculated	807.4	Measured	0.105	Calculated	438.8	Measured	0.057	Measured	7698.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	20	1	759		396.5	Measured	0.052	Calculated	802.6	Measured	0.105	Calculated	466.8	Measured	0.061	Measured	7652.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	21	1	760		440.9	Measured	0.058	Calculated	803.7	Measured	0.105	Calculated	490.4	Measured	0.064	Measured	7662.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	22	1	760		367.6	Measured	0.048	Calculated	798.7	Measured	0.105	Calculated	434.1	Measured	0.057	Measured	7615.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/1/2025	23	1	759		364.7	Measured	0.047	Calculated	806.6	Measured	0.105	Calculated	392.2	Measured	0.051	Measured	7690.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	0	1	759		394.5	Measured	0.051	Calculated	804.2	Measured	0.105	Calculated	406.4	Measured	0.053	Measured	7667.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	1	1	761		379.5	Measured	0.049	Calculated	807.3	Measured	0.105	Calculated	423.4	Measured	0.055	Measured	7697.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	2	1	759		380.7	Measured	0.049	Calculated	812.5	Measured	0.105	Calculated	426.1	Measured	0.055	Measured	7746.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	3	1	759		782.5	Measured	0.102	Calculated	802.6	Measured	0.105	Calculated	413.2	Measured	0.054	Measured	7652.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	4	1	758		614.3	Measured	0.08	Calculated	804.8	Measured	0.105	Calculated	414.4	Measured	0.054	Measured	7674	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	5	1	758		372.8	Measured	0.048	Calculated	807	Measured	0.105	Calculated	446.3	Measured	0.058	Measured	7694.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	6	1	758		624.1	Measured	0.081	Calculated	809.7	Measured	0.105	Calculated	424.6	Measured	0.055	Measured	7720.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	7	1	759		531.4	Measured	0.069	Calculated	804.8	Measured	0.105	Calculated	414.3	Measured	0.054	Measured	7673.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	8	1	759		353.3	Measured	0.046	Calculated	801.7	Measured	0.105	Calculated	405.2	Measured	0.053	Measured	7644.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		7/2/2025	9	1	759		497	Measured	0.065	Calculated	804.8	Measured	0.105	Calculated	414.4	Measured	0.054	Measured	7673.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	10	1	759		344.4	Measured	0.045	Calculated	806.9	Measured	0.105	Calculated	446.2	Measured	0.058	Measured	7693.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	11	1	757		267.2	Measured	0.035	Calculated	806.3	Measured	0.105	Calculated	438.2	Measured	0.057	Measured	7687.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	12	1	741		305.2	Measured	0.041	Calculated	780.9	Measured	0.105	Calculated	394.6	Measured	0.053	Measured	7445.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	13	1	637		181.6	Measured	0.027	Calculated	698.5	Measured	0.105	Calculated	239.8	Measured	0.036	Measured	6659.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	14	1	633		181.6	Measured	0.027	Calculated	704.6	Measured	0.105	Calculated	295.6	Measured	0.044	Measured	6718.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	15	1	632		112.6	Measured	0.017	Calculated	710.2	Measured	0.105	Calculated	304.7	Measured	0.045	Measured	6771.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	16	1	634		266.5	Measured	0.039	Calculated	716.8	Measured	0.105	Calculated	307.5	Measured	0.045	Measured	6834.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	17	1	634		393.1	Measured	0.058	Calculated	716.6	Measured	0.105	Calculated	300.6	Measured	0.044	Measured	6832.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	18	1	636		343.6	Measured	0.05	Calculated	718.1	Measured	0.105	Calculated	308.1	Measured	0.045	Measured	6847	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	19	1	635		408.9	Measured	0.06	Calculated	718.1	Measured	0.105	Calculated	321.8	Measured	0.047	Measured	6846.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	20	1	634		464.6	Measured	0.067	Calculated	724	Measured	0.105	Calculated	324.5	Measured	0.047	Measured	6903.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	21	1	635		281.2	Measured	0.04	Calculated	730.7	Measured	0.105	Calculated	341.4	Measured	0.049	Measured	6966.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	22	1	635		304.1	Measured	0.043	Calculated	737.5	Measured	0.105	Calculated	330.5	Measured	0.047	Measured	7031.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/2/2025	23	1	634		273	Measured	0.039	Calculated	740.7	Measured	0.105	Calculated	331.9	Measured	0.047	Measured	7062.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	0	1	636		215.6	Measured	0.031	Calculated	733.9	Measured	0.105	Calculated	321.9	Measured	0.046	Measured	6997.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	1	1	635		190.2	Measured	0.027	Calculated	731.5	Measured	0.105	Calculated	320.9	Measured	0.046	Measured	6975	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	2	1	635		250.8	Measured	0.036	Calculated	730.6	Measured	0.105	Calculated	271.7	Measured	0.039	Measured	6966.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	3	1	635		167.3	Measured	0.024	Calculated	731.3	Measured	0.105	Calculated	292.9	Measured	0.042	Measured	6972.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	4	1	635		124.3	Measured	0.018	Calculated	735.4	Measured	0.105	Calculated	308.5	Measured	0.044	Measured	7011.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	5	1	635		120.7	Measured	0.017	Calculated	730.5	Measured	0.105	Calculated	327.4	Measured	0.047	Measured	6965.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	6	1	653		165	Measured	0.023	Calculated	760	Measured	0.105	Calculated	340.6	Measured	0.047	Measured	7246.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	7	1	747		281.6	Measured	0.035	Calculated	838.8	Measured	0.105	Calculated	511.9	Measured	0.064	Measured	7998.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	8	1	756		379.1	Measured	0.047	Calculated	839.4	Measured	0.105	Calculated	520.2	Measured	0.065	Measured	8003.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	9	1	757		350.5	Measured	0.044	Calculated	828.2	Measured	0.105	Calculated	552.8	Measured	0.07	Measured	7897.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	10	1	757		252.8	Measured	0.032	Calculated	825.5	Measured	0.105	Calculated	582.4	Measured	0.074	Measured	7870.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	11	1	755		316	Measured	0.041	Calculated	815.5	Measured	0.105	Calculated	513.2	Measured	0.066	Measured	7775.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	12	1	756		316.9	Measured	0.041	Calculated	817.8	Measured	0.105	Calculated	491.2	Measured	0.063	Measured	7797.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	13	1	757		309.2	Measured	0.039	Calculated	826.6	Measured	0.105	Calculated	512.3	Measured	0.065	Measured	7880.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	14	1	758		303	Measured	0.038	Calculated	826.6	Measured	0.105	Calculated	512.3	Measured	0.065	Measured	7881.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	15	1	757		317.7	Measured	0.04	Calculated	827.1	Measured	0.105	Calculated	512.6	Measured	0.065	Measured	7886	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	16	1	755		324.9	Measured	0.041	Calculated	824.3	Measured	0.105	Calculated	487.3	Measured	0.062	Measured	7859.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	17	1	756		365.4	Measured	0.046	Calculated	827.1	Measured	0.105	Calculated	488.9	Measured	0.062	Measured	7885.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	18	1	757		369.9	Measured	0.046	Calculated	834.8	Measured	0.105	Calculated	517.4	Measured	0.065	Measured	7959.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	19	1	758		369.4	Measured	0.047	Calculated	826.7	Measured	0.105	Calculated	1875.9	Measured	0.238	Measured	7882.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	20	1	756		431	Measured	0.055	Calculated	818.2	Measured	0.105	Calculated	2238.9	Measured	0.287	Measured	7801.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	21	1	756		472	Measured	0.06	Calculated	821.1	Measured	0.105	Calculated	2301.8	Measured	0.294	Measured	7829.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	22	1	757		419.4	Measured	0.053	Calculated	827	Measured	0.105	Calculated	2247.3	Measured	0.285	Measured	7885.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/3/2025	23	1	756		365.5	Measured	0.046	Calculated	827.2	Measured	0.105	Calculated	1900.8	Measured	0.241	Measured	7887	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	0	1	757		370.3	Measured	0.047	Calculated	828.6	Measured	0.105	Calculated	979.6	Measured	0.124	Measured	7900.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	1	1	756		402.6	Measured	0.051	Calculated	822.3	Measured	0.105	Calculated	478.3	Measured	0.061	Measured	7840.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	2	1	757		393.7	Measured	0.05	Calculated	825.3	Measured	0.105	Calculated	401.3	Measured	0.051	Measured	7869	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	3	1	756		406.1	Measured	0.051	Calculated	832.4	Measured	0.105	Calculated	428.6	Measured	0.054	Measured	7936.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	4	1	756		470.3	Measured	0.059	Calculated	835.8	Measured	0.105	Calculated	430.3	Measured	0.054	Measured	7969.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	5	1	755		466.5	Measured	0.059	Calculated	825.6	Measured	0.105	Calculated	385.7	Measured	0.049	Measured	7871.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	6	1	756		372.1	Measured	0.047	Calculated	833	Measured	0.105	Calculated	381.2	Measured	0.048	Measured	7942.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	7	1	756		356.6	Measured	0.044	Calculated	842.3	Measured	0.105	Calculated	401.5	Measured	0.05	Measured	8030.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	8	1	755		566.8	Measured	0.071	Calculated	842.2	Measured	0.105	Calculated	441.6	Measured	0.055	Measured	8029.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	9	1	756		388.2	Measured	0.048	Calculated	848.2	Measured	0.105	Calculated	452.9	Measured	0.056	Measured	8087	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	10	1	756		394.3	Measured	0.049	Calculated	836.4	Measured	0.105	Calculated	422.7	Measured	0.053	Measured	7974.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	11	1	755		395.4	Measured	0.049	Calculated	838.8	Measured	0.105	Calculated	399.9	Measured	0.05	Measured	7997.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	12	1	756		365.8	Measured	0.046	Calculated	835	Measured	0.105	Calculated	437.9	Measured	0.055	Measured	7961.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	13	1	757		387	Measured	0.049	Calculated	835.8	Measured	0.105	Calculated	454.2	Measured	0.057	Measured	7969	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	14	1	756		402.2	Measured	0.05	Calculated	839.9	Measured	0.105	Calculated	448.5	Measured	0.056	Measured	8008.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	15	1	756		422.4	Measured	0.053	Calculated	831.9	Measured	0.105	Calculated	460	Measured	0.058	Measured	7931.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	16	1	756		399	Measured	0.05	Calculated	830.7	Measured	0.105	Calculated	451.4	Measured	0.057	Measured	7920	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	17	1	756		392.2	Measured	0.049	Calculated	833.7	Measured	0.105	Calculated	484.9	Measured	0.061	Measured	7948.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	18	1	757		370.8	Measured	0.047	Calculated	829.8	Measured	0.105	Calculated	514.3	Measured	0.065	Measured	7912	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	19	1	756		383.2	Measured	0.049	Calculated	825	Measured	0.105	Calculated	503.4	Measured	0.064	Measured	7866.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	20	1	755		418.8	Measured	0.053	Calculated	825.8	Measured	0.105	Calculated	480.3	Measured	0.061	Measured	7873.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	21	1	756		541.3	Measured	0.069	Calculated	826.1	Measured	0.105	Calculated	519.9	Measured	0.066	Measured	7876.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	22	1	756		393.2	Measured	0.05	Calculated	828.8	Measured	0.105	Calculated	513.6	Measured	0.065	Measured	7902	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/4/2025	23	1	756		330.3	Measured	0.042	Calculated	820.2	Measured	0.105	Calculated	430.1	Measured	0.055	Measured	7820.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	0	1	757		367.8	Measured	0.047	Calculated	820.6	Measured	0.105	Calculated	399	Measured	0.051	Measured	7824.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	1	1	757		357.3	Measured	0.045	Calculated	827.5	Measured	0.105	Calculated	394.5	Measured	0.05	Measured	7890	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	2	1	756		386.8	Measured	0.049	Calculated	828.4	Measured	0.105	Calculated	418.6	Measured	0.053	Measured	7898.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	3	1	756		384.5	Measured	0.049	Calculated	820.7	Measured	0.105	Calculated	414.7	Measured	0.053	Measured	7824.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	4	1	755		409.1	Measured	0.052	Calculated	820	Measured	0.105	Calculated	406.6	Measured	0.052	Measured	7818.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	5	1	754		406.5	Measured	0.052	Calculated	826.1	Measured	0.105	Calculated	393.8	Measured	0.05	Measured	7876.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	6	1	756		371.5	Measured	0.047	Calculated	826.6	Measured	0.105	Calculated	425.6	Measured	0.054	Measured	7881.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	7	1	756		354.1	Measured	0.045	Calculated	832	Measured	0.105	Calculated	396.6	Measured	0.05	Measured	7932.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	8	1	755		369	Measured	0.047	Calculated	825.6	Measured	0.105	Calculated	393.6	Measured	0.05	Measured	7872	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	9	1	756		417.6	Measured	0.052	Calculated	834.6	Measured	0.105	Calculated	389.9	Measured	0.049	Measured	7958.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	10	1	756		680.2	Measured	0.086	Calculated	830.6	Measured	0.105	Calculated	411.8	Measured	0.052	Measured	7919.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	11	1	755		459.4	Measured	0.058	Calculated	824.2	Measured	0.105	Calculated	424.4	Measured	0.054	Measured	7858.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	12	1	755		404.6	Measured	0.051	Calculated	826.4	Measured	0.105	Calculated	457	Measured	0.058	Measured	7879.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	13	1	757		382.4	Measured	0.049	Calculated	823.3	Measured	0.105	Calculated	463.1	Measured	0.059	Measured	7849.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	14	1	755		367.1	Measured	0.046	Calculated	828.5	Measured	0.105	Calculated	426.6	Measured	0.054	Measured	7899.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	15	1	754		355.5	Measured	0.045	Calculated	825.6	Measured	0.105	Calculated	425.1	Measured	0.054	Measured	7871.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	16	1	754		507	Measured	0.065	Calculated	814.4	Measured	0.105	Calculated	458.1	Measured	0.059	Measured	7764.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	17	1	755		554.3	Measured	0.072	Calculated	805.7	Measured	0.105	Calculated	453.3	Measured	0.059	Measured	7682.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	18	1	755		528.8	Measured	0.068	Calculated	814	Measured	0.105	Calculated	853.7	Measured	0.11	Measured	7761.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	19	1	756		408.9	Measured	0.053	Calculated	814.4	Measured	0.105	Calculated	1273.4	Measured	0.164	Measured	7764.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	20	1	753		358	Measured	0.046	Calculated	807.8	Measured	0.105	Calculated	700.9	Measured	0.091	Measured	7702.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	21	1	755		335.5	Measured	0.043	Calculated	812.9	Measured	0.105	Calculated	844.8	Measured	0.109	Measured	7750.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	22	1	755		347.8	Measured	0.045	Calculated	812.6	Measured	0.105	Calculated	689.6	Measured	0.089	Measured	7748.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/5/2025	23	1	755		403.4	Measured	0.052	Calculated	812.7	Measured	0.105	Calculated	488.2	Measured	0.063	Measured	7748.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	0	1	756		402.2	Measured	0.052	Calculated	811.6	Measured	0.105	Calculated	441.1	Measured	0.057	Measured	7738.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	1	1	756		379.8	Measured	0.049	Calculated	808	Measured	0.105	Calculated	423.7	Measured	0.055	Measured	7704.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	2	1	756		357.2	Measured	0.046	Calculated	808.2	Measured	0.105	Calculated	423.8	Measured	0.055	Measured	7705.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	3	1	754		347.2	Measured	0.045	Calculated	809	Measured	0.105	Calculated	377.9	Measured	0.049	Measured	7713.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	4	1	754		322.3	Measured	0.042	Calculated	808.6	Measured	0.105	Calculated	377.8	Measured	0.049	Measured	7710	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	5	1	755		339	Measured	0.044	Calculated	809.1	Measured	0.105	Calculated	385.7	Measured	0.05	Measured	7714.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	6	1	756		434.2	Measured	0.056	Calculated	816.5	Measured	0.105	Calculated	404.8	Measured	0.052	Measured	7785.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	7	1	756		406.9	Measured	0.052	Calculated	815.6	Measured	0.105	Calculated	412.2	Measured	0.053	Measured	7776.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	8	1	754		372.7	Measured	0.048	Calculated	813.2	Measured	0.105	Calculated	372.2	Measured	0.048	Measured	7753.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	9	1	756		380.5	Measured	0.049	Calculated	816.5	Measured	0.105	Calculated	373.7	Measured	0.048	Measured	7785.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	10	1	756		352.8	Measured	0.045	Calculated	814.6	Measured	0.105	Calculated	403.9	Measured	0.052	Measured	7767.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	11	1	755		451.2	Measured	0.058	Calculated	820.6	Measured	0.105	Calculated	406.9	Measured	0.052	Measured	7824.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	12	1	755		317.6	Measured	0.041	Calculated	814.4	Measured	0.105	Calculated	372.7	Measured	0.048	Measured	7765.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	13	1	756		323.3	Measured	0.042	Calculated	813.1	Measured	0.105	Calculated	379.9	Measured	0.049	Measured	7752.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	14	1	755		506.5	Measured	0.066	Calculated	809.8	Measured	0.105	Calculated	393.8	Measured	0.051	Measured	7720.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	15	1	755		366.8	Measured	0.047	Calculated	813.7	Measured	0.105	Calculated	411.2	Measured	0.053	Measured	7758.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	16	1	755		447	Measured	0.057	Calculated	816.8	Measured	0.105	Calculated	428.3	Measured	0.055	Measured	7787.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	17	1	754		393.7	Measured	0.051	Calculated	809.8	Measured	0.105	Calculated	424.6	Measured	0.055	Measured	7720.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	18	1	755		373.4	Measured	0.048	Calculated	810.1	Measured	0.105	Calculated	409.4	Measured	0.053	Measured	7724.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	19	1	755		378	Measured	0.049	Calculated	811.3	Measured	0.105	Calculated	417.7	Measured	0.054	Measured	7735.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	20	1	754		374.5	Measured	0.048	Calculated	812.4	Measured	0.105	Calculated	426	Measured	0.055	Measured	7746.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	21	1	754		394.8	Measured	0.051	Calculated	811.9	Measured	0.105	Calculated	394.8	Measured	0.051	Measured	7741.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	22	1	754		386.8	Measured	0.05	Calculated	819.5	Measured	0.105	Calculated	390.7	Measured	0.05	Measured	7813.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/6/2025	23	1	754		390.9	Measured	0.05	Calculated	819.4	Measured	0.105	Calculated	390.6	Measured	0.05	Measured	7812.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	0	1	754		394.8	Measured	0.051	Calculated	818.9	Measured	0.105	Calculated	390.4	Measured	0.05	Measured	7808.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	1	1	755		396.9	Measured	0.051	Calculated	819.2	Measured	0.105	Calculated	406.1	Measured	0.052	Measured	7810.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	2	1	753		412.3	Measured	0.053	Calculated	816.9	Measured	0.105	Calculated	381.7	Measured	0.049	Measured	7789.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	3	1	754		425.8	Measured	0.055	Calculated	815.3	Measured	0.105	Calculated	357.6	Measured	0.046	Measured	7774	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	4	1	754		335	Measured	0.043	Calculated	813.7	Measured	0.105	Calculated	372.4	Measured	0.048	Measured	7758.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	5	1	753		359	Measured	0.046	Calculated	812.4	Measured	0.105	Calculated	364.1	Measured	0.047	Measured	7746	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	6	1	754		394.5	Measured	0.051	Calculated	816.9	Measured	0.105	Calculated	350.5	Measured	0.045	Measured	7789.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	7	1	760		517	Measured	0.066	Calculated	820.9	Measured	0.105	Calculated	360	Measured	0.046	Measured	7826.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	8	1	759		373.5	Measured	0.048	Calculated	819.9	Measured	0.105	Calculated	344	Measured	0.044	Measured	7817.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	9	1	759		399.5	Measured	0.051	Calculated	818.8	Measured	0.105	Calculated	343.5	Measured	0.044	Measured	7807.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	10	1	758		414.1	Measured	0.053	Calculated	819.6	Measured	0.105	Calculated	367.3	Measured	0.047	Measured	7814.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	11	1	757		421.9	Measured	0.054	Calculated	818.8	Measured	0.105	Calculated	343.5	Measured	0.044	Measured	7807.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	12	1	758		405	Measured	0.052	Calculated	817.5	Measured	0.105	Calculated	319.6	Measured	0.041	Measured	7794.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	13	1	758		367.4	Measured	0.047	Calculated	827.1	Measured	0.105	Calculated	354.9	Measured	0.045	Measured	7886.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	14	1	758		386.8	Measured	0.049	Calculated	822.3	Measured	0.105	Calculated	384.2	Measured	0.049	Measured	7840	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	15	1	758		405.9	Measured	0.052	Calculated	819.5	Measured	0.105	Calculated	367.2	Measured	0.047	Measured	7813.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	16	1	757		391.7	Measured	0.05	Calculated	819.6	Measured	0.105	Calculated	351.7	Measured	0.045	Measured	7815	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	17	1	758		334	Measured	0.043	Calculated	823.3	Measured	0.105	Calculated	384.7	Measured	0.049	Measured	7850.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	18	1	759		411.6	Measured	0.052	Calculated	829.7	Measured	0.105	Calculated	450.9	Measured	0.057	Measured	7910.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	19	1	759		334.4	Measured	0.042	Calculated	831.2	Measured	0.105	Calculated	467.6	Measured	0.059	Measured	7925.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	20	1	758		445.5	Measured	0.057	Calculated	817.3	Measured	0.105	Calculated	397.4	Measured	0.051	Measured	7792.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	21	1	758		515.3	Measured	0.067	Calculated	811.2	Measured	0.105	Calculated	355.8	Measured	0.046	Measured	7734.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	22	1	758		433.5	Measured	0.056	Calculated	817.7	Measured	0.105	Calculated	358.7	Measured	0.046	Measured	7796.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/7/2025	23	1	758		283.3	Measured	0.036	Calculated	818.8	Measured	0.105	Calculated	343.5	Measured	0.044	Measured	7807	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	0	1	759		315.2	Measured	0.04	Calculated	822.2	Measured	0.105	Calculated	344.9	Measured	0.044	Measured	7839.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	1	1	759		358.3	Measured	0.046	Calculated	815.4	Measured	0.105	Calculated	326.5	Measured	0.042	Measured	7774.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	2	1	758		375.2	Measured	0.048	Calculated	816.6	Measured	0.105	Calculated	366	Measured	0.047	Measured	7786.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	3	1	758		435.3	Measured	0.056	Calculated	811.4	Measured	0.105	Calculated	471.9	Measured	0.061	Measured	7736.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		7/8/2025	4	1	758		448.2	Measured	0.058	Calculated	812.3	Measured	0.105	Calculated	441.5	Measured	0.057	Measured	7744.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	5	1	758		380.6	Measured	0.049	Calculated	809.7	Measured	0.105	Calculated	416.9	Measured	0.054	Measured	7719.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	6	1	758		413.4	Measured	0.053	Calculated	812.2	Measured	0.105	Calculated	371.7	Measured	0.048	Measured	7744.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	7	1	758		375.9	Measured	0.049	Calculated	808.4	Measured	0.105	Calculated	400.8	Measured	0.052	Measured	7708.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	8	1	758		390.3	Measured	0.051	Calculated	805.6	Measured	0.105	Calculated	414.8	Measured	0.054	Measured	7681.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	9	1	758		408.2	Measured	0.053	Calculated	804.1	Measured	0.105	Calculated	414	Measured	0.054	Measured	7666.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	10	1	758		412	Measured	0.053	Calculated	810.4	Measured	0.105	Calculated	386.3	Measured	0.05	Measured	7726.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	11	1	756		396	Measured	0.052	Calculated	804.4	Measured	0.105	Calculated	383.5	Measured	0.05	Measured	7670.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	12	1	759		472.1	Measured	0.061	Calculated	814.1	Measured	0.105	Calculated	411.4	Measured	0.053	Measured	7762	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	13	1	758		462	Measured	0.059	Calculated	814.6	Measured	0.105	Calculated	427.2	Measured	0.055	Measured	7766.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	14	1	758		492.3	Measured	0.063	Calculated	816.5	Measured	0.105	Calculated	443.8	Measured	0.057	Measured	7785.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	15	1	758		679.1	Measured	0.088	Calculated	810.5	Measured	0.105	Calculated	409.6	Measured	0.053	Measured	7727.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	16	1	758		450.5	Measured	0.059	Calculated	798.5	Measured	0.105	Calculated	395.9	Measured	0.052	Measured	7613.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	17	1	758		395.8	Measured	0.052	Calculated	801.2	Measured	0.105	Calculated	435.4	Measured	0.057	Measured	7639.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	18	1	760		378.7	Measured	0.05	Calculated	800.3	Measured	0.105	Calculated	442.6	Measured	0.058	Measured	7630.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	19	1	758		321.3	Measured	0.042	Calculated	802.4	Measured	0.105	Calculated	413.1	Measured	0.054	Measured	7650.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	20	1	759		328	Measured	0.043	Calculated	803.3	Measured	0.105	Calculated	406	Measured	0.053	Measured	7659.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	21	1	759		320.4	Measured	0.042	Calculated	805.3	Measured	0.105	Calculated	430	Measured	0.056	Measured	7678.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	22	1	759		339.3	Measured	0.044	Calculated	805.6	Measured	0.105	Calculated	476.2	Measured	0.062	Measured	7680.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/8/2025	23	1	616		201.2	Measured	0.031	Calculated	684.5	Measured	0.105	Calculated	404.6	Measured	0.062	Measured	6526.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	0	1	603		280.4	Measured	0.043	Calculated	688.6	Measured	0.105	Calculated	741.9	Measured	0.113	Measured	6565.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	1	1	603		263.2	Measured	0.04	Calculated	687.3	Measured	0.105	Calculated	314.5	Measured	0.048	Measured	6552.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	2	1	603		255.1	Measured	0.039	Calculated	690.4	Measured	0.105	Calculated	309.4	Measured	0.047	Measured	6583.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	3	1	602		265.1	Measured	0.04	Calculated	692.4	Measured	0.105	Calculated	303.7	Measured	0.046	Measured	6601.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	4	1	621		277.3	Measured	0.041	Calculated	709.3	Measured	0.105	Calculated	385.5	Measured	0.057	Measured	6763	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	5	1	631		290.2	Measured	0.042	Calculated	728.8	Measured	0.105	Calculated	375.3	Measured	0.054	Measured	6949.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	6	1	658		343.4	Measured	0.048	Calculated	752.2	Measured	0.105	Calculated	437.5	Measured	0.061	Measured	7172.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	7	1	752		272.7	Measured	0.035	Calculated	827.4	Measured	0.105	Calculated	591.7	Measured	0.075	Measured	7889.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	8	1	759		207.1	Measured	0.026	Calculated	827.4	Measured	0.105	Calculated	394.4	Measured	0.05	Measured	7888.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	9	1	759		268.8	Measured	0.034	Calculated	821.9	Measured	0.105	Calculated	391.8	Measured	0.05	Measured	7836.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	10	1	759		338.4	Measured	0.043	Calculated	817.6	Measured	0.105	Calculated	389.8	Measured	0.05	Measured	7795.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	11	1	758		273.3	Measured	0.035	Calculated	816.8	Measured	0.105	Calculated	342.7	Measured	0.044	Measured	7787.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	12	1	759		223.7	Measured	0.029	Calculated	811.1	Measured	0.105	Calculated	324.8	Measured	0.042	Measured	7733.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	13	1	760		216	Measured	0.028	Calculated	813.6	Measured	0.105	Calculated	349.1	Measured	0.045	Measured	7757.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	14	1	759		257.3	Measured	0.033	Calculated	811.7	Measured	0.105	Calculated	363.7	Measured	0.047	Measured	7739	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	15	1	758		550.7	Measured	0.071	Calculated	813.5	Measured	0.105	Calculated	364.6	Measured	0.047	Measured	7756.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	16	1	757		363.1	Measured	0.047	Calculated	812.3	Measured	0.105	Calculated	340.8	Measured	0.044	Measured	7744.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	17	1	758		351.9	Measured	0.045	Calculated	815.1	Measured	0.105	Calculated	342	Measured	0.044	Measured	7771.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	18	1	759		428.6	Measured	0.055	Calculated	818.4	Measured	0.105	Calculated	374.5	Measured	0.048	Measured	7803.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	19	1	759		442.1	Measured	0.057	Calculated	816.3	Measured	0.105	Calculated	396.9	Measured	0.051	Measured	7783	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	20	1	758		385.5	Measured	0.05	Calculated	815.7	Measured	0.105	Calculated	373.3	Measured	0.048	Measured	7777.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	21	1	759		366.6	Measured	0.047	Calculated	815.4	Measured	0.105	Calculated	373.2	Measured	0.048	Measured	7774.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	22	1	758		349.5	Measured	0.045	Calculated	814.3	Measured	0.105	Calculated	357.2	Measured	0.046	Measured	7764.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/9/2025	23	1	758		364.1	Measured	0.047	Calculated	814.4	Measured	0.105	Calculated	357.2	Measured	0.046	Measured	7764.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	0	1	759		398.6	Measured	0.051	Calculated	812.6	Measured	0.105	Calculated	379.7	Measured	0.049	Measured	7748	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	1	1	758		410.4	Measured	0.054	Calculated	804.3	Measured	0.105	Calculated	352.8	Measured	0.046	Measured	7668.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	2	1	758		412.9	Measured	0.054	Calculated	801	Measured	0.105	Calculated	320.8	Measured	0.042	Measured	7637.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	3	1	757		430.8	Measured	0.056	Calculated	807	Measured	0.105	Calculated	323.2	Measured	0.042	Measured	7694.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	4	1	757		378.4	Measured	0.049	Calculated	805.1	Measured	0.105	Calculated	314.7	Measured	0.041	Measured	7676.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	5	1	757		397.8	Measured	0.052	Calculated	802.7	Measured	0.105	Calculated	306.2	Measured	0.04	Measured	7653.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	6	1	758		529.2	Measured	0.068	Calculated	813.8	Measured	0.105	Calculated	302.6	Measured	0.039	Measured	7759.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	7	1	757		435.1	Measured	0.056	Calculated	813.7	Measured	0.105	Calculated	302.6	Measured	0.039	Measured	7758.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	8	1	758		393.5	Measured	0.051	Calculated	809.2	Measured	0.105	Calculated	300.9	Measured	0.039	Measured	7715.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	9	1	759		355.6	Measured	0.046	Calculated	804.7	Measured	0.105	Calculated	445	Measured	0.058	Measured	7672.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	10	1	759		385.1	Measured	0.05	Calculated	808.8	Measured	0.105	Calculated	416.4	Measured	0.054	Measured	7712	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	11	1	758		358.2	Measured	0.046	Calculated	808.2	Measured	0.105	Calculated	416.1	Measured	0.054	Measured	7706.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	12	1	756		352.1	Measured	0.045	Calculated	815.4	Measured	0.105	Calculated	435.4	Measured	0.056	Measured	7774.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	13	1	757		353.9	Measured	0.045	Calculated	817	Measured	0.105	Calculated	366.1	Measured	0.047	Measured	7790.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	14	1	757		437.3	Measured	0.056	Calculated	817.2	Measured	0.105	Calculated	319.5	Measured	0.041	Measured	7791.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	15	1	757		382.6	Measured	0.049	Calculated	817.6	Measured	0.105	Calculated	304	Measured	0.039	Measured	7796	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	16	1	757		349.5	Measured	0.045	Calculated	814	Measured	0.105	Calculated	326	Measured	0.042	Measured	7761.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	17	1	758		362.9	Measured	0.047	Calculated	816.6	Measured	0.105	Calculated	342.6	Measured	0.044	Measured	7785.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	18	1	758		380.1	Measured	0.049	Calculated	811.3	Measured	0.105	Calculated	379.1	Measured	0.049	Measured	7735.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	19	1	758		387.7	Measured	0.05	Calculated	810.1	Measured	0.105	Calculated	324.4	Measured	0.042	Measured	7723.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	20	1	757		387.5	Measured	0.05	Calculated	805.3	Measured	0.105	Calculated	299.5	Measured	0.039	Measured	7678.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	21	1	757		379.5	Measured	0.049	Calculated	810.1	Measured	0.105	Calculated	316.7	Measured	0.041	Measured	7723.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	22	1	757		387	Measured	0.05	Calculated	808.5	Measured	0.105	Calculated	400.9	Measured	0.052	Measured	7708.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/10/2025	23	1	757		418.1	Measured	0.054	Calculated	805.4	Measured	0.105	Calculated	399.3	Measured	0.052	Measured	7679.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	0	1	757		401.5	Measured	0.052	Calculated	804.8	Measured	0.105	Calculated	391.4	Measured	0.051	Measured	7673.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	1	1	758		375	Measured	0.049	Calculated	804.9	Measured	0.105	Calculated	414.4	Measured	0.054	Measured	7674.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	2	1	757		358	Measured	0.046	Calculated	814.9	Measured	0.105	Calculated	419.6	Measured	0.054	Measured	7770.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	3	1	756		361.3	Measured	0.047	Calculated	813	Measured	0.105	Calculated	418.6	Measured	0.054	Measured	7751.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	4	1	756		401	Measured	0.052	Calculated	810.7	Measured	0.105	Calculated	409.7	Measured	0.053	Measured	7730	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	5	1	756		381.7	Measured	0.049	Calculated	812.9	Measured	0.105	Calculated	372.1	Measured	0.048	Measured	7751.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	6	1	758		353.5	Measured	0.046	Calculated	814	Measured	0.105	Calculated	395.8	Measured	0.051	Measured	7761.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	7	1	757		363.1	Measured	0.047	Calculated	803.1	Measured	0.105	Calculated	390.5	Measured	0.051	Measured	7657.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	8	1	757		968.3	Measured	0.127	Calculated	796.6	Measured	0.105	Calculated	660.8	Measured	0.087	Measured	7594.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	9	1	758		825.5	Measured	0.11	Calculated	790.1	Measured	0.105	Calculated	549.9	Measured	0.073	Measured	7533.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	10	1	758		801.8	Measured	0.106	Calculated	790.5	Measured	0.105	Calculated	572.9	Measured	0.076	Measured	7537.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	11	1	698		725.9	Measured	0.103	Calculated	739.8	Measured	0.105	Calculated	409.1	Measured	0.058	Measured	7053.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	12	1	666		692.3	Measured	0.102	Calculated	715	Measured	0.105	Calculated	163.6	Measured	0.024	Measured	6817.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	13	1	686		562.3	Measured	0.08	Calculated	733.9	Measured	0.105	Calculated	223.9	Measured	0.032	Measured	6997.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	14	1	739		345.8	Measured	0.046	Calculated	789.4	Measured	0.105	Calculated	331.2	Measured	0.044	Measured	7526.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	15	1	758		389.7	Measured	0.051	Calculated	807.1	Measured	0.105	Calculated	554	Measured	0.072	Measured	7695	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	16	1	757		379.2	Measured	0.049	Calculated	806.7	Measured	0.105	Calculated	523	Measured	0.068	Measured	7691.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	17	1	757		367.8	Measured	0.048	Calculated	804.4	Measured	0.105	Calculated	506.2	Measured	0.066	Measured	7669.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	18	1	758		345	Measured	0.045	Calculated	808.7	Measured	0.105	Calculated	431.8	Measured	0.056	Measured	7710.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	19	1	759		348.1	Measured	0.045	Calculated	811.1	Measured	0.105	Calculated	479.5	Measured	0.062	Measured	7733.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	20	1	758		360.5	Measured	0.047	Calculated	811	Measured	0.105	Calculated	518.1	Measured	0.067	Measured	7732.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	21	1	758		359.2	Measured	0.047	Calculated	808	Measured	0.105	Calculated	547	Measured	0.071	Measured	7703.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	22	1	758		353.3	Measured	0.046	Calculated	811.1	Measured	0.105	Calculated	487.2	Measured	0.063	Measured	7733.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/11/2025	23	1	757		357	Measured	0.046	Calculated	810.2	Measured	0.105	Calculated	440.3	Measured	0.057	Measured	7725.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	0	1	758		361.2	Measured	0.046	Calculated	815	Measured	0.105	Calculated	474	Measured	0.061	Measured	7770.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	1	1	759		379.7	Measured	0.049	Calculated	814.8	Measured	0.105	Calculated	512.8	Measured	0.066	Measured	7769.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	2	1	758		412.5	Measured	0.053	Calculated	810.4	Measured	0.105	Calculated	510	Measured	0.066	Measured	7726.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	3	1	757		396.8	Measured	0.052	Calculated	804.9	Measured	0.105	Calculated	437.4	Measured	0.057	Measured	7674.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	4	1	757		381.5	Measured	0.05	Calculated	807.2	Measured	0.105	Calculated	431	Measured	0.056	Measured	7696.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	5	1	758		387.2	Measured	0.05	Calculated	806.1	Measured	0.105	Calculated	453.5	Measured	0.059	Measured	7686.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	6	1	758		364	Measured	0.047	Calculated	819.2	Measured	0.105	Calculated	460.9	Measured	0.059	Measured	7811.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	7	1	757		489.9	Measured	0.063	Calculated	820.1	Measured	0.105	Calculated	492.6	Measured	0.063	Measured	7819.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	8	1	756		472	Measured	0.061	Calculated	817.4	Measured	0.105	Calculated	428.7	Measured	0.055	Measured	7793.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	9	1	757		368.1	Measured	0.047	Calculated	814.6	Measured	0.105	Calculated	435	Measured	0.056	Measured	7767.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	10	1	757		286.2	Measured	0.037	Calculated	814.1	Measured	0.105	Calculated	442.5	Measured	0.057	Measured	7762.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	11	1	756		278.3	Measured	0.036	Calculated	808.2	Measured	0.105	Calculated	454.6	Measured	0.059	Measured	7705.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	12	1	757		300.7	Measured	0.039	Calculated	807.7	Measured	0.105	Calculated	431.3	Measured	0.056	Measured	7700.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	13	1	757		291	Measured	0.038	Calculated	809.2	Measured	0.105	Calculated	447.5	Measured	0.058	Measured	7715.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	14	1	757		291.7	Measured	0.037	Calculated	818.2	Measured	0.105	Calculated	460.3	Measured	0.059	Measured	7801.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	15	1	757		285.4	Measured	0.037	Calculated	818	Measured	0.105	Calculated	475.7	Measured	0.061	Measured	7799	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	16	1	756		278.1	Measured	0.036	Calculated	820.5	Measured	0.105	Calculated	508.5	Measured	0.065	Measured	7823.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	17	1	757		284	Measured	0.037	Calculated	812.7	Measured	0.105	Calculated	480.4	Measured	0.062	Measured	7748.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	18	1	758		277.2	Measured	0.036	Calculated	810.9	Measured	0.105	Calculated	456.2	Measured	0.059	Measured	7732	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	19	1	757		270.5	Measured	0.035	Calculated	815.5	Measured	0.105	Calculated	513.2	Measured	0.066	Measured	7775.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	20	1	758		336.3	Measured	0.043	Calculated	816.9	Measured	0.105	Calculated	475.1	Measured	0.061	Measured	7788.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	21	1	758		267.3	Measured	0.035	Calculated	811.9	Measured	0.105	Calculated	449	Measured	0.058	Measured	7741.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	22	1	758		265.3	Measured	0.034	Calculated	812.3	Measured	0.105	Calculated	441.4	Measured	0.057	Measured	7744.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/12/2025	23	1	757		258.8	Measured	0.033	Calculated	811.1	Measured	0.105	Calculated	440.8	Measured	0.057	Measured	7733.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	0	1	758		312.6	Measured	0.04	Calculated	812.1	Measured	0.105	Calculated	472.3	Measured	0.061	Measured	7743.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	1	1	758		373.9	Measured	0.048	Calculated	811.3	Measured	0.105	Calculated	495.1	Measured	0.064	Measured	7735.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	2	1	757		429.3	Measured	0.056	Calculated	800.2	Measured	0.105	Calculated	473	Measured	0.062	Measured	7629.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	3	1	756		388.9	Measured	0.05	Calculated	808.2	Measured	0.105	Calculated	439.2	Measured	0.057	Measured	7705.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	4	1	757		367.9	Measured	0.048	Calculated	811.5	Measured	0.105	Calculated	479.7	Measured	0.062	Measured	7737.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	5	1	758		359.2	Measured	0.046	Calculated	810.6	Measured	0.105	Calculated	486.9	Measured	0.063	Measured	7728.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	6	1	758		490.3	Measured	0.063	Calculated	820.6	Measured	0.105	Calculated	477.3	Measured	0.061	Measured	7823.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	7	1	758		410.8	Measured	0.052	Calculated	825.3	Measured	0.105	Calculated	480	Measured	0.061	Measured	7868.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	8	1	757		427.3	Measured	0.055	Calculated	818.3	Measured	0.105	Calculated	460.3	Measured	0.059	Measured	7802.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	9	1	758		424.5	Measured	0.054	Calculated	820.8	Measured	0.105	Calculated	446.1	Measured	0.057	Measured	7826.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	10	1	759		399.4	Measured	0.051	Calculated	820.1	Measured	0.105	Calculated	437.9	Measured	0.056	Measured	7819.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	11	1	757		400.3	Measured	0.051	Calculated	817.7	Measured	0.105	Calculated	397.6	Measured	0.051	Measured	7796.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	12	1	758		398.5	Measured	0.051	Calculated	818.3	Measured	0.105	Calculated	382.3	Measured	0.049	Measured	7801.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	13	1	759		380.8	Measured	0.049	Calculated	819.8	Measured	0.105	Calculated	398.6	Measured	0.051	Measured	7816.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	14	1	758		354.4	Measured	0.045	Calculated	820.7	Measured	0.105	Calculated	414.7	Measured	0.053	Measured	7825.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	15	1	757		372.5	Measured	0.048	Calculated	819.7	Measured	0.105	Calculated	398.6	Measured	0.051	Measured	7815.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	16	1	757		402.2	Measured	0.052	Calculated	817.4	Measured	0.105	Calculated	374.1	Measured	0.048	Measured	7793.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	17	1	757		380.7	Measured	0.049	Calculated	812.6	Measured	0.105	Calculated	395.2	Measured	0.051	Measured	7748.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	18	1	758		380.7	Measured	0.049	Calculated	812.7	Measured	0.105	Calculated	426.2	Measured	0.055	Measured	7748.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	19	1	758		401.3	Measured	0.051	Calculated	819.8	Measured	0.105	Calculated	429.9	Measured	0.055	Measured	7816.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	20	1	757		421.4	Measured	0.054	Calculated	818.7	Measured	0.105	Calculated	421.5	Measured	0.054	Measured	7806.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	21	1	757		398.1	Measured	0.051	Calculated	817.3	Measured	0.105	Calculated	389.6	Measured	0.05	Measured	7792.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/13/2025	22	1	758		423	Measured	0.054	Calculated	821.9	Measured	0.105	Calculated	423.2	Measured	0.054	Measured	7836.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		7/13/2025	23	1	757		395	Measured	0.051	Calculated	819.4	Measured	0.105	Calculated	414.1	Measured	0.053	Measured	7812.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	0	1	757		387	Measured	0.05	Calculated	819.8	Measured	0.105	Calculated	398.7	Measured	0.051	Measured	7817	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	1	1	757		414.6	Measured	0.053	Calculated	821.6	Measured	0.105	Calculated	383.8	Measured	0.049	Measured	7833.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	2	1	758		376.8	Measured	0.048	Calculated	820.2	Measured	0.105	Calculated	375.4	Measured	0.048	Measured	7820.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	3	1	757		346.3	Measured	0.044	Calculated	828.1	Measured	0.105	Calculated	394.8	Measured	0.05	Measured	7895.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	4	1	757		338.4	Measured	0.043	Calculated	828.9	Measured	0.105	Calculated	411	Measured	0.052	Measured	7903.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	5	1	757		372.1	Measured	0.047	Calculated	826	Measured	0.105	Calculated	409.5	Measured	0.052	Measured	7875.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	6	1	757		397.3	Measured	0.05	Calculated	829.8	Measured	0.105	Calculated	379.8	Measured	0.048	Measured	7911.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	7	1	758		361.9	Measured	0.045	Calculated	840.3	Measured	0.105	Calculated	408.6	Measured	0.051	Measured	8012	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	8	1	758		338.2	Measured	0.042	Calculated	842.7	Measured	0.105	Calculated	417.8	Measured	0.052	Measured	8035.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	9	1	759		349.9	Measured	0.044	Calculated	834	Measured	0.105	Calculated	349.9	Measured	0.044	Measured	7951.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	10	1	758		377.7	Measured	0.047	Calculated	836.2	Measured	0.105	Calculated	350.8	Measured	0.044	Measured	7972.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	11	1	758		367.9	Measured	0.046	Calculated	832.8	Measured	0.105	Calculated	190.6	Measured	0.024	Measured	7940.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	12	1	758		388.7	Measured	0.049	Calculated	833.3	Measured	0.105	Calculated	222.5	Measured	0.028	Measured	7945.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	13	1	758		385.6	Measured	0.049	Calculated	828.5	Measured	0.105	Calculated	323.9	Measured	0.041	Measured	7899.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	14	1	758		555.7	Measured	0.071	Calculated	823.8	Measured	0.105	Calculated	345.6	Measured	0.044	Measured	7854.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	15	1	757		421.4	Measured	0.054	Calculated	825.9	Measured	0.105	Calculated	330.7	Measured	0.042	Measured	7874.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	16	1	757		344.6	Measured	0.044	Calculated	829	Measured	0.105	Calculated	363.6	Measured	0.046	Measured	7903.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	17	1	757		384.4	Measured	0.049	Calculated	825.8	Measured	0.105	Calculated	440.9	Measured	0.056	Measured	7873.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	18	1	759		414.8	Measured	0.053	Calculated	824.9	Measured	0.105	Calculated	495.5	Measured	0.063	Measured	7865.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	19	1	756		381.1	Measured	0.048	Calculated	827.6	Measured	0.105	Calculated	568.1	Measured	0.072	Measured	7890.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	20	1	759		383.5	Measured	0.049	Calculated	828.4	Measured	0.105	Calculated	568.7	Measured	0.072	Measured	7898.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	21	1	758		439.6	Measured	0.056	Calculated	825.3	Measured	0.105	Calculated	629.5	Measured	0.08	Measured	7868.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	22	1	758		431.5	Measured	0.054	Calculated	832.5	Measured	0.105	Calculated	420.7	Measured	0.053	Measured	7937.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/14/2025	23	1	757		411.2	Measured	0.052	Calculated	828.9	Measured	0.105	Calculated	371.5	Measured	0.047	Measured	7903.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	0	1	758		402.6	Measured	0.051	Calculated	828.1	Measured	0.105	Calculated	363.2	Measured	0.046	Measured	7895.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	1	1	757		362.5	Measured	0.046	Calculated	829.7	Measured	0.105	Calculated	371.8	Measured	0.047	Measured	7911.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	2	1	758		307.9	Measured	0.039	Calculated	831.8	Measured	0.105	Calculated	356.9	Measured	0.045	Measured	7930.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	3	1	758		325.7	Measured	0.041	Calculated	830	Measured	0.105	Calculated	356.1	Measured	0.045	Measured	7914.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	4	1	757		377.6	Measured	0.048	Calculated	831.5	Measured	0.105	Calculated	325	Measured	0.041	Measured	7927.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	5	1	757		373.9	Measured	0.047	Calculated	839.4	Measured	0.105	Calculated	320.1	Measured	0.04	Measured	8003.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	6	1	759		388.6	Measured	0.048	Calculated	847.2	Measured	0.105	Calculated	323.1	Measured	0.04	Measured	8078.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	7	1	758		468.1	Measured	0.059	Calculated	838.7	Measured	0.105	Calculated	335.8	Measured	0.042	Measured	7996.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	8	1	758		357.9	Measured	0.045	Calculated	842.7	Measured	0.105	Calculated	337.5	Measured	0.042	Measured	8034.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	9	1	758		352.2	Measured	0.044	Calculated	836.6	Measured	0.105	Calculated	319.1	Measured	0.04	Measured	7977	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	10	1	758		326.7	Measured	0.041	Calculated	839.7	Measured	0.105	Calculated	312.2	Measured	0.039	Measured	8006	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	11	1	758		301.5	Measured	0.038	Calculated	838.1	Measured	0.105	Calculated	327.6	Measured	0.041	Measured	7990.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	12	1	758		300.6	Measured	0.038	Calculated	835.7	Measured	0.105	Calculated	318.7	Measured	0.04	Measured	7968	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	13	1	758		362.5	Measured	0.046	Calculated	825	Measured	0.105	Calculated	267.5	Measured	0.034	Measured	7866.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	14	1	758		401.6	Measured	0.051	Calculated	826	Measured	0.105	Calculated	283.5	Measured	0.036	Measured	7875.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	15	1	758		367	Measured	0.047	Calculated	821.5	Measured	0.105	Calculated	289.8	Measured	0.037	Measured	7832.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	16	1	757		309.3	Measured	0.04	Calculated	819	Measured	0.105	Calculated	304.5	Measured	0.039	Measured	7808.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	17	1	757		314.8	Measured	0.041	Calculated	810.7	Measured	0.105	Calculated	309.2	Measured	0.04	Measured	7730	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	18	1	757		334.5	Measured	0.043	Calculated	809.5	Measured	0.105	Calculated	293.3	Measured	0.038	Measured	7718.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	19	1	759		305.5	Measured	0.039	Calculated	812.7	Measured	0.105	Calculated	302.2	Measured	0.039	Measured	7749	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	20	1	757		399.9	Measured	0.052	Calculated	811.4	Measured	0.105	Calculated	301.7	Measured	0.039	Measured	7736.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	21	1	757		997.1	Measured	0.13	Calculated	804.8	Measured	0.105	Calculated	299.3	Measured	0.039	Measured	7673.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	22	1	757		1015.4	Measured	0.133	Calculated	801.4	Measured	0.105	Calculated	336.2	Measured	0.044	Measured	7641.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/15/2025	23	1	646		574.7	Measured	0.086	Calculated	703.8	Measured	0.105	Calculated	342.3	Measured	0.051	Measured	6710.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	0	1	635		542.6	Measured	0.081	Calculated	699.5	Measured	0.105	Calculated	1387.3	Measured	0.208	Measured	6669.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	1	1	635		124.3	Measured	0.018	Calculated	722	Measured	0.105	Calculated	1466.4	Measured	0.213	Measured	6884.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	2	1	635		118.8	Measured	0.017	Calculated	717.3	Measured	0.105	Calculated	1477.2	Measured	0.216	Measured	6839	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	3	1	633		128.6	Measured	0.019	Calculated	718.5	Measured	0.105	Calculated	1452.4	Measured	0.212	Measured	6850.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	4	1	633		130.7	Measured	0.019	Calculated	719.1	Measured	0.105	Calculated	1453.6	Measured	0.212	Measured	6856.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	5	1	633		161.7	Measured	0.023	Calculated	727	Measured	0.105	Calculated	1476.5	Measured	0.213	Measured	6931.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	6	1	634		167.6	Measured	0.024	Calculated	727.7	Measured	0.105	Calculated	1477.8	Measured	0.213	Measured	6938	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	7	1	634		160	Measured	0.023	Calculated	728	Measured	0.105	Calculated	1450.8	Measured	0.209	Measured	6941.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	8	1	634		312.4	Measured	0.045	Calculated	723.9	Measured	0.105	Calculated	1456.3	Measured	0.211	Measured	6901.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	9	1	634		314.4	Measured	0.046	Calculated	713.1	Measured	0.105	Calculated	1468.6	Measured	0.216	Measured	6799.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	10	1	634		252.5	Measured	0.037	Calculated	721.5	Measured	0.105	Calculated	1506.5	Measured	0.219	Measured	6878.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	11	1	633		291.4	Measured	0.043	Calculated	715.7	Measured	0.105	Calculated	1528.6	Measured	0.224	Measured	6823.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	12	1	635		333.1	Measured	0.049	Calculated	714	Measured	0.105	Calculated	1518.2	Measured	0.223	Measured	6808	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	13	1	635		298.6	Measured	0.044	Calculated	714.4	Measured	0.105	Calculated	1512.1	Measured	0.222	Measured	6811.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	14	1	634		284.5	Measured	0.042	Calculated	706.3	Measured	0.105	Calculated	1495	Measured	0.222	Measured	6734.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	15	1	634		319.6	Measured	0.047	Calculated	709.8	Measured	0.105	Calculated	1482.1	Measured	0.219	Measured	6767.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	16	1	634		317.5	Measured	0.047	Calculated	705	Measured	0.105	Calculated	1452	Measured	0.216	Measured	6722.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	17	1	634		349.7	Measured	0.052	Calculated	704.9	Measured	0.105	Calculated	1471.9	Measured	0.219	Measured	6720.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	18	1	636		338.4	Measured	0.05	Calculated	709.1	Measured	0.105	Calculated	1467.1	Measured	0.217	Measured	6760.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	19	1	635		320	Measured	0.047	Calculated	715	Measured	0.105	Calculated	1486.1	Measured	0.218	Measured	6817.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	20	1	634		354.8	Measured	0.052	Calculated	721.7	Measured	0.105	Calculated	1507.1	Measured	0.219	Measured	6881.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	21	1	634		382.1	Measured	0.055	Calculated	722.3	Measured	0.105	Calculated	1501.3	Measured	0.218	Measured	6886.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	22	1	634		347.4	Measured	0.05	Calculated	726.4	Measured	0.105	Calculated	1496.1	Measured	0.216	Measured	6926.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/16/2025	23	1	635		355.8	Measured	0.052	Calculated	723.7	Measured	0.105	Calculated	1511.2	Measured	0.219	Measured	6900.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	0	1	635		371.5	Measured	0.054	Calculated	724.3	Measured	0.105	Calculated	1512.3	Measured	0.219	Measured	6905.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	1	1	634		359.8	Measured	0.052	Calculated	720.1	Measured	0.105	Calculated	1483.1	Measured	0.216	Measured	6866.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	2	1	634		342	Measured	0.049	Calculated	729.9	Measured	0.105	Calculated	1517.1	Measured	0.218	Measured	6959	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	3	1	634		425.6	Measured	0.061	Calculated	733.9	Measured	0.105	Calculated	1490.5	Measured	0.213	Measured	6997.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	4	1	634		318.2	Measured	0.046	Calculated	723.9	Measured	0.105	Calculated	1518.6	Measured	0.22	Measured	6902.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	5	1	633		356.6	Measured	0.052	Calculated	724.2	Measured	0.105	Calculated	1546.6	Measured	0.224	Measured	6904.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	6	1	634		324.3	Measured	0.046	Calculated	738	Measured	0.105	Calculated	1498.9	Measured	0.213	Measured	7036.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	7	1	635		354.9	Measured	0.05	Calculated	744.4	Measured	0.105	Calculated	1511.8	Measured	0.213	Measured	7097.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	8	1	634		500.7	Measured	0.071	Calculated	744.3	Measured	0.105	Calculated	1525.8	Measured	0.215	Measured	7096.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	9	1	635		445.7	Measured	0.064	Calculated	735.7	Measured	0.105	Calculated	1543.1	Measured	0.22	Measured	7014.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	10	1	634		339.8	Measured	0.048	Calculated	738.3	Measured	0.105	Calculated	1534.5	Measured	0.218	Measured	7039.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	11	1	634		359.1	Measured	0.051	Calculated	741.2	Measured	0.105	Calculated	1540.7	Measured	0.218	Measured	7067.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	12	1	634		358.5	Measured	0.051	Calculated	733.3	Measured	0.105	Calculated	1524.1	Measured	0.218	Measured	6991.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	13	1	634		347.3	Measured	0.05	Calculated	729.8	Measured	0.105	Calculated	1530.8	Measured	0.22	Measured	6958.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	14	1	634		363.5	Measured	0.052	Calculated	728.1	Measured	0.105	Calculated	1527.4	Measured	0.22	Measured	6942.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	15	1	633		215.3	Measured	0.031	Calculated	726.3	Measured	0.105	Calculated	1509.7	Measured	0.218	Measured	6925.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	16	1	633		306.8	Measured	0.044	Calculated	734.9	Measured	0.105	Calculated	1506.6	Measured	0.215	Measured	7007.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	17	1	632		333.4	Measured	0.048	Calculated	735.1	Measured	0.105	Calculated	1520.9	Measured	0.217	Measured	7008.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	18	1	634		354.8	Measured	0.051	Calculated	729.6	Measured	0.105	Calculated	1530.5	Measured	0.22	Measured	6956.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	19	1	634		329.5	Measured	0.047	Calculated	732.4	Measured	0.105	Calculated	1515.4	Measured	0.217	Measured	6983.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	20	1	634		343.1	Measured	0.049	Calculated	733	Measured	0.105	Calculated	1530.5	Measured	0.219	Measured	6988.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	21	1	634		339.3	Measured	0.048	Calculated	739.7	Measured	0.105	Calculated	1523.4	Measured	0.216	Measured	7052.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	22	1	635		337.5	Measured	0.048	Calculated	739.7	Measured	0.105	Calculated	1523.5	Measured	0.216	Measured	7053.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/17/2025	23	1	633		314.3	Measured	0.045	Calculated	739.1	Measured	0.105	Calculated	1522.2	Measured	0.216	Measured	7047	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	0	1	634		354.6	Measured	0.051	Calculated	735.8	Measured	0.105	Calculated	1487.3	Measured	0.212	Measured	7015.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	1	1	633		333.1	Measured	0.048	Calculated	734.4	Measured	0.105	Calculated	1477.5	Measured	0.211	Measured	7002.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	2	1	634		372	Measured	0.053	Calculated	730	Measured	0.105	Calculated	1496.4	Measured	0.215	Measured	6959.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	3	1	632		348.2	Measured	0.05	Calculated	727.8	Measured	0.105	Calculated	1498.9	Measured	0.216	Measured	6939.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	4	1	633		354.4	Measured	0.051	Calculated	725	Measured	0.105	Calculated	1493.1	Measured	0.216	Measured	6912.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	5	1	632		412.3	Measured	0.059	Calculated	733.8	Measured	0.105	Calculated	1483.3	Measured	0.212	Measured	6996.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	6	1	633		701	Measured	0.1	Calculated	733.7	Measured	0.105	Calculated	1476.1	Measured	0.211	Measured	6995.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	7	1	634		283.2	Measured	0.04	Calculated	739.2	Measured	0.105	Calculated	1487.1	Measured	0.211	Measured	7047.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	8	1	634		389.6	Measured	0.055	Calculated	743.1	Measured	0.105	Calculated	1289.6	Measured	0.182	Measured	7085.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	9	1	633		389.6	Measured	0.056	Calculated	733.1	Measured	0.105	Calculated	531.2	Measured	0.076	Measured	6990.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	10	1	633		290.1	Measured	0.041	Calculated	737.4	Measured	0.105	Calculated	217.9	Measured	0.031	Measured	7030.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	11	1	608		341.4	Measured	0.051	Calculated	705.8	Measured	0.105	Calculated	249	Measured	0.037	Measured	6729.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	12	1	602		342.6	Measured	0.051	Calculated	698.4	Measured	0.105	Calculated	279.7	Measured	0.042	Measured	6658.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	13	1	603		328.9	Measured	0.05	Calculated	696.4	Measured	0.105	Calculated	305.5	Measured	0.046	Measured	6640.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	14	1	608		373.6	Measured	0.055	Calculated	707.8	Measured	0.105	Calculated	323.9	Measured	0.048	Measured	6748.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	15	1	711		637.6	Measured	0.084	Calculated	798.7	Measured	0.105	Calculated	517.8	Measured	0.068	Measured	7614.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	16	1	725		215	Measured	0.028	Calculated	808.4	Measured	0.105	Calculated	578.1	Measured	0.075	Measured	7708.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	17	1	726		284.5	Measured	0.037	Calculated	808.3	Measured	0.105	Calculated	608.8	Measured	0.079	Measured	7706.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	18	1	755		381.7	Measured	0.049	Calculated	814.7	Measured	0.105	Calculated	652.5	Measured	0.084	Measured	7768.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	19	1	758		355.2	Measured	0.046	Calculated	815.5	Measured	0.105	Calculated	660.9	Measured	0.085	Measured	7775.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	20	1	757		362.3	Measured	0.046	Calculated	817.5	Measured	0.105	Calculated	678.2	Measured	0.087	Measured	7794.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	21	1	758		393	Measured	0.05	Calculated	816.7	Measured	0.105	Calculated	677.5	Measured	0.087	Measured	7787.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	22	1	759		384.3	Measured	0.049	Calculated	816	Measured	0.105	Calculated	396.8	Measured	0.051	Measured	7779.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/18/2025	23	1	757		386.2	Measured	0.05	Calculated	808.5	Measured	0.105	Calculated	385.4	Measured	0.05	Measured	7708.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	0	1	758		383.5	Measured	0.05	Calculated	807.2	Measured	0.105	Calculated	392.5	Measured	0.051	Measured	7696.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	1	1	758		366.8	Measured	0.048	Calculated	806.6	Measured	0.105	Calculated	415.3	Measured	0.054	Measured	7691.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	2	1	758		345	Measured	0.045	Calculated	808.7	Measured	0.105	Calculated	401	Measured	0.052	Measured	7710.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	3	1	757		364.6	Measured	0.047	Calculated	813.5	Measured	0.105	Calculated	380.1	Measured	0.049	Measured	7756.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	4	1	756		306.7	Measured	0.04	Calculated	812.9	Measured	0.105	Calculated	364.3	Measured	0.047	Measured	7750.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	5	1	758		338.4	Measured	0.044	Calculated	814.8	Measured	0.105	Calculated	380.7	Measured	0.049	Measured	7769.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	6	1	758		379.6	Measured	0.049	Calculated	814.7	Measured	0.105	Calculated	372.9	Measured	0.048	Measured	7767.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	7	1	758		386.1	Measured	0.05	Calculated	815.2	Measured	0.105	Calculated	404.2	Measured	0.052	Measured	7772.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	8	1	758		360.5	Measured	0.046	Calculated	825.3	Measured	0.105	Calculated	369.8	Measured	0.047	Measured	7868.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	9	1	760		410	Measured	0.052	Calculated	829	Measured	0.105	Calculated	387.3	Measured	0.049	Measured	7904.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	10	1	760		417.3	Measured	0.053	Calculated	826.9	Measured	0.105	Calculated	410	Measured	0.052	Measured	7884.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	11	1	759		376.1	Measured	0.048	Calculated	813.5	Measured	0.105	Calculated	426.6	Measured	0.055	Measured	7756.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	12	1	759		434.4	Measured	0.056	Calculated	806.5	Measured	0.105	Calculated	438.3	Measured	0.057	Measured	7689.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	13	1	759		426.3	Measured	0.055	Calculated	806.9	Measured	0.105	Calculated	430.9	Measured	0.056	Measured	7694	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	14	1	759		490	Measured	0.064	Calculated	809.3	Measured	0.105	Calculated	432.1	Measured	0.056	Measured	7716	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	15	1	759		394.8	Measured	0.052	Calculated	802	Measured	0.105	Calculated	428.2	Measured	0.056	Measured	7647	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	16	1	759		413.9	Measured	0.055	Calculated	795.9	Measured	0.105	Calculated	417.4	Measured	0.055	Measured	7589	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	17	1	758		408.4	Measured	0.054	Calculated	797.2	Measured	0.105	Calculated	418.1	Measured	0.055	Measured	7601.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		7/19/2025	18	1	760		410.8	Measured	0.054	Calculated	797.9	Measured	0.105	Calculated	441.2	Measured	0.058	Measured	7607.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	19	1	759		429.3	Measured	0.056	Calculated	797.5	Measured	0.105	Calculated	418.2	Measured	0.055	Measured	7603.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	20	1	759		386.1	Measured	0.051	Calculated	798.4	Measured	0.105	Calculated	411.1	Measured	0.054	Measured	7612.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	21	1	759		375.9	Measured	0.049	Calculated	805.7	Measured	0.105	Calculated	414.8	Measured	0.054	Measured	7682.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	22	1	760		388.5	Measured	0.051	Calculated	806.1	Measured	0.105	Calculated	422.7	Measured	0.055	Measured	7685.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/19/2025	23	1	759		375.3	Measured	0.049	Calculated	804.6	Measured	0.105	Calculated	421.9	Measured	0.055	Measured	7671.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	0	1	760		392.4	Measured	0.051	Calculated	802.6	Measured	0.105	Calculated	436.2	Measured	0.057	Measured	7652.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	1	1	760		388.6	Measured	0.051	Calculated	799.1	Measured	0.105	Calculated	441.9	Measured	0.058	Measured	7619.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	2	1	759		373.8	Measured	0.049	Calculated	798.5	Measured	0.105	Calculated	441.6	Measured	0.058	Measured	7613.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	3	1	759		372.5	Measured	0.049	Calculated	800.2	Measured	0.105	Calculated	465.4	Measured	0.061	Measured	7630.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	4	1	758		375.8	Measured	0.049	Calculated	805.6	Measured	0.105	Calculated	437.8	Measured	0.057	Measured	7681.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	5	1	759		397.5	Measured	0.052	Calculated	803.3	Measured	0.105	Calculated	436.6	Measured	0.057	Measured	7659.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	6	1	759		421	Measured	0.054	Calculated	818.9	Measured	0.105	Calculated	429.4	Measured	0.055	Measured	7807.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	7	1	759		430.2	Measured	0.055	Calculated	816.7	Measured	0.105	Calculated	436.1	Measured	0.056	Measured	7787.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	8	1	758		395.4	Measured	0.051	Calculated	817.5	Measured	0.105	Calculated	452.1	Measured	0.058	Measured	7794.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	9	1	759		501.1	Measured	0.064	Calculated	817.7	Measured	0.105	Calculated	491.2	Measured	0.063	Measured	7796.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	10	1	758		416.8	Measured	0.054	Calculated	814.7	Measured	0.105	Calculated	435	Measured	0.056	Measured	7768.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	11	1	758		386.4	Measured	0.05	Calculated	808.8	Measured	0.105	Calculated	431.9	Measured	0.056	Measured	7711.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	12	1	758		367.6	Measured	0.048	Calculated	808.3	Measured	0.105	Calculated	423.9	Measured	0.055	Measured	7706.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	13	1	758		379.1	Measured	0.049	Calculated	810.9	Measured	0.105	Calculated	402	Measured	0.052	Measured	7731.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	14	1	758		416.6	Measured	0.054	Calculated	807.3	Measured	0.105	Calculated	400.3	Measured	0.052	Measured	7697.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	15	1	758		455.3	Measured	0.059	Calculated	806.3	Measured	0.105	Calculated	346	Measured	0.045	Measured	7687.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	16	1	757		313.2	Measured	0.04	Calculated	817.1	Measured	0.105	Calculated	303.8	Measured	0.039	Measured	7790.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	17	1	758		355.5	Measured	0.046	Calculated	816.1	Measured	0.105	Calculated	303.5	Measured	0.039	Measured	7781.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	18	1	756		391.7	Measured	0.051	Calculated	811.2	Measured	0.105	Calculated	309.4	Measured	0.04	Measured	7734.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	19	1	757		394.1	Measured	0.051	Calculated	814.8	Measured	0.105	Calculated	303	Measured	0.039	Measured	7768.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	20	1	756		370.1	Measured	0.048	Calculated	814.9	Measured	0.105	Calculated	303	Measured	0.039	Measured	7770.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	21	1	756		357.4	Measured	0.046	Calculated	818.1	Measured	0.105	Calculated	327.6	Measured	0.042	Measured	7800.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	22	1	757		353	Measured	0.045	Calculated	817.2	Measured	0.105	Calculated	342.9	Measured	0.044	Measured	7792.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/20/2025	23	1	757		392.3	Measured	0.05	Calculated	822	Measured	0.105	Calculated	321.3	Measured	0.041	Measured	7837.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	0	1	756		376.5	Measured	0.048	Calculated	822.7	Measured	0.105	Calculated	329.5	Measured	0.042	Measured	7844.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	1	1	757		353.7	Measured	0.045	Calculated	821.3	Measured	0.105	Calculated	328.9	Measured	0.042	Measured	7830.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	2	1	756		371.6	Measured	0.047	Calculated	820.7	Measured	0.105	Calculated	344.3	Measured	0.044	Measured	7825	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	3	1	757		393.5	Measured	0.05	Calculated	820.3	Measured	0.105	Calculated	352	Measured	0.045	Measured	7821.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	4	1	755		395.7	Measured	0.051	Calculated	816.6	Measured	0.105	Calculated	327	Measured	0.042	Measured	7786.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	5	1	755		359.7	Measured	0.046	Calculated	816.4	Measured	0.105	Calculated	327	Measured	0.042	Measured	7784.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	6	1	756		339.9	Measured	0.043	Calculated	821.7	Measured	0.105	Calculated	321.2	Measured	0.041	Measured	7835	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	7	1	757		540.1	Measured	0.068	Calculated	828	Measured	0.105	Calculated	315.8	Measured	0.04	Measured	7894.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	8	1	755		590	Measured	0.076	Calculated	818.5	Measured	0.105	Calculated	312.2	Measured	0.04	Measured	7804.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	9	1	755		466.4	Measured	0.059	Calculated	824.7	Measured	0.105	Calculated	322.4	Measured	0.041	Measured	7863.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	10	1	756		408.2	Measured	0.052	Calculated	824.4	Measured	0.105	Calculated	330.1	Measured	0.042	Measured	7860.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	11	1	756		348.8	Measured	0.044	Calculated	826	Measured	0.105	Calculated	346.5	Measured	0.044	Measured	7875.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	12	1	756		336.9	Measured	0.043	Calculated	824.2	Measured	0.105	Calculated	369.4	Measured	0.047	Measured	7859	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	13	1	756		353.4	Measured	0.045	Calculated	827.5	Measured	0.105	Calculated	331.4	Measured	0.042	Measured	7889.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	14	1	756		427.9	Measured	0.054	Calculated	823.8	Measured	0.105	Calculated	314.2	Measured	0.04	Measured	7854.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	15	1	757		355.2	Measured	0.045	Calculated	820	Measured	0.105	Calculated	328.4	Measured	0.042	Measured	7818.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	16	1	756		357.8	Measured	0.046	Calculated	821.3	Measured	0.105	Calculated	344.5	Measured	0.044	Measured	7830.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	17	1	756		369.3	Measured	0.047	Calculated	820.1	Measured	0.105	Calculated	344.1	Measured	0.044	Measured	7819.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	18	1	756		358.8	Measured	0.046	Calculated	816.8	Measured	0.105	Calculated	327.1	Measured	0.042	Measured	7787.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	19	1	757		343.8	Measured	0.044	Calculated	819.5	Measured	0.105	Calculated	320.4	Measured	0.041	Measured	7813.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	20	1	757		312.7	Measured	0.04	Calculated	817.5	Measured	0.105	Calculated	350.8	Measured	0.045	Measured	7794.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	21	1	757		336.4	Measured	0.043	Calculated	816.2	Measured	0.105	Calculated	358	Measured	0.046	Measured	7782.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	22	1	756		366.8	Measured	0.047	Calculated	812.2	Measured	0.105	Calculated	325.3	Measured	0.042	Measured	7744.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/21/2025	23	1	755		345.6	Measured	0.045	Calculated	809.5	Measured	0.105	Calculated	324.2	Measured	0.042	Measured	7718.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	0	1	756		365.8	Measured	0.047	Calculated	814.4	Measured	0.105	Calculated	380.5	Measured	0.049	Measured	7764.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	1	1	756		383.2	Measured	0.049	Calculated	812.8	Measured	0.105	Calculated	387.5	Measured	0.05	Measured	7750.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	2	1	756		418.7	Measured	0.055	Calculated	804.8	Measured	0.105	Calculated	383.7	Measured	0.05	Measured	7673.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	3	1	756		389.6	Measured	0.051	Calculated	806.8	Measured	0.105	Calculated	392.3	Measured	0.051	Measured	7692.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	4	1	756		325.1	Measured	0.042	Calculated	813	Measured	0.105	Calculated	387.6	Measured	0.05	Measured	7751.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	5	1	756		298.8	Measured	0.039	Calculated	812.6	Measured	0.105	Calculated	387.4	Measured	0.05	Measured	7747.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	6	1	756		331.9	Measured	0.042	Calculated	821.9	Measured	0.105	Calculated	391.8	Measured	0.05	Measured	7836.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	7	1	755		318.2	Measured	0.04	Calculated	824.7	Measured	0.105	Calculated	369.6	Measured	0.047	Measured	7863.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	8	1	756		362	Measured	0.045	Calculated	835.6	Measured	0.105	Calculated	374.4	Measured	0.047	Measured	7967	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	9	1	756		380.8	Measured	0.048	Calculated	830.1	Measured	0.105	Calculated	395.8	Measured	0.05	Measured	7915.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	10	1	756		421	Measured	0.053	Calculated	830.1	Measured	0.105	Calculated	395.7	Measured	0.05	Measured	7914.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	11	1	757		371.5	Measured	0.047	Calculated	831.9	Measured	0.105	Calculated	380.7	Measured	0.048	Measured	7932	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	12	1	756		382	Measured	0.048	Calculated	832.9	Measured	0.105	Calculated	389.1	Measured	0.049	Measured	7941.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	13	1	757		370.4	Measured	0.047	Calculated	834	Measured	0.105	Calculated	373.8	Measured	0.047	Measured	7952.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	14	1	757		495.5	Measured	0.063	Calculated	830	Measured	0.105	Calculated	387.8	Measured	0.049	Measured	7914.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	15	1	757		379	Measured	0.048	Calculated	823.7	Measured	0.105	Calculated	400.6	Measured	0.051	Measured	7854.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	16	1	756		385.3	Measured	0.049	Calculated	824.2	Measured	0.105	Calculated	369.4	Measured	0.047	Measured	7858.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	17	1	756		379.8	Measured	0.049	Calculated	821.1	Measured	0.105	Calculated	344.5	Measured	0.044	Measured	7829.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	18	1	756		366.2	Measured	0.047	Calculated	815.3	Measured	0.105	Calculated	357.6	Measured	0.046	Measured	7774	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	19	1	756		361.8	Measured	0.047	Calculated	814.4	Measured	0.105	Calculated	349.4	Measured	0.045	Measured	7765.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	20	1	756		391.9	Measured	0.05	Calculated	818.4	Measured	0.105	Calculated	343.3	Measured	0.044	Measured	7803.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	21	1	756		394.7	Measured	0.05	Calculated	820.1	Measured	0.105	Calculated	351.9	Measured	0.045	Measured	7819.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	22	1	757		356.5	Measured	0.046	Calculated	820.7	Measured	0.105	Calculated	359.9	Measured	0.046	Measured	7824.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/22/2025	23	1	757		365.5	Measured	0.046	Calculated	825.1	Measured	0.105	Calculated	369.8	Measured	0.047	Measured	7867.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	0	1	757		379.9	Measured	0.048	Calculated	825.7	Measured	0.105	Calculated	393.7	Measured	0.05	Measured	7873.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	1	1	756		383.2	Measured	0.049	Calculated	817.3	Measured	0.105	Calculated	358.5	Measured	0.046	Measured	7792.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	2	1	756		384.9	Measured	0.049	Calculated	823.4	Measured	0.105	Calculated	369	Measured	0.047	Measured	7851	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	3	1	757		380	Measured	0.048	Calculated	826	Measured	0.105	Calculated	393.8	Measured	0.05	Measured	7875.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	4	1	756		372.9	Measured	0.047	Calculated	823.7	Measured	0.105	Calculated	392.7	Measured	0.05	Measured	7853.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	5	1	757		370.5	Measured	0.047	Calculated	822.9	Measured	0.105	Calculated	368.7	Measured	0.047	Measured	7845.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	6	1	757		358.6	Measured	0.045	Calculated	830.2	Measured	0.105	Calculated	380	Measured	0.048	Measured	7916	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	7	1	757		362.1	Measured	0.045	Calculated	835.9	Measured	0.105	Calculated	350.7	Measured	0.044	Measured	7969.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	8	1	758		331.8	Measured	0.042	Calculated	835.5	Measured	0.105	Calculated	374.4	Measured	0.047	Measured	7966.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	9	1	757		302.4	Measured	0.038	Calculated	830.7	Measured	0.105	Calculated	388.1	Measured	0.049	Measured	7920.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	10	1	756		373.7	Measured	0.047	Calculated	832.3	Measured	0.105	Calculated	373	Measured	0.047	Measured	7936.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	11	1	756		357.8	Measured	0.045	Calculated	832.9	Measured	0.105	Calculated	373.3	Measured	0.047	Measured	7941.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	12	1	757		360.2	Measured	0.045	Calculated	833.9	Measured	0.105	Calculated	429.4	Measured	0.054	Measured	7951	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	13	1	757		366.3	Measured	0.046	Calculated	829.4	Measured	0.105	Calculated	482.4	Measured	0.061	Measured	7907.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	14	1	756		554.8	Measured	0.071	Calculated	825.3	Measured	0.105	Calculated	535.1	Measured	0.068	Measured	7868.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	15	1	757		501.6	Measured	0.064	Calculated	823.4	Measured	0.105	Calculated	557.4	Measured	0.071	Measured	7851.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	16	1	757		495.6	Measured	0.064	Calculated	813.4	Measured	0.105	Calculated	550.6	Measured	0.071	Measured	7755.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	17	1	757		369.1	Measured	0.048	Calculated	808.5	Measured	0.105	Calculated	555	Measured	0.072	Measured	7708.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	18	1	757		392.9	Measured	0.051	Calculated	808	Measured	0.105	Calculated	570.1	Measured	0.074	Measured	7704.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	19	1	757		408.8	Measured	0.054	Calculated	801.1	Measured	0.105	Calculated	542.3	Measured	0.071	Measured	7638.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	20	1	757		375.9	Measured	0.049	Calculated	810.2	Measured	0.105	Calculated	525.3	Measured	0.068	Measured	7725	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	21	1	758		366	Measured	0.048	Calculated	803.5	Measured	0.105	Calculated	521	Measured	0.068	Measured	7661.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	22	1	757		324.7	Measured	0.042	Calculated	805.2	Measured	0.105	Calculated	468.3	Measured	0.061	Measured	7677.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/23/2025	23	1	757		216.6	Measured	0.028	Calculated	799	Measured	0.105	Calculated	396.1	Measured	0.052	Measured	7618.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	0	1	757		259.8	Measured	0.034	Calculated	809.1	Measured	0.105	Calculated	362.6	Measured	0.047	Measured	7714.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	1	1	758		309.1	Measured	0.04	Calculated	811.7	Measured	0.105	Calculated	356	Measured	0.046	Measured	7739.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	2	1	758		344	Measured	0.044	Calculated	813	Measured	0.105	Calculated	341.1	Measured	0.044	Measured	7752.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	3	1	757		374.1	Measured	0.048	Calculated	812.4	Measured	0.105	Calculated	317.6	Measured	0.041	Measured	7745.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	4	1	757		396.1	Measured	0.051	Calculated	812	Measured	0.105	Calculated	325.2	Measured	0.042	Measured	7741.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	5	1	757		683.8	Measured	0.09	Calculated	798.7	Measured	0.105	Calculated	342.7	Measured	0.045	Measured	7615.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	6	1	757		1020.8	Measured	0.136	Calculated	788	Measured	0.105	Calculated	353.1	Measured	0.047	Measured	7513.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	7	1	757		808.8	Measured	0.107	Calculated	794.5	Measured	0.105	Calculated	348.5	Measured	0.046	Measured	7575.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	8	1	757		585.9	Measured	0.072	Calculated	849.6	Measured	0.105	Calculated	340.2	Measured	0.042	Measured	8100.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	9	1	757		458.8	Measured	0.056	Calculated	852.4	Measured	0.105	Calculated	341.4	Measured	0.042	Measured	8127.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	10	1	757		398.2	Measured	0.05	Calculated	827.1	Measured	0.105	Calculated	354.9	Measured	0.045	Measured	7886.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	11	1	757		362.1	Measured	0.046	Calculated	819.8	Measured	0.105	Calculated	367.4	Measured	0.047	Measured	7816.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	12	1	758		344.6	Measured	0.044	Calculated	816.2	Measured	0.105	Calculated	381.3	Measured	0.049	Measured	7781.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	13	1	757		335.5	Measured	0.043	Calculated	813.2	Measured	0.105	Calculated	379.9	Measured	0.049	Measured	7753.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	14	1	758		296.9	Measured	0.039	Calculated	808.7	Measured	0.105	Calculated	501.2	Measured	0.065	Measured	7710.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	15	1	758		306	Measured	0.04	Calculated	810.4	Measured	0.105	Calculated	540.9	Measured	0.07	Measured	7727.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	16	1	758		384.6	Measured	0.049	Calculated	815.9	Measured	0.105	Calculated	536.8	Measured	0.069	Measured	7779.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	17	1	757		345.9	Measured	0.045	Calculated	814.9	Measured	0.105	Calculated	528.3	Measured	0.068	Measured	7769.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	18	1	758		444.2	Measured	0.057	Calculated	814.3	Measured	0.105	Calculated	535.7	Measured	0.069	Measured	7764.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	19	1	758		384.2	Measured	0.049	Calculated	815.1	Measured	0.105	Calculated	528.5	Measured	0.068	Measured	7771.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	20	1	758		389.9	Measured	0.05	Calculated	814.2	Measured	0.105	Calculated	535.7	Measured	0.069	Measured	7763.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	21	1	758		421	Measured	0.054	Calculated	819.2	Measured	0.105	Calculated	546.8	Measured	0.07	Measured	7810.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	22	1	757		375.4	Measured	0.048	Calculated	813.5	Measured	0.105	Calculated	442.1	Measured	0.057	Measured	7756.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/24/2025	23	1	757		371.9	Measured	0.048	Calculated	814.5	Measured	0.105	Calculated	411.6	Measured	0.053	Measured	7766.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	0	1	759		388.3	Measured	0.05	Calculated	815.2	Measured	0.105	Calculated	419.7	Measured	0.054	Measured	7772.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	1	1	758		387.7	Measured	0.05	Calculated	820.8	Measured	0.105	Calculated	414.8	Measured	0.053	Measured	7826.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	2	1	758		379.4	Measured	0.05	Calculated	799.7	Measured	0.105	Calculated	419.3	Measured	0.055	Measured	7624.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	3	1	758		385.5	Measured	0.051	Calculated	799.8	Measured	0.105	Calculated	411.8	Measured	0.054	Measured	7625.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	4	1	758		369.4	Measured	0.048	Calculated	799.6	Measured	0.105	Calculated	419.3	Measured	0.055	Measured	7624	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	5	1	757		393.7	Measured	0.051	Calculated	813.9	Measured	0.105	Calculated	442.3	Measured	0.057	Measured	7760.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	6	1	759		434.6	Measured	0.056	Calculated	811.5	Measured	0.105	Calculated	433.3	Measured and Su	0.056	Substitute	7737	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	7	1	758		361.5	Measured	0.046	Calculated	827.5	Measured	0.105	Calculated	441.9	Measured and Su	0.056	Substitute	7890.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	8	1	758		350	Measured	0.042	Calculated	877.2	Measured	0.105	Calculated	468.4	Measured	0.056	Measured	8364.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	9	1	758		507.4	Measured	0.062	Calculated	853.9	Measured	0.105	Calculated	480.3	Measured	0.059	Measured	8141.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	10	1	759		346.5	Measured	0.043	Calculated	843.9	Measured	0.105	Calculated	402.3	Measured	0.05	Measured	8046.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	11	1	758		372.3	Measured	0.047	Calculated	836.1	Measured	0.105	Calculated	358.7	Measured	0.045	Measured	7972.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	12	1	758		376.7	Measured	0.047	Calculated	837.1	Measured	0.105	Calculated	375.1	Measured	0.047	Measured	7981.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		7/25/2025	13	1	759		370.3	Measured	0.046	Calculated	836.3	Measured	0.105	Calculated	366.8	Measured	0.046	Measured	7973.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	14	1	759		536.9	Measured	0.068	Calculated	825.4	Measured	0.105	Calculated	369.9	Measured	0.047	Measured	7870	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	15	1	758		417.9	Measured	0.053	Calculated	821	Measured	0.105	Calculated	391.4	Measured	0.05	Measured	7827.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	16	1	757		406.5	Measured	0.052	Calculated	818.2	Measured	0.105	Calculated	366.6	Measured	0.047	Measured	7801	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	17	1	757		402.1	Measured	0.051	Calculated	821.4	Measured	0.105	Calculated	368.1	Measured	0.047	Measured	7832.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	18	1	758		375.7	Measured	0.048	Calculated	821	Measured	0.105	Calculated	383.5	Measured	0.049	Measured	7827.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	19	1	759		338.5	Measured	0.043	Calculated	816.4	Measured	0.105	Calculated	506	Measured	0.065	Measured	7784.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	20	1	758		346	Measured	0.045	Calculated	815.1	Measured	0.105	Calculated	559.6	Measured	0.072	Measured	7771.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	21	1	758		310.7	Measured	0.04	Calculated	824.4	Measured	0.105	Calculated	550.2	Measured	0.07	Measured	7860.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	22	1	759		348.7	Measured	0.044	Calculated	823.6	Measured	0.105	Calculated	526.1	Measured	0.067	Measured	7852.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/25/2025	23	1	758		377.4	Measured	0.048	Calculated	831.6	Measured	0.105	Calculated	507.4	Measured	0.064	Measured	7928.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	0	1	758		392.1	Measured	0.05	Calculated	821.5	Measured	0.105	Calculated	485.7	Measured	0.062	Measured	7833.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	1	1	757		368	Measured	0.047	Calculated	821.7	Measured	0.105	Calculated	454.4	Measured	0.058	Measured	7834.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	2	1	758		382.3	Measured	0.048	Calculated	829	Measured	0.105	Calculated	450.6	Measured	0.057	Measured	7904.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	3	1	759		388.8	Measured	0.049	Calculated	830	Measured	0.105	Calculated	490.7	Measured	0.062	Measured	7914.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	4	1	758		363.7	Measured	0.046	Calculated	828	Measured	0.105	Calculated	489.5	Measured	0.062	Measured	7895.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	5	1	758		410.5	Measured	0.052	Calculated	822.3	Measured	0.105	Calculated	478.3	Measured	0.061	Measured	7840.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	6	1	759		521	Measured	0.066	Calculated	828.9	Measured	0.105	Calculated	513.7	Measured	0.065	Measured	7903.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	7	1	758		506.5	Measured	0.064	Calculated	828.1	Measured	0.105	Calculated	458	Measured	0.058	Measured	7896.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	8	1	759		606.9	Measured	0.077	Calculated	822.7	Measured	0.105	Calculated	643.2	Measured	0.082	Measured	7843.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	9	1	760		355.9	Measured	0.045	Calculated	826.2	Measured	0.105	Calculated	543.6	Measured	0.069	Measured	7877.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	10	1	759		368.1	Measured	0.047	Calculated	826.4	Measured	0.105	Calculated	496.4	Measured	0.063	Measured	7879.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	11	1	758		368.6	Measured	0.047	Calculated	827.5	Measured	0.105	Calculated	465.5	Measured	0.059	Measured	7889.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	12	1	759		378	Measured	0.048	Calculated	823.4	Measured	0.105	Calculated	518.2	Measured	0.066	Measured	7850.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	13	1	759		370.2	Measured	0.047	Calculated	824.1	Measured	0.105	Calculated	534.3	Measured	0.068	Measured	7857.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	14	1	759		436	Measured	0.056	Calculated	821.7	Measured	0.105	Calculated	524.9	Measured	0.067	Measured	7834.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	15	1	759		390.7	Measured	0.05	Calculated	820.3	Measured	0.105	Calculated	539.7	Measured	0.069	Measured	7821.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	16	1	758		430.8	Measured	0.056	Calculated	812.6	Measured	0.105	Calculated	612.1	Measured	0.079	Measured	7747.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	17	1	759		346.9	Measured	0.044	Calculated	822	Measured	0.105	Calculated	642.7	Measured	0.082	Measured	7838	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	18	1	759		347.5	Measured	0.045	Calculated	816.4	Measured	0.105	Calculated	661.6	Measured	0.085	Measured	7783.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	19	1	759		427.8	Measured	0.055	Calculated	821.5	Measured	0.105	Calculated	595.3	Measured	0.076	Measured	7832.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	20	1	759		431.3	Measured	0.055	Calculated	824.3	Measured	0.105	Calculated	542.3	Measured	0.069	Measured	7859.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	21	1	760		367.2	Measured	0.047	Calculated	826.5	Measured	0.105	Calculated	591	Measured	0.075	Measured	7880.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	22	1	759		369.5	Measured	0.047	Calculated	827.2	Measured	0.105	Calculated	567.9	Measured	0.072	Measured	7886.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/26/2025	23	1	760		391.3	Measured	0.05	Calculated	825.8	Measured	0.105	Calculated	330.7	Measured	0.042	Measured	7874	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	0	1	760		381.5	Measured	0.049	Calculated	824	Measured	0.105	Calculated	361.4	Measured	0.046	Measured	7856.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	1	1	759		392.7	Measured	0.05	Calculated	826	Measured	0.105	Calculated	433.1	Measured	0.055	Measured	7875.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	2	1	760		410	Measured	0.053	Calculated	816.5	Measured	0.105	Calculated	607.2	Measured	0.078	Measured	7785.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	3	1	760		397.6	Measured	0.051	Calculated	816.3	Measured	0.105	Calculated	521.5	Measured	0.067	Measured	7783.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	4	1	758		398.4	Measured	0.051	Calculated	817.9	Measured	0.105	Calculated	428.9	Measured	0.055	Measured	7798.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	5	1	759		396.2	Measured	0.05	Calculated	824.7	Measured	0.105	Calculated	440.3	Measured	0.056	Measured	7863	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	6	1	761		453.9	Measured	0.058	Calculated	825.1	Measured	0.105	Calculated	487.8	Measured	0.062	Measured	7867.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	7	1	748		448.7	Measured	0.058	Calculated	815.8	Measured	0.105	Calculated	420	Measured	0.054	Measured	7778	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	8	1	648		272.6	Measured	0.039	Calculated	728	Measured	0.105	Calculated	208.2	Measured	0.03	Measured	6941.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	9	1	711		437.6	Measured	0.058	Calculated	792.3	Measured	0.105	Calculated	317.3	Measured	0.042	Measured	7554.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	10	1	670		248.2	Measured	0.034	Calculated	759.8	Measured	0.105	Calculated	173.9	Measured	0.024	Measured	7244.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	11	1	670		273.2	Measured	0.038	Calculated	758.4	Measured	0.105	Calculated	195.2	Measured	0.027	Measured	7230.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	12	1	693		376.1	Measured	0.05	Calculated	781.6	Measured	0.105	Calculated	313	Measured	0.042	Measured	7452.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	13	1	762		456.8	Measured	0.057	Calculated	837.4	Measured	0.105	Calculated	455.1	Measured	0.057	Measured	7984.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	14	1	760		558.7	Measured	0.07	Calculated	836.2	Measured	0.105	Calculated	438.5	Measured	0.055	Measured	7973	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	15	1	759		389.7	Measured	0.049	Calculated	826.8	Measured	0.105	Calculated	417.8	Measured	0.053	Measured	7883.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	16	1	759		384.3	Measured	0.049	Calculated	823.8	Measured	0.105	Calculated	416.3	Measured	0.053	Measured	7854.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	17	1	759		398.5	Measured	0.051	Calculated	823.9	Measured	0.105	Calculated	424.2	Measured	0.054	Measured	7855.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	18	1	761		403.4	Measured	0.052	Calculated	821.3	Measured	0.105	Calculated	328.9	Measured	0.042	Measured	7831.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	19	1	761		377.7	Measured	0.048	Calculated	822.8	Measured	0.105	Calculated	368.7	Measured	0.047	Measured	7845.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	20	1	759		372.6	Measured	0.047	Calculated	825	Measured	0.105	Calculated	369.7	Measured	0.047	Measured	7866.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	21	1	760		384.9	Measured	0.049	Calculated	832.1	Measured	0.105	Calculated	372.9	Measured	0.047	Measured	7933.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	22	1	760		398.4	Measured	0.05	Calculated	830.6	Measured	0.105	Calculated	372.2	Measured	0.047	Measured	7919.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/27/2025	23	1	759		372.8	Measured	0.047	Calculated	832.5	Measured	0.105	Calculated	396.9	Measured	0.05	Measured	7937.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	0	1	760		355.4	Measured	0.045	Calculated	834.7	Measured	0.105	Calculated	461.6	Measured	0.058	Measured	7958.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	1	1	760		374.6	Measured	0.047	Calculated	831.9	Measured	0.105	Calculated	468	Measured	0.059	Measured	7932	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	2	1	760		379.6	Measured	0.048	Calculated	836.5	Measured	0.105	Calculated	446.7	Measured	0.056	Measured	7976	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	3	1	760		362.1	Measured	0.045	Calculated	838.1	Measured	0.105	Calculated	463.5	Measured	0.058	Measured	7991.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	4	1	759		367	Measured	0.046	Calculated	833.2	Measured	0.105	Calculated	500.5	Measured	0.063	Measured	7944.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	5	1	759		370	Measured	0.046	Calculated	837.6	Measured	0.105	Calculated	495.1	Measured	0.062	Measured	7986.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	6	1	761		595	Measured	0.073	Calculated	850.7	Measured	0.105	Calculated	502.9	Measured	0.062	Measured	8111.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	7	1	760		427.5	Measured	0.053	Calculated	841.8	Measured	0.105	Calculated	505.7	Measured	0.063	Measured	8026.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	8	1	757		348.4	Measured	0.044	Calculated	832.4	Measured	0.105	Calculated	674.6	Measured	0.085	Measured	7937	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	9	1	759		351.9	Measured	0.044	Calculated	836.1	Measured	0.105	Calculated	629.8	Measured	0.079	Measured	7972	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	10	1	761		336.9	Measured	0.042	Calculated	834.2	Measured	0.105	Calculated	302.2	Measured	0.038	Measured	7953.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	11	1	741		355.6	Measured	0.046	Calculated	814.1	Measured	0.105	Calculated	1963.9	Measured	0.253	Measured	7762.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	12	1	712		325	Measured	0.043	Calculated	796.1	Measured	0.105	Calculated	1571.3	Measured	0.207	Measured	7590.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	13	1	720		348.8	Measured	0.046	Calculated	800.8	Measured	0.105	Calculated	1351.4	Measured	0.177	Measured	7634.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	14	1	720		374.2	Measured	0.049	Calculated	806.5	Measured	0.105	Calculated	1422.6	Measured	0.185	Measured	7689.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	15	1	719		363.9	Measured	0.047	Calculated	805.6	Measured	0.105	Calculated	1897.3	Measured	0.247	Measured	7681.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	16	1	718		365.8	Measured	0.048	Calculated	801.2	Measured	0.105	Calculated	1466.6	Measured	0.192	Measured	7638.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	17	1	718		374.6	Measured	0.049	Calculated	803.1	Measured	0.105	Calculated	1853	Measured	0.242	Measured	7657.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	18	1	718		360.3	Measured	0.047	Calculated	806.6	Measured	0.105	Calculated	1915.1	Measured	0.249	Measured	7691.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	19	1	658		292.5	Measured	0.041	Calculated	745.1	Measured	0.105	Calculated	1271.6	Measured	0.179	Measured	7104.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	20	1	651		348.6	Measured	0.049	Calculated	744.1	Measured	0.105	Calculated	631.5	Measured	0.089	Measured	7095.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	21	1	715		435.3	Measured	0.056	Calculated	809.1	Measured	0.105	Calculated	532.3	Measured	0.069	Measured	7714.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	22	1	719		383.5	Measured	0.05	Calculated	805.2	Measured	0.105	Calculated	453	Measured	0.059	Measured	7677.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/28/2025	23	1	718		349.8	Measured	0.046	Calculated	800.8	Measured	0.105	Calculated	435.2	Measured	0.057	Measured	7635.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	0	1	720		253.7	Measured	0.033	Calculated	809.5	Measured	0.105	Calculated	432.3	Measured	0.056	Measured	7718.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	1	1	718		319.1	Measured	0.041	Calculated	808.1	Measured	0.105	Calculated	416.1	Measured	0.054	Measured	7705	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	2	1	719		363.5	Measured	0.047	Calculated	816.1	Measured	0.105	Calculated	396.8	Measured	0.051	Measured	7780.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	3	1	719		352.1	Measured	0.046	Calculated	810.6	Measured	0.105	Calculated	401.9	Measured	0.052	Measured	7729	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	4	1	717		359.9	Measured	0.046	Calculated	816.9	Measured	0.105	Calculated	397.3	Measured	0.051	Measured	7789.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	5	1	718		369.5	Measured	0.048	Calculated	809.3	Measured	0.105	Calculated	385.8	Measured	0.05	Measured	7716.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	6	1	724		416.7	Measured	0.053	Calculated	822.5	Measured	0.105	Calculated	423.5	Measured	0.054	Measured	7842.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	7	1	736		508.8	Measured	0.064	Calculated	828.7	Measured	0.105	Calculated	410.9	Measured	0.052	Measured	7901.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	8	1	759		398.9	Measured	0.05	Calculated	842.9	Measured	0.105	Calculated	707.3	Measured	0.088	Measured	8037	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	9	1	761		414.6	Measured	0.052	Calculated	841.5	Measured	0.105	Calculated	1845.4	Measured	0.23	Measured	8023.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	10	1	760		404.8	Measured	0.051	Calculated	838.2	Measured	0.105	Calculated	1814.1	Measured	0.227	Measured	7991.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	11	1	760		376.9	Measured	0.047	Calculated	846.6	Measured	0.105	Calculated	637.7	Measured	0.079	Measured	8071.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	12	1	761		367.6	Measured	0.046	Calculated	843.9	Measured	0.105	Calculated	458.6	Measured	0.057	Measured	8046.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	13	1	761		366.3	Measured	0.046	Calculated	838.6	Measured	0.105	Calculated	423.8	Measured	0.053	Measured	7996	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	14	1	761		448	Measured	0.056	Calculated	839.1	Measured	0.105	Calculated	408	Measured	0.051	Measured	8000.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	15	1	760		480	Measured	0.061	Calculated	831.1	Measured	0.105	Calculated	372.4	Measured	0.047	Measured	7924.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	16	1	760		373.6	Measured	0.047	Calculated	832.1	Measured	0.105	Calculated	372.9	Measured	0.047	Measured	7933.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	17	1	760		365.1	Measured	0.046	Calculated	824.3	Measured	0.105	Calculated	353.7	Measured	0.045	Measured	7859.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	18	1	760		345.8	Measured	0.044	Calculated	826.4	Measured	0.105	Calculated	386.1	Measured	0.049	Measured	7879.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	19	1	761		375.5	Measured	0.048	Calculated	824.9	Measured	0.105	Calculated	361.8	Measured	0.046	Measured	7865.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	20	1	761		356.9	Measured	0.045	Calculated	828.6	Measured	0.105	Calculated	331.8	Measured	0.042	Measured	7900.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	21	1	761		330.5	Measured	0.042	Calculated	828.6	Measured	0.105	Calculated	363.4	Measured	0.046	Measured	7900.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	22	1	761		369.9	Measured	0.047	Calculated	830.5	Measured	0.105	Calculated	388	Measured	0.049	Measured	7918.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/29/2025	23	1	622		136	Measured	0.02	Calculated	713.1	Measured	0.105	Calculated	122.4	Measured	0.018	Measured	6799.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	0	1	606		473.5	Measured	0.071	Calculated	703.9	Measured	0.105	Calculated	731.5	Measured	0.109	Measured	6711	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	1	1	605		531.5	Measured	0.081	Calculated	692	Measured	0.105	Calculated	217.7	Measured	0.033	Measured	6598.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	2	1	605		473.6	Measured	0.072	Calculated	693.5	Measured	0.105	Calculated	224.8	Measured	0.034	Measured	6612.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	3	1	604		481.9	Measured	0.073	Calculated	692.5	Measured	0.105	Calculated	231.1	Measured	0.035	Measured	6602.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	4	1	624		516	Measured	0.076	Calculated	711.3	Measured	0.105	Calculated	298.4	Measured	0.044	Measured	6781.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	5	1	640		522.4	Measured	0.075	Calculated	728.9	Measured	0.105	Calculated	347.5	Measured	0.05	Measured	6949.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	6	1	735		630.5	Measured	0.081	Calculated	814.5	Measured	0.105	Calculated	473.7	Measured	0.061	Measured	7765.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	7	1	760		680.2	Measured	0.087	Calculated	824	Measured	0.105	Calculated	565.6	Measured	0.072	Measured	7856.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	8	1	759		689.1	Measured	0.088	Calculated	825.1	Measured	0.105	Calculated	409.1	Measured	0.052	Measured	7866.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	9	1	760		670	Measured	0.085	Calculated	823.6	Measured	0.105	Calculated	329.8	Measured	0.042	Measured	7853	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	10	1	760		708.3	Measured	0.09	Calculated	822	Measured	0.105	Calculated	376.2	Measured	0.048	Measured	7837.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	11	1	759		632.3	Measured	0.081	Calculated	821	Measured	0.105	Calculated	367.9	Measured	0.047	Measured	7828.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	12	1	760		403.3	Measured	0.051	Calculated	822.6	Measured	0.105	Calculated	360.8	Measured	0.046	Measured	7843.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	13	1	761		389.3	Measured	0.049	Calculated	835.4	Measured	0.105	Calculated	334.6	Measured	0.042	Measured	7965.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	14	1	760		509.2	Measured	0.064	Calculated	835.9	Measured	0.105	Calculated	358.7	Measured	0.045	Measured	7970	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	15	1	760		395.5	Measured	0.05	Calculated	835.7	Measured	0.105	Calculated	366.5	Measured	0.046	Measured	7968	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	16	1	760		347.4	Measured	0.044	Calculated	837.1	Measured	0.105	Calculated	359.2	Measured	0.045	Measured	7981.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	17	1	759		340.7	Measured	0.043	Calculated	828.7	Measured	0.105	Calculated	331.9	Measured	0.042	Measured	7901.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	18	1	760		362.7	Measured	0.046	Calculated	827.9	Measured	0.105	Calculated	363.1	Measured	0.046	Measured	7893.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	19	1	761		336.1	Measured	0.043	Calculated	827.3	Measured	0.105	Calculated	370.8	Measured	0.047	Measured	7888.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	20	1	759		319.1	Measured	0.041	Calculated	825.2	Measured	0.105	Calculated	369.8	Measured	0.047	Measured	7868.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	21	1	760		344.2	Measured	0.044	Calculated	822.6	Measured	0.105	Calculated	290.2	Measured	0.037	Measured	7843.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	22	1	759		357.2	Measured	0.045	Calculated	824.7	Measured	0.105	Calculated	267.3	Measured	0.034	Measured	7863.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/30/2025	23	1	759		353	Measured	0.045	Calculated	831.1	Measured	0.105	Calculated	285.3	Measured	0.036	Measured	7924.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	0	1	760		373.9	Measured	0.047	Calculated	825.7	Measured	0.105	Calculated	283.4	Measured	0.036	Measured	7873.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	1	1	760		371.5	Measured	0.047	Calculated	820.5	Measured	0.105	Calculated	273.8	Measured	0.035	Measured	7823.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	2	1	759		366.3	Measured	0.047	Calculated	822.3	Measured	0.105	Calculated	282.3	Measured	0.036	Measured	7840.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	3	1	759		367.6	Measured	0.047	Calculated	827.7	Measured	0.105	Calculated	284.1	Measured	0.036	Measured	7892.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	4	1	759		364.6	Measured	0.046	Calculated	830.1	Measured	0.105	Calculated	292.8	Measured	0.037	Measured	7914.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	5	1	760		376	Measured	0.047	Calculated	835.4	Measured	0.105	Calculated	374.4	Measured	0.047	Measured	7965	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	6	1	760		354	Measured	0.044	Calculated	842.5	Measured	0.105	Calculated	353.4	Measured	0.044	Measured	8032.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	7	1	759		343.8	Measured	0.043	Calculated	842.2	Measured	0.105	Calculated	369.4	Measured	0.046	Measured	8030.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		7/31/2025	8	1	759		422.4	Measured	0.053	Calculated	835.7	Measured	0.105	Calculated	366.5	Measured	0.046	Measured	7968.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	9	1	759		876.1	Measured	0.112	Calculated	821.7	Measured	0.105	Calculated	485.7	Measured	0.062	Measured	7834.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	10	1	758		640.7	Measured	0.083	Calculated	814.1	Measured	0.105	Calculated	349.3	Measured	0.045	Measured	7762.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	11	1	759		243.5	Measured	0.031	Calculated	822.5	Measured	0.105	Calculated	462.7	Measured	0.059	Measured	7841.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	12	1	758		669.1	Measured	0.086	Calculated	819.5	Measured	0.105	Calculated	461	Measured	0.059	Measured	7814.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	13	1	759		361.2	Measured	0.046	Calculated	824.6	Measured	0.105	Calculated	542.5	Measured	0.069	Measured	7862.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	14	1	759		419.4	Measured	0.053	Calculated	830.8	Measured	0.105	Calculated	578.2	Measured	0.073	Measured	7921	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	15	1	758		374.5	Measured	0.048	Calculated	825.1	Measured	0.105	Calculated	409.1	Measured	0.052	Measured	7867	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	16	1	757		391	Measured	0.049	Calculated	833.1	Measured	0.105	Calculated	460.7	Measured	0.058	Measured	7943.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	17	1	758		287.9	Measured	0.036	Calculated	836.4	Measured	0.105	Calculated	510.4	Measured	0.064	Measured	7974.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	18	1	759		358.6	Measured	0.045	Calculated	837.1	Measured	0.105	Calculated	526.8	Measured	0.066	Measured	7981.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	19	1	758		333.8	Measured	0.042	Calculated	828.5	Measured	0.105	Calculated	521.4	Measured	0.066	Measured	7899.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	20	1	754		357.4	Measured	0.045	Calculated	827.2	Measured	0.105	Calculated	457.5	Measured	0.058	Measured	7887.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	21	1	754		336.3	Measured	0.043	Calculated	829.9	Measured	0.105	Calculated	451	Measured	0.057	Measured	7912.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	22	1	754		311.8	Measured	0.039	Calculated	834.3	Measured	0.105	Calculated	461.4	Measured	0.058	Measured	7955.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		7/31/2025	23	1	754		355.1	Measured	0.045	Calculated	836.1	Measured	0.105	Calculated	438.4	Measured	0.055	Measured	7971.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	0	1	644		265.7	Measured	0.038	Calculated	735.1	Measured	0.105	Calculated	357.4	Measured	0.051	Measured	7008.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	1	1	632		385.2	Measured	0.056	Calculated	727.2	Measured	0.105	Calculated	374.4	Measured	0.054	Measured	6933.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	2	1	631		396	Measured	0.057	Calculated	723.6	Measured	0.105	Calculated	372.6	Measured	0.054	Measured	6899.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	3	1	630		315.9	Measured	0.046	Calculated	723.3	Measured	0.105	Calculated	406.9	Measured	0.059	Measured	6896	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	4	1	630		267.1	Measured	0.039	Calculated	723.7	Measured	0.105	Calculated	379.5	Measured	0.055	Measured	6900.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	5	1	630		308.5	Measured	0.045	Calculated	716.6	Measured	0.105	Calculated	416.8	Measured	0.061	Measured	6832.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	6	1	631		325	Measured	0.047	Calculated	719.1	Measured	0.105	Calculated	418.3	Measured	0.061	Measured	6856.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	7	1	632		367.7	Measured	0.053	Calculated	724.1	Measured	0.105	Calculated	393.5	Measured	0.057	Measured	6903.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	8	1	631		235.4	Measured	0.034	Calculated	733.8	Measured	0.105	Calculated	384.8	Measured	0.055	Measured	6996.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	9	1	632		289.3	Measured	0.041	Calculated	743.4	Measured	0.105	Calculated	389.8	Measured	0.055	Measured	7088	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	10	1	631		344.6	Measured	0.049	Calculated	741.2	Measured	0.105	Calculated	360.4	Measured	0.051	Measured	7066.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	11	1	630		322.2	Measured	0.045	Calculated	743.9	Measured	0.105	Calculated	340.5	Measured	0.048	Measured	7093	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	12	1	633		317.9	Measured	0.045	Calculated	744.5	Measured	0.105	Calculated	362	Measured	0.051	Measured	7099	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	13	1	635		321	Measured	0.045	Calculated	741.1	Measured	0.105	Calculated	367.4	Measured	0.052	Measured	7066	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	14	1	636		368.8	Measured	0.052	Calculated	737.2	Measured	0.105	Calculated	358.5	Measured	0.051	Measured	7028.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	15	1	634		476.8	Measured	0.068	Calculated	734	Measured	0.105	Calculated	363.9	Measured	0.052	Measured	6998.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	16	1	634		284.3	Measured	0.041	Calculated	730.6	Measured	0.105	Calculated	348.3	Measured	0.05	Measured	6966.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	17	1	635		319.9	Measured	0.045	Calculated	742.8	Measured	0.105	Calculated	368.3	Measured	0.052	Measured	7082.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	18	1	636		294.8	Measured	0.042	Calculated	745	Measured	0.105	Calculated	390.7	Measured	0.055	Measured	7103.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	19	1	635		294.4	Measured	0.042	Calculated	726.5	Measured	0.105	Calculated	318.7	Measured	0.046	Measured	6927.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	20	1	534		193.4	Measured	0.033	Calculated	619.3	Measured	0.105	Calculated	189	Measured	0.032	Measured	5904.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	21	1	489		270.7	Measured	0.049	Calculated	579.5	Measured	0.105	Calculated	116	Measured	0.021	Measured	5525.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	22	1	487		258.5	Measured	0.046	Calculated	584.7	Measured	0.105	Calculated	172.8	Measured	0.031	Measured	5575.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/1/2025	23	1	487		270.6	Measured	0.049	Calculated	581.4	Measured	0.105	Calculated	243.9	Measured	0.044	Measured	5543.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	0	1	487		420.9	Measured	0.077	Calculated	577	Measured	0.105	Calculated	247.6	Measured	0.045	Measured	5501.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	1	1	487		293.6	Measured	0.053	Calculated	585.5	Measured	0.105	Calculated	262.4	Measured	0.047	Measured	5582.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	2	1	487		251.7	Measured	0.045	Calculated	587.1	Measured	0.105	Calculated	279.9	Measured	0.05	Measured	5597.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	3	1	485		278.1	Measured	0.05	Calculated	582.6	Measured	0.105	Calculated	283.3	Measured	0.051	Measured	5554.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	4	1	485		280.4	Measured	0.051	Calculated	578.8	Measured	0.105	Calculated	281.5	Measured	0.051	Measured	5518.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	5	1	486		423.4	Measured	0.076	Calculated	581.5	Measured	0.105	Calculated	282.8	Measured	0.051	Measured	5544.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	6	1	486		408.4	Measured	0.074	Calculated	582.5	Measured	0.105	Calculated	261	Measured	0.047	Measured	5554.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	7	1	485		656.5	Measured	0.119	Calculated	579.5	Measured	0.105	Calculated	210	Measured	0.038	Measured	5525.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	8	1	485		767.7	Measured	0.14	Calculated	573.5	Measured	0.105	Calculated	185.9	Measured	0.034	Measured	5468.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	9	1	486		801.7	Measured	0.148	Calculated	569.3	Measured	0.105	Calculated	173.7	Measured	0.032	Measured	5428.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	10	1	486		325.4	Measured	0.059	Calculated	574.6	Measured	0.105	Calculated	197.2	Measured	0.036	Measured	5478.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	11	1	486		73.5	Measured	0.013	Calculated	579.6	Measured	0.105	Calculated	204.5	Measured	0.037	Measured	5526.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	12	1	486		368.9	Measured	0.066	Calculated	582.2	Measured	0.105	Calculated	216.5	Measured	0.039	Measured	5550.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	13	1	486		517.8	Measured	0.094	Calculated	578.4	Measured	0.105	Calculated	193	Measured	0.035	Measured	5515	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	14	1	486		543.8	Measured	0.099	Calculated	574.5	Measured	0.105	Calculated	164.3	Measured	0.03	Measured	5478.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	15	1	486		541	Measured	0.099	Calculated	573.2	Measured	0.105	Calculated	169.4	Measured	0.031	Measured	5465.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	16	1	485		540.9	Measured	0.099	Calculated	571.5	Measured	0.105	Calculated	168.9	Measured	0.031	Measured	5448.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	17	1	486		574	Measured	0.105	Calculated	570.7	Measured	0.105	Calculated	163.2	Measured	0.03	Measured	5441.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	18	1	487		540.5	Measured	0.1	Calculated	565.7	Measured	0.105	Calculated	161.8	Measured	0.03	Measured	5394	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	19	1	486		576.1	Measured	0.107	Calculated	562.9	Measured	0.105	Calculated	161	Measured	0.03	Measured	5367.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	20	1	485		579.7	Measured	0.108	Calculated	563.5	Measured	0.105	Calculated	171.9	Measured	0.032	Measured	5372.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	21	1	485		568	Measured	0.106	Calculated	562.5	Measured	0.105	Calculated	171.6	Measured	0.032	Measured	5363.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	22	1	485		516.9	Measured	0.097	Calculated	560	Measured	0.105	Calculated	186.9	Measured	0.035	Measured	5339.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/2/2025	23	1	487		533.3	Measured	0.1	Calculated	559.4	Measured	0.105	Calculated	122.7	Measured	0.023	Measured	5333.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	0	1	589		554.8	Measured	0.087	Calculated	669.9	Measured	0.105	Calculated	242.7	Measured	0.038	Measured	6386.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	1	1	631		297	Measured	0.043	Calculated	716.4	Measured	0.105	Calculated	259.6	Measured	0.038	Measured	6831	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	2	1	630		299.8	Measured	0.044	Calculated	716.1	Measured	0.105	Calculated	232.1	Measured	0.034	Measured	6827.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	3	1	629		304.7	Measured	0.045	Calculated	716.5	Measured	0.105	Calculated	232.3	Measured	0.034	Measured	6831.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	4	1	629		308.9	Measured	0.045	Calculated	723.9	Measured	0.105	Calculated	248.5	Measured	0.036	Measured	6902.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	5	1	629		318.2	Measured	0.046	Calculated	724.2	Measured	0.105	Calculated	269.3	Measured	0.039	Measured	6904.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	6	1	631		272.7	Measured	0.039	Calculated	726.2	Measured	0.105	Calculated	443.2	Measured and S	0.064	Substitute	6924.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	7	1	630		315.8	Measured	0.045	Calculated	729.2	Measured	0.105	Calculated	445	Measured and S	0.064	Substitute	6952.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	8	1	631		330.5	Measured	0.047	Calculated	739.5	Measured	0.105	Calculated	451.3	Measured and S	0.064	Substitute	7051	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	9	1	649		272.4	Measured	0.038	Calculated	754.8	Measured	0.105	Calculated	460.6	Measured and S	0.064	Substitute	7196.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	10	1	702		443.3	Measured	0.058	Calculated	804.7	Measured	0.105	Calculated	391.3	Measured	0.051	Measured	7672.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	11	1	758		333.8	Measured	0.041	Calculated	845.7	Measured	0.105	Calculated	427.4	Measured	0.053	Measured	8063.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	12	1	758		385.2	Measured	0.048	Calculated	839.8	Measured	0.105	Calculated	384.3	Measured	0.048	Measured	8006.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	13	1	759		354.1	Measured	0.045	Calculated	831.5	Measured	0.105	Calculated	396.4	Measured	0.05	Measured	7928.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	14	1	760		392.5	Measured	0.05	Calculated	826.8	Measured	0.105	Calculated	417.8	Measured	0.053	Measured	7882.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	15	1	758		286.8	Measured	0.036	Calculated	825.3	Measured	0.105	Calculated	369.8	Measured	0.047	Measured	7868.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	16	1	759		483.6	Measured	0.062	Calculated	823.4	Measured	0.105	Calculated	353.3	Measured	0.045	Measured	7851.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	17	1	757		427.8	Measured	0.054	Calculated	823.7	Measured	0.105	Calculated	361.3	Measured	0.046	Measured	7854.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	18	1	759		241	Measured	0.031	Calculated	827.7	Measured	0.105	Calculated	386.7	Measured	0.049	Measured	7891.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	19	1	759		336.2	Measured	0.043	Calculated	827.6	Measured	0.105	Calculated	378.8	Measured	0.048	Measured	7891.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	20	1	759		375.3	Measured	0.048	Calculated	821.9	Measured	0.105	Calculated	368.3	Measured	0.047	Measured	7836.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	21	1	759		373.6	Measured	0.048	Calculated	822.6	Measured	0.105	Calculated	368.7	Measured	0.047	Measured	7843.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	22	1	759		390.7	Measured	0.05	Calculated	824.4	Measured	0.105	Calculated	408.7	Measured	0.052	Measured	7860.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/3/2025	23	1	758		367.4	Measured	0.047	Calculated	822.4	Measured	0.105	Calculated	439.1	Measured	0.056	Measured	7841.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	0	1	758		359.5	Measured	0.045	Calculated	830	Measured	0.105	Calculated	451.1	Measured	0.057	Measured	7913.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	1	1	759		401.6	Measured	0.051	Calculated	821.7	Measured	0.105	Calculated	430.9	Measured	0.055	Measured	7835.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	2	1	758		355.2	Measured	0.045	Calculated	829.4	Measured	0.105	Calculated	435	Measured	0.055	Measured	7908.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	3	1	758		345.2	Measured	0.044	Calculated	822.6	Measured	0.105	Calculated	454.9	Measured	0.058	Measured	7843.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	4	1	758		361.2	Measured	0.046	Calculated	822.3	Measured	0.105	Calculated	454.7	Measured	0.058	Measured	7840.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	5	1	758		367.8	Measured	0.047	Calculated	818.8	Measured	0.105	Calculated	452.8	Measured	0.058	Measured	7806.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	6	1	758		361.3	Measured	0.045	Calculated	836.3	Measured	0.105	Calculated	438.5	Measured	0.055	Measured	7973.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	7	1	759		514.9	Measured	0.064	Calculated	838.9	Measured	0.105	Calculated	463.9	Measured	0.058	Measured	7998.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	8	1	759		395.1	Measured	0.049	Calculated	844.4	Measured	0.105	Calculated	450.8	Measured	0.056	Measured	8050.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	9	1	759		336.8	Measured	0.042	Calculated	843	Measured	0.105	Calculated	474.2	Measured	0.059	Measured	8037.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	10	1	759		388.7	Measured	0.048	Calculated	841.2	Measured	0.105	Calculated	465.2	Measured	0.058	Measured	8020.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	11	1	757		365.1	Measured	0.046	Calculated	835.7	Measured	0.105	Calculated	462.2	Measured	0.058	Measured	7968.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	12	1	758		354	Measured	0.045	Calculated	831.3	Measured	0.105	Calculated	491.4	Measured	0.062	Measured	7926	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	13	1	758		359.3	Measured	0.045	Calculated	829.4	Measured	0.105	Calculated	482.4	Measured	0.061	Measured	7908	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	14	1	757		438.5	Measured	0.056	Calculated	821.9	Measured	0.105	Calculated	446.7	Measured	0.057	Measured	7836.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	15	1	757		365.1	Measured	0.047	Calculated	819.6	Measured	0.105	Calculated	445.4	Measured	0.057	Measured	7814.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	16	1	756		414.4	Measured	0.053	Calculated	814	Measured	0.105	Calculated	457.9	Measured	0.059	Measured	7761.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	17	1	757		338	Measured	0.043	Calculated	817.2	Measured	0.105	Calculated	475.3	Measured	0.061	Measured	7791.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	18	1	757		350.2	Measured	0.045	Calculated	815.6	Measured	0.105	Calculated	482.1	Measured	0.062	Measured	7776.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	19	1	756		371.5	Measured	0.048	Calculated	818	Measured	0.105	Calculated	452.4	Measured	0.058	Measured	7799.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	20	1	756		366	Measured	0.047	Calculated	819.3	Measured	0.105	Calculated	437.5	Measured	0.056	Measured	7812.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	21	1	755		339.1	Measured	0.043	Calculated	822.8	Measured	0.105	Calculated	455	Measured	0.058	Measured	7845.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	22	1	757		344.1	Measured	0.044	Calculated	825	Measured	0.105	Calculated	479.8	Measured	0.061	Measured	7865.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/4/2025	23	1	756		362.4	Measured	0.046	Calculated	820.4	Measured	0.105	Calculated	477.2	Measured	0.061	Measured	7822.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	0	1	757		367.9	Measured	0.047	Calculated	823.5	Measured	0.105	Calculated	486.8	Measured	0.062	Measured	7852	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	1	1	757		355.6	Measured	0.045	Calculated	823.2	Measured	0.105	Calculated	486.7	Measured	0.062	Measured	7849.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	2	1	757		339.3	Measured	0.043	Calculated	823.3	Measured	0.105	Calculated	494.5	Measured	0.063	Measured	7849.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	3	1	757		355.9	Measured	0.045	Calculated	824.1	Measured	0.105	Calculated	510.7	Measured	0.065	Measured	7857.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	4	1	756		384	Measured	0.049	Calculated	830.2	Measured	0.105	Calculated	498.7	Measured	0.063	Measured	7915.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	5	1	757		357.8	Measured	0.045	Calculated	830.7	Measured	0.105	Calculated	491.1	Measured	0.062	Measured	7920.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	6	1	758		358.4	Measured	0.045	Calculated	839.2	Measured	0.105	Calculated	488.1	Measured	0.061	Measured	8001.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	7	1	757		356.7	Measured	0.044	Calculated	846.8	Measured	0.105	Calculated	476.4	Measured	0.059	Measured	8074.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	8	1	757		471.7	Measured	0.059	Calculated	841.1	Measured	0.105	Calculated	489.2	Measured	0.061	Measured	8020.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	9	1	757		414.2	Measured	0.051	Calculated	850.6	Measured	0.105	Calculated	494.7	Measured	0.061	Measured	8110.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	10	1	758		357.4	Measured	0.044	Calculated	843.6	Measured	0.105	Calculated	474.6	Measured	0.059	Measured	8043.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	11	1	757		365.9	Measured	0.046	Calculated	837.6	Measured	0.105	Calculated	455.2	Measured	0.057	Measured	7986.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	12	1	757		367.3	Measured	0.046	Calculated	843.2	Measured	0.105	Calculated	402	Measured	0.05	Measured	8039.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	13	1	756		499.7	Measured	0.063	Calculated	833.8	Measured	0.105	Calculated	397.5	Measured	0.05	Measured	7949.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	14	1	756		745.2	Measured	0.096	Calculated	817.3	Measured	0.105	Calculated	405.2	Measured	0.052	Measured	7792.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	15	1	756		757.8	Measured	0.098	Calculated	809.4	Measured	0.105	Calculated	517.1	Measured	0.067	Measured	7717.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	16	1	757		766.8	Measured	0.099	Calculated	810.7	Measured	0.105	Calculated	564.3	Measured	0.073	Measured	7729.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	17	1	756		754.8	Measured	0.097	Calculated	814.9	Measured	0.105	Calculated	559.4	Measured	0.072	Measured	7769.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	18	1	757		463.3	Measured	0.059	Calculated	822.3	Measured	0.105	Calculated	556.7	Measured	0.071	Measured	7840.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	19	1	758		324.9	Measured	0.041	Calculated	823.1	Measured	0.105	Calculated	549.3	Measured	0.07	Measured	7847.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	20	1	757		254.7	Measured	0.033	Calculated	819.8	Measured	0.105	Calculated	445.5	Measured	0.057	Measured	7816.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	21	1	757		233.8	Measured	0.03	Calculated	823.5	Measured	0.105	Calculated	447.5	Measured	0.057	Measured	7851.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	22	1	757		233.6	Measured	0.03	Calculated	822.9	Measured	0.105	Calculated	431.5	Measured	0.055	Measured	7845.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/5/2025	23	1	757		236.7	Measured	0.03	Calculated	833.3	Measured	0.105	Calculated	429.1	Measured	0.054	Measured	7945.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	0	1	758		234.7	Measured	0.03	Calculated	833.4	Measured	0.105	Calculated	421.1	Measured	0.053	Measured	7945.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	1	1	758		226.4	Measured	0.029	Calculated	825.4	Measured	0.105	Calculated	432.8	Measured	0.055	Measured	7869.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	2	1	758		230.7	Measured	0.029	Calculated	826.8	Measured	0.105	Calculated	425.7	Measured	0.054	Measured	7883.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		8/6/2025	3	1	758		262.4	Measured	0.033	Calculated	832.3	Measured	0.105	Calculated	428.5	Measured	0.054	Measured	7935.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	4	1	758		260.3	Measured	0.033	Calculated	832	Measured	0.105	Calculated	420.5	Measured	0.053	Measured	7933.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	5	1	758		270.5	Measured	0.034	Calculated	832.5	Measured	0.105	Calculated	428.7	Measured	0.054	Measured	7938.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	6	1	652		151.8	Measured	0.022	Calculated	723.5	Measured	0.105	Calculated	220.7	Measured	0.032	Measured	6898.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	7	1	550		149.5	Measured	0.024	Calculated	646.2	Measured	0.105	Calculated	209.5	Measured	0.034	Measured	6161.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	8	1	552		176.4	Measured	0.029	Calculated	646.9	Measured	0.105	Calculated	185	Measured	0.03	Measured	6168.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	9	1	553		178.5	Measured	0.029	Calculated	642.5	Measured	0.105	Calculated	171.5	Measured	0.028	Measured	6125.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	10	1	553		142.8	Measured	0.023	Calculated	638.2	Measured	0.105	Calculated	152.1	Measured	0.025	Measured	6084.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	11	1	553		219	Measured	0.036	Calculated	633.6	Measured	0.105	Calculated	163.1	Measured	0.027	Measured	6041.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	12	1	553		231.4	Measured	0.039	Calculated	628.5	Measured	0.105	Calculated	149.8	Measured	0.025	Measured	5993	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	13	1	553		171.3	Measured	0.029	Calculated	629.9	Measured	0.105	Calculated	162.2	Measured	0.027	Measured	6006.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	14	1	553		214.2	Measured	0.036	Calculated	628.8	Measured	0.105	Calculated	161.9	Measured	0.027	Measured	5995.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	15	1	553		315.2	Measured	0.053	Calculated	627	Measured	0.105	Calculated	173.4	Measured	0.029	Measured	5977.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	16	1	552		341.4	Measured	0.057	Calculated	624.4	Measured	0.105	Calculated	148.8	Measured	0.025	Measured	5953.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	17	1	551		316.1	Measured	0.053	Calculated	625.2	Measured	0.105	Calculated	160.9	Measured	0.027	Measured	5961.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	18	1	552		358.8	Measured	0.06	Calculated	624.8	Measured	0.105	Calculated	172.8	Measured	0.029	Measured	5957.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	19	1	561		361.2	Measured	0.06	Calculated	629.2	Measured	0.105	Calculated	186	Measured	0.031	Measured	5999	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	20	1	562		311.4	Measured	0.052	Calculated	627.2	Measured	0.105	Calculated	167.4	Measured	0.028	Measured	5980	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	21	1	562		374.3	Measured	0.062	Calculated	630.6	Measured	0.105	Calculated	180.4	Measured	0.03	Measured	6012.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	22	1	562		368	Measured	0.061	Calculated	631.7	Measured	0.105	Calculated	126.5	Measured	0.021	Measured	6023.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/6/2025	23	1	561		334.8	Measured	0.056	Calculated	632	Measured	0.105	Calculated	144.6	Measured	0.024	Measured	6025.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	0	1	562		391.9	Measured	0.065	Calculated	630.8	Measured	0.105	Calculated	150.4	Measured	0.025	Measured	6014.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	1	1	561		326.3	Measured	0.054	Calculated	632.4	Measured	0.105	Calculated	144.7	Measured	0.024	Measured	6029.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	2	1	561		350.2	Measured	0.058	Calculated	631.2	Measured	0.105	Calculated	138.4	Measured	0.023	Measured	6018.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	3	1	562		348.3	Measured	0.058	Calculated	628.2	Measured	0.105	Calculated	137.8	Measured	0.023	Measured	5990.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	4	1	562		317.8	Measured	0.053	Calculated	633	Measured	0.105	Calculated	132.8	Measured	0.022	Measured	6035	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	5	1	561		325.7	Measured	0.055	Calculated	625.3	Measured	0.105	Calculated	178.9	Measured	0.03	Measured	5961.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	6	1	562		317.1	Measured	0.052	Calculated	635.1	Measured	0.105	Calculated	199.8	Measured	0.033	Measured	6055.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	7	1	562		352.3	Measured	0.058	Calculated	635.1	Measured	0.105	Calculated	199.8	Measured	0.033	Measured	6055.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	8	1	562		362.2	Measured	0.06	Calculated	630.9	Measured	0.105	Calculated	198.5	Measured	0.033	Measured	6015.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	9	1	563		353.3	Measured	0.059	Calculated	627.7	Measured	0.105	Calculated	197.5	Measured	0.033	Measured	5984.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	10	1	561		343.3	Measured	0.057	Calculated	628.7	Measured	0.105	Calculated	185.8	Measured	0.031	Measured	5994.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	11	1	561		337.6	Measured	0.056	Calculated	627.8	Measured	0.105	Calculated	185.6	Measured	0.031	Measured	5986.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	12	1	561		340.6	Measured	0.057	Calculated	627	Measured	0.105	Calculated	185.3	Measured	0.031	Measured	5978.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	13	1	562		328.2	Measured	0.055	Calculated	629.5	Measured	0.105	Calculated	168.1	Measured	0.028	Measured	6002.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	14	1	562		379.7	Measured	0.063	Calculated	634	Measured	0.105	Calculated	169.3	Measured	0.028	Measured	6045.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	15	1	562		413.3	Measured	0.069	Calculated	629.4	Measured	0.105	Calculated	180	Measured	0.03	Measured	6000.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	16	1	562		399	Measured	0.067	Calculated	622.8	Measured	0.105	Calculated	190	Measured	0.032	Measured	5938.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	17	1	561		396.8	Measured	0.067	Calculated	625.3	Measured	0.105	Calculated	178.9	Measured	0.03	Measured	5961.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	18	1	563		429.3	Measured	0.072	Calculated	625.1	Measured	0.105	Calculated	184.8	Measured	0.031	Measured	5959.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	19	1	562		302.7	Measured	0.051	Calculated	625.9	Measured	0.105	Calculated	179	Measured	0.03	Measured	5967.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	20	1	561		303.3	Measured	0.05	Calculated	630.7	Measured	0.105	Calculated	180.4	Measured	0.03	Measured	6013.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	21	1	561		294.3	Measured	0.049	Calculated	633.8	Measured	0.105	Calculated	187.3	Measured	0.031	Measured	6043.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	22	1	561		321.7	Measured	0.053	Calculated	636.4	Measured	0.105	Calculated	188.1	Measured	0.031	Measured	6067.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/7/2025	23	1	562		323.3	Measured	0.054	Calculated	633.5	Measured	0.105	Calculated	187.3	Measured	0.031	Measured	6040.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	0	1	562		311.4	Measured	0.051	Calculated	634.4	Measured	0.105	Calculated	187.5	Measured	0.031	Measured	6048.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	1	1	562		314	Measured	0.052	Calculated	632.5	Measured	0.105	Calculated	187	Measured	0.031	Measured	6030.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	2	1	562		334	Measured	0.055	Calculated	633.7	Measured	0.105	Calculated	187.3	Measured	0.031	Measured	6042.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	3	1	562		320.8	Measured	0.053	Calculated	632.1	Measured	0.105	Calculated	186.8	Measured	0.031	Measured	6026.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	4	1	561		337.3	Measured	0.056	Calculated	633.3	Measured	0.105	Calculated	181.1	Measured	0.03	Measured	6038.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	5	1	561		355.6	Measured	0.059	Calculated	634.8	Measured	0.105	Calculated	181.6	Measured	0.03	Measured	6052.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	6	1	563		296.4	Measured	0.049	Calculated	636	Measured	0.105	Calculated	181.9	Measured	0.03	Measured	6064.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	7	1	562		324.3	Measured	0.054	Calculated	635.5	Measured	0.105	Calculated	181.8	Measured	0.03	Measured	6059.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	8	1	562		444.1	Measured	0.073	Calculated	635.4	Measured	0.105	Calculated	187.8	Measured	0.031	Measured	6058.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	9	1	562		435.6	Measured	0.072	Calculated	635.8	Measured	0.105	Calculated	187.9	Measured	0.031	Measured	6062.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	10	1	562		375.3	Measured	0.063	Calculated	629.4	Measured	0.105	Calculated	186	Measured	0.031	Measured	6001.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	11	1	562		277	Measured	0.046	Calculated	636.1	Measured	0.105	Calculated	188	Measured	0.031	Measured	6065.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	12	1	563		316.5	Measured	0.052	Calculated	640	Measured	0.105	Calculated	189.2	Measured	0.031	Measured	6102.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	13	1	562		366.3	Measured	0.061	Calculated	631.9	Measured	0.105	Calculated	192.8	Measured	0.032	Measured	6024.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	14	1	562		357.2	Measured	0.059	Calculated	634.3	Measured	0.105	Calculated	187.5	Measured	0.031	Measured	6047.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	15	1	562		363.2	Measured	0.06	Calculated	632.5	Measured	0.105	Calculated	162.8	Measured	0.027	Measured	6030.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	16	1	562		362.8	Measured	0.061	Calculated	628.7	Measured	0.105	Calculated	161.9	Measured	0.027	Measured	5994.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	17	1	562		378.7	Measured	0.064	Calculated	623.4	Measured	0.105	Calculated	166.4	Measured	0.028	Measured	5944.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	18	1	563		374.4	Measured	0.063	Calculated	624.9	Measured	0.105	Calculated	172.8	Measured	0.029	Measured	5958	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	19	1	564		392.9	Measured	0.066	Calculated	626.7	Measured	0.105	Calculated	179.3	Measured	0.03	Measured	5975.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	20	1	562		378.4	Measured	0.063	Calculated	628.8	Measured	0.105	Calculated	179.9	Measured	0.03	Measured	5995	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	21	1	562		384.3	Measured	0.064	Calculated	629.8	Measured	0.105	Calculated	186.2	Measured	0.031	Measured	6005.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	22	1	578		402.3	Measured	0.065	Calculated	644.7	Measured	0.105	Calculated	227.4	Measured	0.037	Measured	6147	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/8/2025	23	1	688		550.5	Measured	0.077	Calculated	753.4	Measured	0.105	Calculated	316.1	Measured	0.044	Measured	7183.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	0	1	760		506.6	Measured	0.066	Calculated	809.5	Measured	0.105	Calculated	378.2	Measured	0.049	Measured	7717.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	1	1	761		438	Measured	0.057	Calculated	812	Measured	0.105	Calculated	325.2	Measured	0.042	Measured	7742.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	2	1	760		440.2	Measured	0.057	Calculated	805.2	Measured	0.105	Calculated	353.1	Measured	0.046	Measured	7677	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	3	1	759		444.6	Measured	0.057	Calculated	812.7	Measured	0.105	Calculated	379.7	Measured	0.049	Measured	7749.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	4	1	759		463.4	Measured	0.06	Calculated	813.2	Measured	0.105	Calculated	395.4	Measured	0.051	Measured	7753.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	5	1	758		532.2	Measured	0.069	Calculated	808.3	Measured	0.105	Calculated	423.9	Measured	0.055	Measured	7706.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	6	1	760		607.5	Measured	0.079	Calculated	809.2	Measured	0.105	Calculated	447.5	Measured and Su	0.058	Substitute	7715.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	7	1	759		602.8	Measured	0.078	Calculated	805.7	Measured	0.105	Calculated	445.6	Measured and Su	0.058	Substitute	7682	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	8	1	759		293.9	Measured	0.039	Calculated	800.4	Measured	0.105	Calculated	435	Measured	0.057	Measured	7631.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	9	1	761		300.7	Measured	0.039	Calculated	802.3	Measured	0.105	Calculated	451.4	Measured	0.059	Measured	7650	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	10	1	760		329.4	Measured	0.043	Calculated	798.1	Measured	0.105	Calculated	449	Measured	0.059	Measured	7609.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	11	1	758		332.9	Measured	0.043	Calculated	803.7	Measured	0.105	Calculated	436.8	Measured	0.057	Measured	7663.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	12	1	760		331	Measured	0.043	Calculated	803.9	Measured	0.105	Calculated	444.6	Measured	0.058	Measured	7665.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	13	1	760		323.1	Measured	0.042	Calculated	804.4	Measured	0.105	Calculated	444.9	Measured	0.058	Measured	7670.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	14	1	760		324.8	Measured	0.043	Calculated	796.6	Measured	0.105	Calculated	470.9	Measured	0.062	Measured	7595.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	15	1	759		438.1	Measured	0.058	Calculated	793.6	Measured	0.105	Calculated	476.7	Measured	0.063	Measured	7566.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	16	1	758		1130.9	Measured	0.152	Calculated	780.7	Measured	0.105	Calculated	454.1	Measured	0.061	Measured	7443.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	17	1	759		1225.5	Measured	0.166	Calculated	776.1	Measured	0.105	Calculated	458.8	Measured	0.062	Measured	7399.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	18	1	760		1204.1	Measured	0.162	Calculated	778.6	Measured	0.105	Calculated	475.1	Measured	0.064	Measured	7423.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	19	1	760		1199.3	Measured	0.162	Calculated	775.1	Measured	0.105	Calculated	487.7	Measured	0.066	Measured	7390	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	20	1	759		1257.2	Measured	0.17	Calculated	775.7	Measured	0.105	Calculated	473.3	Measured	0.064	Measured	7395.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	21	1	760		1227.3	Measured	0.164	Calculated	783.4	Measured	0.105	Calculated	470.6	Measured	0.063	Measured	7469.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	22	1	760		1211.4	Measured	0.163	Calculated	779.1	Measured	0.105	Calculated	460.6	Measured	0.062	Measured	7428.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/9/2025	23	1	758		1204.9	Measured	0.163	Calculated	776.2	Measured	0.105	Calculated	421.8	Measured	0.057	Measured	7400.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	0	1	760		1205.7	Measured	0.163	Calculated	776.7	Measured	0.105	Calculated	407.3	Measured	0.055	Measured	7405.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	1	1	759		1209.3	Measured	0.164	Calculated	774	Measured	0.105	Calculated	383.7	Measured	0.052	Measured	7379.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	2	1	759		1180.3	Measured	0.16	Calculated	774.2	Measured	0.105	Calculated	369.1	Measured	0.05	Measured	7381.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	3	1	758		1160	Measured	0.157	Calculated	775.1	Measured	0.105	Calculated	376.9	Measured	0.051	Measured	7390.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	4	1	759		1188	Measured	0.161	Calculated	774.1	Measured	0.105	Calculated	376.4	Measured	0.051	Measured	7381.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	5	1	758		1189.8	Measured	0.161	Calculated	774	Measured	0.105	Calculated	369	Measured	0.05	Measured	7379.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	6	1	758		1338.6	Measured	0.183	Calculated	767.2	Measured	0.105	Calculated	380.4	Measured	0.052	Measured	7314.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	7	1	759		971.3	Measured	0.133	Calculated	768.1	Measured	0.105	Calculated	446.7	Measured	0.061	Measured	7323.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	8	1	760		459.9	Measured	0.062	Calculated	779.3	Measured	0.105	Calculated	453.3	Measured	0.061	Measured	7430.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	9	1	759		376.5	Measured	0.05	Calculated	783.9	Measured	0.105	Calculated	441	Measured	0.059	Measured	7474.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	10	1	758		431	Measured	0.057	Calculated	788	Measured	0.105	Calculated	428.3	Measured	0.057	Measured	7513.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	11	1	757		455.2	Measured	0.061	Calculated	784.9	Measured	0.105	Calculated	426.6	Measured	0.057	Measured	7483.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	12	1	759		296.9	Measured	0.04	Calculated	786.9	Measured	0.105	Calculated	435.2	Measured	0.058	Measured	7502.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	13	1	759		363.7	Measured	0.048	Calculated	791.6	Measured	0.105	Calculated	437.8	Measured	0.058	Measured	7548	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	14	1	758		419.1	Measured	0.056	Calculated	783.7	Measured	0.105	Calculated	425.9	Measured	0.057	Measured	7472.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	15	1	758		191.3	Measured	0.026	Calculated	786.7	Measured	0.105	Calculated	412.6	Measured	0.055	Measured	7501.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	16	1	759		421.7	Measured	0.056	Calculated	785.5	Measured	0.105	Calculated	419.4	Measured	0.056	Measured	7489.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	17	1	758		776.8	Measured	0.106	Calculated	770.7	Measured	0.105	Calculated	433.6	Measured	0.059	Measured	7348.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	18	1	760		657.6	Measured	0.089	Calculated	772.9	Measured	0.105	Calculated	449.5	Measured	0.061	Measured	7369.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	19	1	758		488.4	Measured	0.066	Calculated	781.2	Measured	0.105	Calculated	379.9	Measured	0.051	Measured	7448.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	20	1	756		674	Measured	0.09	Calculated	784.9	Measured	0.105	Calculated	351.7	Measured	0.047	Measured	7483.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	21	1	758		674.7	Measured	0.09	Calculated	788	Measured	0.105	Calculated	368.2	Measured	0.049	Measured	7513.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	22	1	758		674.6	Measured	0.09	Calculated	785.6	Measured	0.105	Calculated	374.5	Measured	0.05	Measured	7490.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/10/2025	23	1	756		649.8	Measured	0.087	Calculated	784	Measured	0.105	Calculated	381.2	Measured	0.051	Measured	7475.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	0	1	758		634.8	Measured	0.085	Calculated	784.8	Measured	0.105	Calculated	389.1	Measured	0.052	Measured	7482.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	1	1	758		621.2	Measured	0.082	Calculated	789.8	Measured	0.105	Calculated	391.6	Measured	0.052	Measured	7530.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	2	1	758		617.4	Measured	0.082	Calculated	789.9	Measured	0.105	Calculated	391.6	Measured	0.052	Measured	7531.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	3	1	757		617.2	Measured	0.082	Calculated	787.2	Measured	0.105	Calculated	405.3	Measured	0.054	Measured	7505.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	4	1	756		411.3	Measured	0.055	Calculated	790.7	Measured	0.105	Calculated	407.1	Measured	0.054	Measured	7538.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	5	1	756		239.5	Measured	0.032	Calculated	795.1	Measured	0.105	Calculated	416.9	Measured	0.055	Measured	7580.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	6	1	758		325.1	Measured	0.043	Calculated	799.3	Measured	0.105	Calculated	426.8	Measured	0.056	Measured	7620.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	7	1	759		285.2	Measured	0.037	Calculated	800.1	Measured	0.105	Calculated	427.2	Measured	0.056	Measured	7628.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	8	1	758		300.6	Measured	0.039	Calculated	798.3	Measured	0.105	Calculated	403.4	Measured	0.053	Measured	7611.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	9	1	758		364.3	Measured	0.048	Calculated	797.2	Measured	0.105	Calculated	418.1	Measured	0.055	Measured	7601.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	10	1	759		364.9	Measured	0.048	Calculated	798.6	Measured	0.105	Calculated	411.2	Measured	0.054	Measured	7614.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	11	1	757		407	Measured	0.053	Calculated	798.5	Measured	0.105	Calculated	418.7	Measured	0.055	Measured	7613.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	12	1	758		403	Measured	0.053	Calculated	798.6	Measured	0.105	Calculated	426.4	Measured	0.056	Measured	7614.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	13	1	758		460	Measured	0.061	Calculated	796.7	Measured	0.105	Calculated	410.2	Measured	0.054	Measured	7596.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	14	1	758		365.1	Measured	0.048	Calculated	799.1	Measured	0.105	Calculated	403.8	Measured	0.053	Measured	7619.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	15	1	757		384.4	Measured	0.051	Calculated	797.4	Measured	0.105	Calculated	403	Measured	0.053	Measured	7603	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	16	1	757		507.5	Measured	0.067	Calculated	795.8	Measured	0.105	Calculated	440.1	Measured	0.058	Measured	7588	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	17	1	757		437.2	Measured	0.058	Calculated	795.2	Measured	0.105	Calculated	424.6	Measured	0.056	Measured	7582.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	18	1	758		447.6	Measured	0.059	Calculated	795.9	Measured	0.105	Calculated	425	Measured	0.056	Measured	7588.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	19	1	758		429	Measured	0.056	Calculated	798.5	Measured	0.105	Calculated	418.8	Measured	0.055	Measured	7613.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	20	1	758		426.9	Measured	0.056	Calculated	798.4	Measured	0.105	Calculated	433.9	Measured	0.057	Measured	7612.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	21	1	758		364.7	Measured	0.048	Calculated	798.1	Measured	0.105	Calculated	464.2	Measured	0.061	Measured	7609.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		8/11/2025	22	1	758		359.7	Measured	0.047	Calculated	800.5	Measured	0.105	Calculated	412.1	Measured	0.054	Measured	7632.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/11/2025	23	1	758		384	Measured	0.05	Calculated	800.7	Measured	0.105	Calculated	427.5	Measured	0.056	Measured	7634.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	0	1	760		446.2	Measured	0.058	Calculated	804.2	Measured	0.105	Calculated	414.1	Measured	0.054	Measured	7667.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	1	1	759		446.3	Measured	0.058	Calculated	804.5	Measured	0.105	Calculated	398.9	Measured	0.052	Measured	7670.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	2	1	757		471.8	Measured	0.062	Calculated	799.7	Measured	0.105	Calculated	404.1	Measured	0.053	Measured	7624.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	3	1	758		482.5	Measured	0.063	Calculated	807.6	Measured	0.105	Calculated	415.8	Measured	0.054	Measured	7700.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	4	1	758		461.9	Measured	0.06	Calculated	806.8	Measured	0.105	Calculated	400	Measured	0.052	Measured	7693.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	5	1	758		440.8	Measured	0.058	Calculated	801.7	Measured	0.105	Calculated	412.8	Measured	0.054	Measured	7644.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	6	1	759		412.3	Measured	0.054	Calculated	807.9	Measured	0.105	Calculated	416	Measured	0.054	Measured	7703.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	7	1	759		469	Measured	0.061	Calculated	805.2	Measured	0.105	Calculated	391.6	Measured	0.051	Measured	7677.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	8	1	759		501.1	Measured	0.065	Calculated	805.3	Measured	0.105	Calculated	399.3	Measured	0.052	Measured	7678.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	9	1	759		457.8	Measured	0.059	Calculated	813.5	Measured	0.105	Calculated	636	Measured	0.082	Measured	7756.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	10	1	759		452.7	Measured	0.058	Calculated	811.7	Measured	0.105	Calculated	1400.7	Measured	0.181	Measured	7738.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	11	1	758		435.3	Measured	0.056	Calculated	809.6	Measured	0.105	Calculated	1420.4	Measured	0.184	Measured	7719.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	12	1	758		457	Measured	0.059	Calculated	808.7	Measured	0.105	Calculated	1472.8	Measured	0.191	Measured	7710.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	13	1	759		463.5	Measured	0.06	Calculated	813.2	Measured	0.105	Calculated	1473.1	Measured	0.19	Measured	7753.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	14	1	760		511.4	Measured	0.067	Calculated	805.2	Measured	0.105	Calculated	1481.7	Measured	0.193	Measured	7677.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	15	1	758		580.7	Measured	0.076	Calculated	800.3	Measured	0.105	Calculated	1457.5	Measured	0.191	Measured	7631	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	16	1	758		440.2	Measured	0.058	Calculated	797.5	Measured	0.105	Calculated	501.8	Measured	0.066	Measured	7603.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	17	1	758		429.5	Measured	0.056	Calculated	800	Measured	0.105	Calculated	282.2	Measured	0.037	Measured	7627.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	18	1	760		424.7	Measured	0.056	Calculated	802.5	Measured	0.105	Calculated	290.8	Measured	0.038	Measured	7651.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	19	1	759		446.4	Measured	0.059	Calculated	798	Measured	0.105	Calculated	304.3	Measured	0.04	Measured	7608.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	20	1	759		439.2	Measured	0.058	Calculated	799.6	Measured	0.105	Calculated	289.7	Measured	0.038	Measured	7623.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	21	1	761		425.4	Measured	0.055	Calculated	807.6	Measured	0.105	Calculated	292.6	Measured	0.038	Measured	7700.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	22	1	760		430.4	Measured	0.056	Calculated	805.4	Measured	0.105	Calculated	337.9	Measured	0.044	Measured	7679.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/12/2025	23	1	759		420.5	Measured	0.055	Calculated	806	Measured	0.105	Calculated	315.1	Measured	0.041	Measured	7685.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	0	1	760		418.9	Measured	0.055	Calculated	799.9	Measured	0.105	Calculated	312.7	Measured	0.041	Measured	7626.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	1	1	760		436.5	Measured	0.057	Calculated	805.4	Measured	0.105	Calculated	291.8	Measured	0.038	Measured	7679.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	2	1	759		408.4	Measured	0.053	Calculated	806.3	Measured	0.105	Calculated	299.8	Measured	0.039	Measured	7687.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	3	1	759		392.5	Measured	0.051	Calculated	807.2	Measured	0.105	Calculated	300.2	Measured	0.039	Measured	7696.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	4	1	759		397.6	Measured	0.052	Calculated	805.1	Measured	0.105	Calculated	307	Measured	0.04	Measured	7676.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	5	1	683		302.3	Measured	0.043	Calculated	740.6	Measured	0.105	Calculated	218.9	Measured	0.031	Measured	7061.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	6	1	634		261.7	Measured	0.038	Calculated	717.5	Measured	0.105	Calculated	260	Measured	0.038	Measured	6841.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	7	1	636		348.8	Measured	0.05	Calculated	735.6	Measured	0.105	Calculated	315.6	Measured	0.045	Measured	7014.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	8	1	635		334.1	Measured	0.048	Calculated	736.7	Measured	0.105	Calculated	358.2	Measured	0.051	Measured	7023.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	9	1	634		551.1	Measured	0.08	Calculated	724.8	Measured	0.105	Calculated	359.4	Measured	0.052	Measured	6910.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	10	1	635		246.3	Measured	0.036	Calculated	722.9	Measured	0.105	Calculated	344.7	Measured	0.05	Measured	6893.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	11	1	634		375.3	Measured	0.054	Calculated	729	Measured	0.105	Calculated	354.5	Measured	0.051	Measured	6950.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	12	1	635		413.3	Measured	0.06	Calculated	722.7	Measured	0.105	Calculated	351.4	Measured	0.051	Measured	6890.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	13	1	636		360.6	Measured	0.053	Calculated	719.6	Measured	0.105	Calculated	363.6	Measured	0.053	Measured	6860.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	14	1	635		356.4	Measured	0.052	Calculated	718.7	Measured	0.105	Calculated	575.7	Measured	0.084	Measured	6853	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	15	1	635		375.2	Measured	0.055	Calculated	718.5	Measured	0.105	Calculated	280.9	Measured	0.041	Measured	6850.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	16	1	635		376.9	Measured	0.055	Calculated	718.2	Measured	0.105	Calculated	280.8	Measured	0.041	Measured	6847.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	17	1	635		371	Measured	0.054	Calculated	717.7	Measured	0.105	Calculated	280.6	Measured	0.041	Measured	6843.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	18	1	636		363.6	Measured	0.053	Calculated	718.1	Measured	0.105	Calculated	280.7	Measured	0.041	Measured	6847	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	19	1	635		368.2	Measured	0.053	Calculated	726.2	Measured	0.105	Calculated	283.9	Measured	0.041	Measured	6924.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	20	1	634		393.1	Measured	0.057	Calculated	726.9	Measured	0.105	Calculated	291.1	Measured	0.042	Measured	6930.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	21	1	635		384	Measured	0.055	Calculated	727.5	Measured	0.105	Calculated	312.1	Measured	0.045	Measured	6936.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	22	1	635		343.8	Measured	0.05	Calculated	726.4	Measured	0.105	Calculated	318.6	Measured	0.046	Measured	6926.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/13/2025	23	1	634		349.4	Measured	0.051	Calculated	719.8	Measured	0.105	Calculated	288.2	Measured	0.042	Measured	6863	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	0	1	634		307.3	Measured	0.044	Calculated	729.4	Measured	0.105	Calculated	278.2	Measured	0.04	Measured	6955.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	1	1	636		341.6	Measured	0.049	Calculated	729.8	Measured	0.105	Calculated	278.4	Measured	0.04	Measured	6958.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	2	1	636		298.4	Measured	0.043	Calculated	730.9	Measured	0.105	Calculated	278.7	Measured	0.04	Measured	6968.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	3	1	635		331.5	Measured	0.048	Calculated	728.6	Measured	0.105	Calculated	284.8	Measured	0.041	Measured	6946.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	4	1	634		387	Measured	0.056	Calculated	726.1	Measured	0.105	Calculated	276.9	Measured	0.04	Measured	6922.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	5	1	631		358.5	Measured	0.052	Calculated	721.8	Measured	0.105	Calculated	261.5	Measured	0.038	Measured	6881.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	6	1	674		420.8	Measured	0.058	Calculated	766.2	Measured	0.105	Calculated	336	Measured	0.046	Measured	7305.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	7	1	755		533.3	Measured	0.067	Calculated	831.1	Measured	0.105	Calculated	1149	Measured	0.145	Measured	7924.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	8	1	754		456.6	Measured	0.058	Calculated	825.9	Measured	0.105	Calculated	622.1	Measured	0.079	Measured	7874.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	9	1	756		388.3	Measured	0.049	Calculated	828.1	Measured	0.105	Calculated	489.5	Measured	0.062	Measured	7895.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	10	1	757		385.3	Measured	0.049	Calculated	823.3	Measured	0.105	Calculated	478.9	Measured	0.061	Measured	7850.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	11	1	755		412	Measured	0.052	Calculated	823.4	Measured	0.105	Calculated	494.6	Measured	0.063	Measured	7850.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	12	1	759		430.4	Measured	0.055	Calculated	827.3	Measured	0.105	Calculated	512.7	Measured	0.065	Measured	7888.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	13	1	759		416.1	Measured	0.053	Calculated	827.6	Measured	0.105	Calculated	497.1	Measured	0.063	Measured	7891	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	14	1	759		472.3	Measured	0.06	Calculated	832.1	Measured	0.105	Calculated	491.9	Measured	0.062	Measured	7933.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	15	1	759		364.5	Measured	0.046	Calculated	822.8	Measured	0.105	Calculated	494.2	Measured	0.063	Measured	7845	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	16	1	758		367.5	Measured	0.047	Calculated	817.8	Measured	0.105	Calculated	506.9	Measured	0.065	Measured	7797.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	17	1	760		377.9	Measured	0.048	Calculated	818.1	Measured	0.105	Calculated	514.8	Measured	0.066	Measured	7800	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	18	1	760		388.8	Measured	0.05	Calculated	819.5	Measured	0.105	Calculated	500.1	Measured	0.064	Measured	7813.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	19	1	760		364.5	Measured	0.047	Calculated	820.2	Measured	0.105	Calculated	492.7	Measured	0.063	Measured	7820.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	20	1	758		533.4	Measured	0.069	Calculated	811	Measured	0.105	Calculated	494.9	Measured	0.064	Measured	7732.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	21	1	759		443.2	Measured	0.057	Calculated	813.6	Measured	0.105	Calculated	512	Measured	0.066	Measured	7757.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	22	1	759		332.3	Measured	0.043	Calculated	812	Measured	0.105	Calculated	503.2	Measured	0.065	Measured	7742.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/14/2025	23	1	758		330.7	Measured	0.043	Calculated	813.2	Measured	0.105	Calculated	488.5	Measured	0.063	Measured	7753.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	0	1	760		353.2	Measured	0.046	Calculated	813.2	Measured	0.105	Calculated	473	Measured	0.061	Measured	7754	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	1	1	759		369.4	Measured	0.048	Calculated	813	Measured	0.105	Calculated	472.9	Measured	0.061	Measured	7751.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	2	1	759		386.6	Measured	0.05	Calculated	810.5	Measured	0.105	Calculated	471.4	Measured	0.061	Measured	7727.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	3	1	757		403.9	Measured	0.052	Calculated	815.5	Measured	0.105	Calculated	528.7	Measured	0.068	Measured	7775.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	4	1	757		372	Measured	0.048	Calculated	816.7	Measured	0.105	Calculated	950.1	Measured	0.122	Measured	7787.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	5	1	757		376.6	Measured	0.048	Calculated	817.8	Measured	0.105	Calculated	1520.5	Measured	0.195	Measured	7797.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	6	1	757		541.3	Measured	0.069	Calculated	828.3	Measured	0.105	Calculated	1145.2	Measured	0.145	Measured	7897.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	7	1	757		395.8	Measured	0.05	Calculated	829.5	Measured	0.105	Calculated	830.4	Measured	0.105	Measured	7908.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	8	1	742		240.9	Measured	0.031	Calculated	820.4	Measured	0.105	Calculated	1165.5	Measured	0.149	Measured	7822.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	9	1	667		257.8	Measured	0.035	Calculated	766.2	Measured	0.105	Calculated	1234.7	Measured	0.169	Measured	7305.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	10	1	755		413.3	Measured	0.051	Calculated	847.3	Measured	0.105	Calculated	1858.2	Measured	0.23	Measured	8079	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	11	1	757		362.5	Measured	0.045	Calculated	848.6	Measured	0.105	Calculated	1229.9	Measured	0.152	Measured	8091.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	12	1	759		371.7	Measured	0.045	Calculated	858	Measured	0.105	Calculated	948.9	Measured	0.116	Measured	8180.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	13	1	759		442.1	Measured	0.055	Calculated	847.3	Measured	0.105	Calculated	888.7	Measured	0.11	Measured	8079.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	14	1	760		503.2	Measured	0.063	Calculated	842.9	Measured	0.105	Calculated	1157.2	Measured	0.144	Measured	8036.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	15	1	760		406.3	Measured	0.051	Calculated	841.3	Measured	0.105	Calculated	1243.3	Measured	0.155	Measured	8021.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	16	1	760		408.6	Measured	0.051	Calculated	837.7	Measured	0.105	Calculated	1102.2	Measured	0.138	Measured	7987	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	17	1	760		347.6	Measured	0.044	Calculated	830.6	Measured	0.105	Calculated	799.8	Measured	0.101	Measured	7919.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	18	1	762		334.5	Measured	0.043	Calculated	821.4	Measured	0.105	Calculated	689.2	Measured	0.088	Measured	7831.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	19	1	761		343	Measured	0.044	Calculated	822.5	Measured	0.105	Calculated	564.6	Measured	0.072	Measured	7841.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	20	1	759		370.3	Measured	0.047	Calculated	824.4	Measured	0.105	Calculated	510.9	Measured	0.065	Measured	7860.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	21	1	759		380.3	Measured	0.048	Calculated	835.4	Measured	0.105	Calculated	470	Measured	0.059	Measured	7965.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	22	1	760		368	Measured	0.047	Calculated	828.3	Measured	0.105	Calculated	497.5	Measured	0.063	Measured	7897.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/15/2025	23	1	760		370.8	Measured	0.047	Calculated	830	Measured	0.105	Calculated	419.4	Measured	0.053	Measured	7913.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	0	1	760		361.5	Measured	0.045	Calculated	834.5	Measured	0.105	Calculated	461.5	Measured	0.058	Measured	7956.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	1	1	759		372.9	Measured	0.047	Calculated	835.2	Measured	0.105	Calculated	573.3	Measured	0.072	Measured	7963.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	2	1	760		355.9	Measured	0.045	Calculated	838	Measured	0.105	Calculated	447.5	Measured	0.056	Measured	7990.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	3	1	759		360.5	Measured	0.045	Calculated	839.1	Measured	0.105	Calculated	448.1	Measured	0.056	Measured	8000.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	4	1	759		378	Measured	0.048	Calculated	830.5	Measured	0.105	Calculated	578.1	Measured	0.073	Measured	7918.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	5	1	759		363	Measured	0.046	Calculated	828.7	Measured	0.105	Calculated	655.8	Measured	0.083	Measured	7901.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	6	1	760		366.8	Measured	0.046	Calculated	835.1	Measured	0.105	Calculated	485.7	Measured	0.061	Measured	7962	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	7	1	760		367.1	Measured	0.046	Calculated	835.7	Measured	0.105	Calculated	470.1	Measured	0.059	Measured	7967.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	8	1	681		292.1	Measured	0.04	Calculated	773.7	Measured	0.105	Calculated	280.3	Measured	0.038	Measured	7376.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	9	1	563		294	Measured	0.046	Calculated	675.1	Measured	0.105	Calculated	173.8	Measured	0.027	Measured	6436.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	10	1	564		249.9	Measured	0.039	Calculated	680.6	Measured	0.105	Calculated	311.5	Measured	0.048	Measured	6489.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	11	1	563		267.1	Measured	0.041	Calculated	686.3	Measured	0.105	Calculated	340.3	Measured	0.052	Measured	6543.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	12	1	565		265.6	Measured	0.041	Calculated	679.4	Measured	0.105	Calculated	298	Measured	0.046	Measured	6477.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	13	1	565		274.5	Measured	0.042	Calculated	678.6	Measured	0.105	Calculated	304.1	Measured	0.047	Measured	6470.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	14	1	565		286.3	Measured	0.044	Calculated	680.7	Measured	0.105	Calculated	292.1	Measured	0.045	Measured	6490.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	15	1	565		298.2	Measured	0.046	Calculated	682.6	Measured	0.105	Calculated	299.4	Measured	0.046	Measured	6508.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	16	1	565		303.6	Measured	0.047	Calculated	675.9	Measured	0.105	Calculated	302.9	Measured	0.047	Measured	6444.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	17	1	565		275.4	Measured	0.043	Calculated	668.3	Measured	0.105	Calculated	325	Measured	0.051	Measured	6372.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	18	1	565		273.8	Measured	0.043	Calculated	673.3	Measured	0.105	Calculated	333.8	Measured	0.052	Measured	6419.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	19	1	564		301.1	Measured	0.047	Calculated	672.2	Measured	0.105	Calculated	269.2	Measured	0.042	Measured	6409.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	20	1	564		319.9	Measured	0.05	Calculated	673	Measured	0.105	Calculated	263.1	Measured	0.041	Measured	6417.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	21	1	565		310.6	Measured	0.048	Calculated	672.9	Measured	0.105	Calculated	269.5	Measured	0.042	Measured	6416.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	22	1	565		323.5	Measured	0.051	Calculated	666.6	Measured	0.105	Calculated	298.7	Measured	0.047	Measured	6355.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/16/2025	23	1	564		309	Measured	0.049	Calculated	667.1	Measured	0.105	Calculated	298.9	Measured	0.047	Measured	6360.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	0	1	566		305.3	Measured	0.048	Calculated	673.4	Measured	0.105	Calculated	738.4	Measured	0.115	Measured	6420.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	1	1	565		326.1	Measured	0.051	Calculated	676.8	Measured	0.105	Calculated	303.3	Measured	0.047	Measured	6453.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	2	1	565		330.9	Measured	0.051	Calculated	675.4	Measured	0.105	Calculated	328.5	Measured	0.051	Measured	6440.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	3	1	564		317.3	Measured	0.05	Calculated	667.5	Measured	0.105	Calculated	337.3	Measured	0.053	Measured	6364.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	4	1	564		311.9	Measured	0.049	Calculated	663.9	Measured	0.105	Calculated	297.5	Measured	0.047	Measured	6330.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	5	1	563		321.7	Measured	0.051	Calculated	665.4	Measured	0.105	Calculated	304.5	Measured	0.048	Measured	6344	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	6	1	564		317.5	Measured	0.049	Calculated	674.2	Measured	0.105	Calculated	315	Measured	0.049	Measured	6428.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	7	1	564		289.6	Measured	0.045	Calculated	679.8	Measured	0.105	Calculated	304.6	Measured	0.047	Measured	6481.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	8	1	564		282.5	Measured	0.044	Calculated	674	Measured	0.105	Calculated	302	Measured	0.047	Measured	6426.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	9	1	564		243.7	Measured	0.038	Calculated	673.3	Measured	0.105	Calculated	333.8	Measured	0.052	Measured	6419.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	10	1	564		236.6	Measured	0.037	Calculated	673.8	Measured	0.105	Calculated	346.9	Measured	0.054	Measured	6424.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	11	1	564		296.1	Measured	0.046	Calculated	675.7	Measured	0.105	Calculated	341.5	Measured	0.053	Measured	6442.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	12	1	565		329	Measured	0.052	Calculated	669	Measured	0.105	Calculated	312.6	Measured	0.049	Measured	6378.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	13	1	564		325.5	Measured	0.051	Calculated	665.6	Measured	0.105	Calculated	298.3	Measured	0.047	Measured	6346.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	14	1	564		324.3	Measured	0.051	Calculated	669.4	Measured	0.105	Calculated	414.9	Measured	0.065	Measured	6382.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	15	1	564		308	Measured	0.049	Calculated	665.7	Measured	0.105	Calculated	406.2	Measured	0.064	Measured	6346.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	16	1	564		308.4	Measured	0.049	Calculated	656.4	Measured	0.105	Calculated	187.8	Measured	0.03	Measured	6258.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		8/17/2025	17	1	564		306	Measured	0.049	Calculated	659	Measured	0.105	Calculated	289.1	Measured	0.046	Measured	6283.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	18	1	564		310	Measured	0.049	Calculated	659.9	Measured	0.105	Calculated	415.3	Measured	0.066	Measured	6291.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	19	1	564		369.5	Measured	0.059	Calculated	659.5	Measured	0.105	Calculated	666.5	Measured	0.106	Measured	6288.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	20	1	564		322.4	Measured	0.051	Calculated	660.5	Measured	0.105	Calculated	365.3	Measured	0.058	Measured	6298	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	21	1	564		310.3	Measured	0.049	Calculated	662	Measured	0.105	Calculated	277.7	Measured	0.044	Measured	6312.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	22	1	563		340.1	Measured	0.054	Calculated	659.3	Measured	0.105	Calculated	238.9	Measured	0.038	Measured	6285.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/17/2025	23	1	563		336.6	Measured	0.053	Calculated	662.2	Measured	0.105	Calculated	221	Measured	0.035	Measured	6313.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	0	1	564		314.6	Measured	0.049	Calculated	668.1	Measured	0.105	Calculated	280.3	Measured	0.044	Measured	6369.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	1	1	564		311	Measured	0.049	Calculated	668.2	Measured	0.105	Calculated	248.5	Measured	0.039	Measured	6371.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	2	1	564		328.9	Measured	0.052	Calculated	667.6	Measured	0.105	Calculated	229.2	Measured	0.036	Measured	6365.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	3	1	563		333.9	Measured	0.053	Calculated	663	Measured	0.105	Calculated	208.6	Measured	0.033	Measured	6321.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	4	1	562		428.9	Measured	0.068	Calculated	662.2	Measured	0.105	Calculated	214.7	Measured	0.034	Measured	6313.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	5	1	563		349.9	Measured	0.055	Calculated	662.6	Measured	0.105	Calculated	334.8	Measured	0.053	Measured	6317.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	6	1	564		289.5	Measured	0.046	Calculated	660.5	Measured	0.105	Calculated	245.6	Measured	0.039	Measured	6298.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	7	1	565		232.8	Measured	0.037	Calculated	663	Measured	0.105	Calculated	221.3	Measured	0.035	Measured	6322	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	8	1	564		367.6	Measured	0.059	Calculated	655.9	Measured	0.105	Calculated	406.5	Measured	0.065	Measured	6253.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	9	1	539		411.6	Measured	0.068	Calculated	631.5	Measured	0.105	Calculated	535.9	Measured	0.089	Measured	6021.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	10	1	541		338.1	Measured	0.056	Calculated	634.9	Measured	0.105	Calculated	690.1	Measured	0.114	Measured	6053.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	11	1	563		334.3	Measured	0.053	Calculated	658.7	Measured	0.105	Calculated	816.5	Measured	0.13	Measured	6280.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	12	1	564		219.5	Measured	0.035	Calculated	659.3	Measured	0.105	Calculated	666.4	Measured	0.106	Measured	6286.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	13	1	563		233.5	Measured	0.037	Calculated	663.9	Measured	0.105	Calculated	424.1	Measured	0.067	Measured	6330.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	14	1	563		313.6	Measured	0.049	Calculated	669.9	Measured	0.105	Calculated	300.2	Measured	0.047	Measured	6387.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	15	1	564		329.9	Measured	0.052	Calculated	662.4	Measured	0.105	Calculated	265.3	Measured	0.042	Measured	6316.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	16	1	564		279.8	Measured	0.045	Calculated	657	Measured	0.105	Calculated	256.8	Measured	0.041	Measured	6264.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	17	1	564		333.8	Measured	0.053	Calculated	661.3	Measured	0.105	Calculated	498.1	Measured	0.079	Measured	6304.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	18	1	565		320.1	Measured	0.05	Calculated	667.1	Measured	0.105	Calculated	769.6	Measured	0.121	Measured	6360.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	19	1	565		242.8	Measured	0.038	Calculated	668.3	Measured	0.105	Calculated	917.6	Measured	0.144	Measured	6372.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	20	1	564		342.3	Measured	0.054	Calculated	667.1	Measured	0.105	Calculated	935	Measured	0.147	Measured	6360.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	21	1	564		338.6	Measured	0.054	Calculated	663.4	Measured	0.105	Calculated	955.1	Measured	0.151	Measured	6325.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	22	1	564		332.3	Measured	0.053	Calculated	662	Measured	0.105	Calculated	839.4	Measured	0.133	Measured	6311.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/18/2025	23	1	564		336.5	Measured	0.053	Calculated	660.2	Measured	0.105	Calculated	723.9	Measured	0.115	Measured	6295	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	0	1	564		363.2	Measured	0.058	Calculated	658.4	Measured	0.105	Calculated	596.4	Measured	0.095	Measured	6278.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	1	1	564		318.3	Measured	0.051	Calculated	657.1	Measured	0.105	Calculated	520	Measured	0.083	Measured	6265.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	2	1	564		360.5	Measured	0.058	Calculated	656.8	Measured	0.105	Calculated	526	Measured	0.084	Measured	6262	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	3	1	563		385.9	Measured	0.062	Calculated	656.3	Measured	0.105	Calculated	450.5	Measured	0.072	Measured	6257.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	4	1	563		357.6	Measured	0.057	Calculated	658.2	Measured	0.105	Calculated	407.9	Measured	0.065	Measured	6275.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	5	1	564		324.1	Measured	0.051	Calculated	661.4	Measured	0.105	Calculated	340.5	Measured	0.054	Measured	6305.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	6	1	564		321.5	Measured	0.05	Calculated	670	Measured	0.105	Calculated	683.5	Measured	0.107	Measured	6388.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	7	1	564		291.4	Measured	0.046	Calculated	669.1	Measured	0.105	Calculated	319	Measured	0.05	Measured	6379.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	8	1	565		344.2	Measured	0.054	Calculated	670.9	Measured	0.105	Calculated	332.6	Measured	0.052	Measured	6396.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	9	1	565		371.4	Measured	0.058	Calculated	669.5	Measured	0.105	Calculated	1595.8	Measured	0.25	Measured	6383.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	10	1	565		357.1	Measured	0.056	Calculated	670.5	Measured	0.105	Calculated	1943.6	Measured	0.304	Measured	6393.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	11	1	564		413.1	Measured	0.065	Calculated	661.6	Measured	0.105	Calculated	1993.4	Measured	0.316	Measured	6308.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	12	1	564		380.9	Measured	0.06	Calculated	666.6	Measured	0.105	Calculated	1976.7	Measured	0.311	Measured	6356.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	13	1	564		293.9	Measured	0.046	Calculated	666.5	Measured	0.105	Calculated	1620.6	Measured	0.255	Measured	6355.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	14	1	564		251.5	Measured	0.04	Calculated	666.8	Measured	0.105	Calculated	1017.2	Measured	0.16	Measured	6357.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	15	1	564		246.3	Measured	0.039	Calculated	662.6	Measured	0.105	Calculated	991.9	Measured	0.157	Measured	6318.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	16	1	563		263.5	Measured	0.042	Calculated	659.6	Measured	0.105	Calculated	264.2	Measured	0.042	Measured	6289.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	17	1	564		337.8	Measured	0.054	Calculated	658.4	Measured	0.105	Calculated	489.6	Measured	0.078	Measured	6277.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	18	1	565		398	Measured	0.063	Calculated	658.2	Measured	0.105	Calculated	326.3	Measured	0.052	Measured	6275.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	19	1	565		303.1	Measured	0.048	Calculated	658.3	Measured	0.105	Calculated	119.3	Measured	0.019	Measured	6277.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	20	1	564		221.5	Measured	0.035	Calculated	660.7	Measured	0.105	Calculated	94.5	Measured	0.015	Measured	6299.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	21	1	564		280.9	Measured	0.045	Calculated	659.6	Measured	0.105	Calculated	69.2	Measured	0.011	Measured	6289.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	22	1	564		344.9	Measured	0.055	Calculated	660.6	Measured	0.105	Calculated	69.3	Measured	0.011	Measured	6299.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/19/2025	23	1	564		349.8	Measured	0.056	Calculated	659.6	Measured	0.105	Calculated	62.9	Measured	0.01	Measured	6289.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	0	1	564		296	Measured	0.047	Calculated	661	Measured	0.105	Calculated	63	Measured	0.01	Measured	6302.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	1	1	564		306.1	Measured	0.049	Calculated	659.3	Measured	0.105	Calculated	50.3	Measured	0.008	Measured	6286	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	2	1	564		322.5	Measured	0.051	Calculated	659.4	Measured	0.105	Calculated	50.3	Measured	0.008	Measured	6287.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	3	1	563		318.9	Measured	0.051	Calculated	653.4	Measured	0.105	Calculated	62.3	Measured	0.01	Measured	6229.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	4	1	563		328.6	Measured	0.053	Calculated	654.5	Measured	0.105	Calculated	62.4	Measured	0.01	Measured	6240	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	5	1	563		328.4	Measured	0.053	Calculated	654.1	Measured	0.105	Calculated	62.4	Measured	0.01	Measured	6236.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	6	1	564		294.6	Measured	0.047	Calculated	664	Measured	0.105	Calculated	50.6	Measured	0.008	Measured	6330.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	7	1	563		337.3	Measured	0.053	Calculated	666.2	Measured	0.105	Calculated	355.7	Measured	0.056	Measured	6352.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	8	1	564		348.5	Measured	0.055	Calculated	666.1	Measured	0.105	Calculated	571.6	Measured	0.09	Measured	6351.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	9	1	564		332.8	Measured	0.052	Calculated	667	Measured	0.105	Calculated	1030.3	Measured	0.162	Measured	6359.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	10	1	563		338.4	Measured	0.052	Calculated	679.9	Measured	0.105	Calculated	602.9	Measured	0.093	Measured	6482.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	11	1	562		471.9	Measured	0.073	Calculated	680.3	Measured	0.105	Calculated	155.7	Measured	0.024	Measured	6486.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	12	1	564		431.9	Measured	0.067	Calculated	679.8	Measured	0.105	Calculated	77.8	Measured	0.012	Measured	6481.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	13	1	564		318.3	Measured	0.049	Calculated	679.3	Measured	0.105	Calculated	64.8	Measured	0.01	Measured	6476.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	14	1	564		304.4	Measured	0.048	Calculated	666.2	Measured	0.105	Calculated	63.5	Measured	0.01	Measured	6351.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	15	1	563		373.9	Measured	0.059	Calculated	663.4	Measured	0.105	Calculated	50.6	Measured	0.008	Measured	6325.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	16	1	563		234.6	Measured	0.037	Calculated	670.3	Measured	0.105	Calculated	44.7	Measured	0.007	Measured	6391.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	17	1	563		356.3	Measured	0.056	Calculated	667.3	Measured	0.105	Calculated	50.9	Measured	0.008	Measured	6362.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	18	1	565		361	Measured	0.057	Calculated	666	Measured	0.105	Calculated	50.8	Measured	0.008	Measured	6350.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	19	1	564		216.2	Measured	0.034	Calculated	662.8	Measured	0.105	Calculated	44.2	Measured	0.007	Measured	6319.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	20	1	563		247.6	Measured	0.039	Calculated	665.3	Measured	0.105	Calculated	44.4	Measured	0.007	Measured	6343.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	21	1	564		300.1	Measured	0.047	Calculated	666.4	Measured	0.105	Calculated	44.5	Measured	0.007	Measured	6353.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	22	1	564		318.1	Measured	0.05	Calculated	666.5	Measured	0.105	Calculated	50.8	Measured	0.008	Measured	6355.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/20/2025	23	1	563		325.7	Measured	0.051	Calculated	667.4	Measured	0.105	Calculated	95.4	Measured	0.015	Measured	6363.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	0	1	564		331.6	Measured	0.052	Calculated	674.6	Measured	0.105	Calculated	64.3	Measured	0.01	Measured	6431.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	1	1	564		310.6	Measured	0.048	Calculated	675.9	Measured	0.105	Calculated	51.6	Measured	0.008	Measured	6444.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	2	1	564		308	Measured	0.048	Calculated	672	Measured	0.105	Calculated	51.3	Measured	0.008	Measured	6407	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	3	1	563		304.2	Measured	0.048	Calculated	669.7	Measured	0.105	Calculated	76.6	Measured	0.012	Measured	6385.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	4	1	562		314.7	Measured	0.05	Calculated	663.2	Measured	0.105	Calculated	50.6	Measured	0.008	Measured	6323.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	5	1	562		307.5	Measured	0.048	Calculated	669.1	Measured	0.105	Calculated	51	Measured	0.008	Measured	6379.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	6	1	564		300.6	Measured	0.047	Calculated	669.6	Measured	0.105	Calculated	44.7	Measured	0.007	Measured	6384.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	7	1	564		319.2	Measured	0.05	Calculated	671.1	Measured	0.105	Calculated	51.2	Measured	0.008	Measured	6399	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	8	1	563		329.5	Measured	0.052	Calculated	670.2	Measured	0.105	Calculated	63.9	Measured	0.01	Measured	6390.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	9	1	563		322.1	Measured	0.05	Calculated	669.7	Measured	0.105	Calculated	51.1	Measured	0.008	Measured	6385.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	10	1	563		306.6	Measured	0.047	Calculated	677.2	Measured	0.105	Calculated	51.7	Measured	0.008	Measured	6457	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	11	1	562		333.2	Measured	0.052	Calculated	676.6	Measured	0.105	Calculated	51.6	Measured	0.008	Measured	6450.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	12	1	564		313.5	Measured	0.049	Calculated	676.6	Measured	0.105	Calculated	64.5	Measured	0.01	Measured	6451	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	13	1	563		298.5	Measured	0.047	Calculated	668.9	Measured	0.105	Calculated	51	Measured	0.008	Measured	6378	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	14	1	563		285	Measured	0.045	Calculated	668.9	Measured	0.105	Calculated	63.8	Measured	0.01	Measured	6377.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	15	1	562		292.2	Measured	0.046	Calculated	668.9	Measured	0.105	Calculated	63.8	Measured	0.01	Measured	6377.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	16	1	563		320.1	Measured	0.05	Calculated	670.6	Measured	0.105	Calculated	70.3	Measured	0.011	Measured	6394.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	17	1	563		307.8	Measured	0.048	Calculated	667.5	Measured	0.105	Calculated	70	Measured	0.011	Measured	6364.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	18	1	563		306.2	Measured	0.048	Calculated	666.3	Measured	0.105	Calculated	50.8	Measured	0.008	Measured	6353	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	19	1	563		303.9	Measured	0.048	Calculated	665.2	Measured	0.105	Calculated	50.7	Measured	0.008	Measured	6342.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	20	1	562		302.3	Measured	0.048	Calculated	665.6	Measured	0.105	Calculated	50.8	Measured	0.008	Measured	6346.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	21	1	563		296.4	Measured	0.046	Calculated	670.4	Measured	0.105	Calculated	51.1	Measured	0.008	Measured	6391.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	22	1	563		309.8	Measured	0.049	Calculated	668.7	Measured	0.105	Calculated	70.1	Measured	0.011	Measured	6375.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/21/2025	23	1	563		327.2	Measured	0.052	Calculated	665.5	Measured	0.105	Calculated	177.7	Measured	0.028	Measured	6345.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	0	1	562		315.7	Measured	0.05	Calculated	663.8	Measured	0.105	Calculated	158.2	Measured	0.025	Measured	6329.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	1	1	564		313.3	Measured	0.05	Calculated	662.5	Measured	0.105	Calculated	183.2	Measured	0.029	Measured	6316.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	2	1	563		279.7	Measured	0.044	Calculated	662.6	Measured	0.105	Calculated	195.8	Measured	0.031	Measured	6317.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	3	1	562		306	Measured	0.048	Calculated	664.3	Measured	0.105	Calculated	183.7	Measured	0.029	Measured	6334	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	4	1	562		292.9	Measured	0.046	Calculated	666.4	Measured	0.105	Calculated	184.3	Measured	0.029	Measured	6354.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	5	1	562		293.1	Measured	0.047	Calculated	660.9	Measured	0.105	Calculated	233.2	Measured	0.037	Measured	6301.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	6	1	563		289.9	Measured	0.046	Calculated	663.5	Measured	0.105	Calculated	215.1	Measured	0.034	Measured	6326.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	7	1	563		243.7	Measured	0.038	Calculated	673.2	Measured	0.105	Calculated	192.6	Measured	0.03	Measured	6418.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	8	1	563		255.1	Measured	0.039	Calculated	679.8	Measured	0.105	Calculated	175	Measured	0.027	Measured	6481.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	9	1	563		290.1	Measured	0.045	Calculated	678.3	Measured	0.105	Calculated	174.6	Measured	0.027	Measured	6467.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	10	1	563		299.8	Measured	0.046	Calculated	680.2	Measured	0.105	Calculated	194.6	Measured	0.03	Measured	6485.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	11	1	559		1434.8	Measured	0.229	Calculated	657.7	Measured	0.105	Calculated	194.4	Measured	0.031	Measured	6270.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	12	1	490		1766.7	Measured	0.329	Calculated	562.6	Measured	0.105	Calculated	123.4	Measured	0.023	Measured	5363.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	13	1	424		1588.8	Measured	0.34	Calculated	490.6	Measured	0.105	Calculated	566	Measured	0.121	Measured	4678	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	14	1	381		1440.9	Measured	0.331	Calculated	457	Measured	0.105	Calculated	832.2	Measured	0.191	Measured	4357	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	15	1	333		1167.2	Measured	0.311	Calculated	393.8	Measured	0.105	Calculated	593.2	Measured	0.158	Measured	3754.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	16	1	234		885.3	Measured	0.338	Calculated	274.4	Measured	0.105	Calculated	541.6	Measured	0.207	Measured	2616.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		8/22/2025	17	0.5	73		250.1	Measured	0.398	Calculated	65.95	Measured	0.105	Calculated	270.4	Measured	0.43	Measured	628.85	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/21/2025	18	0.03	0		0	Measured	0	Calculated	0	Measured	0	Calculated	0	Measured	0	Measured	0.03	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/21/2025	19	0.8	0		0	Measured	0	Calculated	0	Measured	0	Calculated	0	Measured	0.005	Measured	0.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/21/2025	20	1	0		0.8	Measured	0.01	Calculated	8.7	Measured	0.105	Calculated	0.8	Measured	0.01	Measured	83.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/21/2025	21	1	0		0.9	Measured	0.006	Calculated	15.1	Measured	0.105	Calculated	2.2	Measured	0.015	Measured	143.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/21/2025	22	1	0		0.9	Measured	0.008	Calculated	12.3	Measured	0.105	Calculated	2.2	Measured	0.019	Measured	117.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/21/2025	23	1	0		0.9	Measured	0.008	Calculated	12.3	Measured	0.105	Calculated	2.8	Measured	0.024	Measured	116.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	0	1	0		0.9	Measured	0.008	Calculated	12.2	Measured	0.105	Calculated	3.5	Measured	0.03	Measured	116.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	1	1	0		0.9	Measured	0.008	Calculated	12.2	Measured	0.105	Calculated	3.7	Measured	0.032	Measured	115.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	2	1	0		0.9	Measured	0.008	Calculated	12.2	Measured	0.105	Calculated	3.9	Measured	0.034	Measured	116	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	3	1	0		0.9	Measured	0.01	Calculated	9.1	Measured	0.105	Calculated	3	Measured	0.035	Measured	86.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	4	1	0		0.9	Measured	0.01	Calculated	9.1	Measured	0.105	Calculated	3	Measured	0.035	Measured	86.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	5	1	0		0.9	Measured	0.016	Calculated	6	Measured	0.105	Calculated	1.7	Measured	0.03	Measured	57.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	6	1	0		0.9	Measured	0.032	Calculated	3	Measured	0.106	Calculated	0.5	Measured	0.019	Measured	28.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	7	1	0		0.9	Measured	0.032	Calculated	3	Measured	0.106	Calculated	0.6	Measured	0.02	Measured	28.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	8	1	0		0.9	Measured	0.01	Calculated	9	Measured	0.105	Calculated	2.5	Measured	0.029	Measured	85.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	9	1	0		0.9	Measured	0.016	Calculated	6	Measured	0.105	Calculated	1.4	Measured	0.024	Measured	57	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	10	1	0		0.9	Measured	0.016	Calculated	6	Measured	0.105	Calculated	1.3	Measured	0.023	Measured	57.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	11	1	0		0.9	Measured	0.011	Calculated	9	Measured	0.105	Calculated	2	Measured	0.023	Measured	85.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		9/22/2025	12	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.104	Calculated	1.4	Measured	0.025	Measured	56.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	13	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.104	Calculated	1.5	Measured	0.027	Measured	56.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	14	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.105	Calculated	1.5	Measured	0.027	Measured	56.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	15	1	0		0.8	Measured	0.01	Calculated	8.7	Measured	0.105	Calculated	2.3	Measured	0.028	Measured	83	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	16	1	0		0.8	Measured	0.01	Calculated	8.7	Measured	0.105	Calculated	2.6	Measured	0.031	Measured	82.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	17	1	0		0.9	Measured	0.008	Calculated	11.7	Measured	0.104	Calculated	3.5	Measured	0.031	Measured	112	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	18	1	0		0.8	Measured	0.007	Calculated	11.6	Measured	0.105	Calculated	3.7	Measured	0.034	Measured	110.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	19	1	0		0.8	Measured	0.01	Calculated	8.7	Measured	0.105	Calculated	2.8	Measured	0.034	Measured	82.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	20	1	0		0.8	Measured	0.01	Calculated	8.7	Measured	0.105	Calculated	2.6	Measured	0.032	Measured	82.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	21	1	0		0.8	Measured	0.014	Calculated	5.8	Measured	0.105	Calculated	1.5	Measured	0.028	Measured	55.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	22	1	0		0.8	Measured	0.014	Calculated	5.8	Measured	0.104	Calculated	1.6	Measured	0.028	Measured	55.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/22/2025	23	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.105	Calculated	1.6	Measured	0.028	Measured	56.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	0	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.105	Calculated	1.5	Measured	0.027	Measured	56.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	1	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.105	Calculated	1.6	Measured	0.028	Measured	56.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	2	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.105	Calculated	1.6	Measured	0.028	Measured	56.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	3	1	0		0.9	Measured	0.016	Calculated	5.9	Measured	0.105	Calculated	1.6	Measured	0.028	Measured	56.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	4	1	0		0.9	Measured	0.011	Calculated	8.8	Measured	0.105	Calculated	2.9	Measured	0.034	Measured	84.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	5	1	0		0.9	Measured	0.008	Calculated	11.8	Measured	0.105	Calculated	4.5	Measured	0.04	Measured	112.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	6	1	0		0.9	Measured	0.008	Calculated	11.7	Measured	0.105	Calculated	4.3	Measured	0.038	Measured	111.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	7	1	0		0.9	Measured	0.011	Calculated	8.8	Measured	0.105	Calculated	2.9	Measured	0.035	Measured	83.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	8	1	0		47.1	Measured	0.195	Calculated	25.4	Measured	0.105	Calculated	33.4	Measured	0.138	Measured	242	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	9	1	0		89.3	Measured	0.363	Calculated	25.8	Measured	0.105	Calculated	42.4	Measured	0.172	Measured	246.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	10	1	0		246.1	Measured	0.448	Calculated	57.6	Measured	0.105	Calculated	171.4	Measured	0.312	Measured	549.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	11	1	11		332.4	Measured	0.485	Calculated	71.9	Measured	0.105	Calculated	246.9	Measured	0.36	Measured	685.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	12	1	22		365	Measured	0.489	Calculated	78.3	Measured	0.105	Calculated	285.3	Measured	0.382	Measured	746.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	13	1	24		337	Measured	0.498	Calculated	71	Measured	0.105	Calculated	251	Measured	0.371	Measured	676.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	14	1	46		407.8	Measured	0.503	Calculated	85	Measured	0.105	Calculated	304.9	Measured	0.376	Measured	810.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	15	1	100		703.4	Measured	0.496	Calculated	148.6	Measured	0.105	Calculated	656	Measured	0.463	Measured	1416.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	16	1	184		1255.1	Measured	0.531	Calculated	247.8	Measured	0.105	Calculated	467.9	Measured	0.198	Measured	2363.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	17	1	272		1663.6	Measured	0.515	Calculated	338.6	Measured	0.105	Calculated	493.9	Measured	0.153	Measured	3228.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	18	1	318		2046.7	Measured	0.556	Calculated	386	Measured	0.105	Calculated	526.2	Measured	0.143	Measured	3680	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	19	1	324		2001.5	Measured	0.547	Calculated	383.8	Measured	0.105	Calculated	523.3	Measured	0.143	Measured	3659.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	20	1	318		1839.3	Measured	0.519	Calculated	371.5	Measured	0.105	Calculated	503	Measured	0.142	Measured	3542.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	21	1	324		1807.5	Measured	0.507	Calculated	374	Measured	0.105	Calculated	502.8	Measured	0.141	Measured	3566.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	22	1	322		1839.8	Measured	0.517	Calculated	373	Measured	0.105	Calculated	501.4	Measured	0.141	Measured	3556.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/23/2025	23	1	325		1825.2	Measured	0.513	Calculated	373.2	Measured	0.105	Calculated	494.7	Measured	0.139	Measured	3558.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	0	1	325		1853	Measured	0.525	Calculated	370.2	Measured	0.105	Calculated	490.6	Measured	0.139	Measured	3529.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	1	1	324		1826	Measured	0.521	Calculated	367.5	Measured	0.105	Calculated	490.5	Measured	0.14	Measured	3503.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	2	1	324		1797.5	Measured	0.513	Calculated	367.4	Measured	0.105	Calculated	483.4	Measured	0.138	Measured	3502.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	3	1	323		1796.1	Measured	0.512	Calculated	367.6	Measured	0.105	Calculated	480.1	Measured	0.137	Measured	3504.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	4	1	325		1826	Measured	0.514	Calculated	372.7	Measured	0.105	Calculated	483.3	Measured	0.136	Measured	3553.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	5	1	281		1513.3	Measured	0.508	Calculated	312.5	Measured	0.105	Calculated	438	Measured	0.147	Measured	2979.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	6	1	165		937.6	Measured	0.496	Calculated	198.2	Measured	0.105	Calculated	555.5	Measured	0.294	Measured	1889.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	7	1	48		429.3	Measured	0.505	Calculated	89.2	Measured	0.105	Calculated	296.1	Measured	0.348	Measured	850.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	8	1	8		164.6	Measured	0.479	Calculated	36	Measured	0.105	Calculated	65.6	Measured	0.191	Measured	343.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	9	1	81		637.3	Measured	0.516	Calculated	129.4	Measured	0.105	Calculated	502.2	Measured	0.407	Measured	1234	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	10	1	150		959.6	Measured	0.524	Calculated	192	Measured	0.105	Calculated	525.5	Measured	0.287	Measured	1831	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	11	1	219		1381.5	Measured	0.511	Calculated	283.8	Measured	0.105	Calculated	506	Measured	0.187	Measured	2705.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	12	1	282		1652.5	Measured	0.504	Calculated	344.1	Measured	0.105	Calculated	439.7	Measured	0.134	Measured	3281.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	13	1	345		1970	Measured	0.509	Calculated	406	Measured	0.105	Calculated	538.1	Measured	0.139	Measured	3871.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	14	1	401		2307.7	Measured	0.527	Calculated	459.3	Measured	0.105	Calculated	621.9	Measured	0.142	Measured	4379.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	15	1	453		2681	Measured	0.558	Calculated	504	Measured	0.105	Calculated	711.1	Measured	0.148	Measured	4805	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	16	1	453		2589.5	Measured	0.558	Calculated	487.1	Measured	0.105	Calculated	701.3	Measured	0.151	Measured	4644.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	17	1	544		3104	Measured	0.556	Calculated	585.2	Measured	0.105	Calculated	870.4	Measured	0.156	Measured	5579.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	18	1	567		3151.9	Measured	0.55	Calculated	601	Measured	0.105	Calculated	899.6	Measured	0.157	Measured	5730	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	19	1	596		3389.2	Measured	0.565	Calculated	629.7	Measured	0.105	Calculated	936.6	Measured	0.156	Measured	6003.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	20	1	624		3402.4	Measured	0.545	Calculated	655.3	Measured	0.105	Calculated	987.2	Measured	0.158	Measured	6247.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	21	1	626		2237.8	Measured	0.358	Calculated	655.9	Measured	0.105	Calculated	981.8	Measured	0.157	Measured	6253.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	22	1	626		2242.4	Measured	0.359	Calculated	654.8	Measured	0.105	Calculated	992.7	Measured	0.159	Measured	6243.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/24/2025	23	1	626		2329.7	Measured	0.375	Calculated	651	Measured	0.105	Calculated	993.2	Measured	0.16	Measured	6207.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	0	1	626		2089.6	Measured	0.336	Calculated	652.3	Measured	0.105	Calculated	988.9	Measured	0.159	Measured	6219.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	1	1	626		2027.5	Measured	0.327	Calculated	649.9	Measured	0.105	Calculated	979	Measured	0.158	Measured	6196.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	2	1	627		1941.3	Measured	0.314	Calculated	649.2	Measured	0.105	Calculated	971.8	Measured	0.157	Measured	6189.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	3	1	625		1965	Measured	0.319	Calculated	646	Measured	0.105	Calculated	967.1	Measured	0.157	Measured	6159.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	4	1	625		1990.5	Measured	0.324	Calculated	645.2	Measured	0.105	Calculated	959.7	Measured	0.156	Measured	6152.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	5	1	626		2386	Measured	0.386	Calculated	647.7	Measured	0.105	Calculated	951.1	Measured	0.154	Measured	6176.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	6	1	627		2720.7	Measured	0.441	Calculated	646.5	Measured	0.105	Calculated	955.5	Measured	0.155	Measured	6164.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	7	1	625		2727	Measured	0.442	Calculated	646.6	Measured	0.105	Calculated	826.1	Measured	0.134	Measured	6165.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	8	1	626		2585.9	Measured	0.423	Calculated	641.8	Measured	0.105	Calculated	905.7	Measured	0.148	Measured	6119.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	9	1	626		2219.6	Measured	0.356	Calculated	654.5	Measured	0.105	Calculated	879.9	Measured	0.141	Measured	6240.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	10	1	626		2069.6	Measured	0.319	Calculated	680.8	Measured	0.105	Calculated	980.1	Measured	0.151	Measured	6491	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	11	1	625		2051.3	Measured	0.316	Calculated	680.5	Measured	0.105	Calculated	532	Measured	0.082	Measured	6488.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	12	1	624		1965.7	Measured	0.305	Calculated	676.2	Measured	0.105	Calculated	335.2	Measured	0.052	Measured	6447.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	13	1	625		1977.3	Measured	0.308	Calculated	674.1	Measured	0.105	Calculated	308.5	Measured	0.048	Measured	6427.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	14	1	626		1834.6	Measured	0.286	Calculated	671.7	Measured	0.105	Calculated	320.2	Measured	0.05	Measured	6404.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	15	1	626		1653.9	Measured	0.258	Calculated	672.1	Measured	0.105	Calculated	314	Measured	0.049	Measured	6407.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	16	1	621		1439.7	Measured	0.225	Calculated	669.7	Measured	0.105	Calculated	312.9	Measured	0.049	Measured	6385.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	17	1	552		931	Measured	0.159	Calculated	613.2	Measured	0.105	Calculated	193	Measured	0.033	Measured	5847.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	18	1	545		813.2	Measured	0.139	Calculated	612.3	Measured	0.105	Calculated	192.7	Measured	0.033	Measured	5837.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	19	1	544		670	Measured	0.114	Calculated	618.5	Measured	0.105	Calculated	200.5	Measured	0.034	Measured	5897.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	20	1	545		1116.7	Measured	0.189	Calculated	619.2	Measured	0.105	Calculated	183	Measured	0.031	Measured	5903.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	21	1	545		1448.3	Measured	0.252	Calculated	603	Measured	0.105	Calculated	207	Measured	0.036	Measured	5749.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	22	1	543		719.5	Measured	0.124	Calculated	609.2	Measured	0.105	Calculated	214.9	Measured	0.037	Measured	5808.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/25/2025	23	1	545		611.7	Measured	0.105	Calculated	610.7	Measured	0.105	Calculated	221.3	Measured	0.038	Measured	5823.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	0	1	544		641.8	Measured	0.109	Calculated	618.2	Measured	0.105	Calculated	224	Measured	0.038	Measured	5894.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	1	1	545		719.9	Measured	0.123	Calculated	613.7	Measured	0.105	Calculated	210.6	Measured	0.036	Measured	5851	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	2	1	544		757.8	Measured	0.129	Calculated	617.3	Measured	0.105	Calculated	217.8	Measured	0.037	Measured	5886	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	3	1	544		774.3	Measured	0.132	Calculated	617.1	Measured	0.105	Calculated	223.6	Measured	0.038	Measured	5883.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	4	1	545		768.6	Measured	0.13	Calculated	617.9	Measured	0.105	Calculated	223.9	Measured	0.038	Measured	5891.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	5	1	545		714.6	Measured	0.12	Calculated	622.1	Measured	0.105	Calculated	231.3	Measured	0.039	Measured	5931.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	6	1	544		715.1	Measured	0.121	Calculated	621	Measured	0.105	Calculated	230.9	Measured	0.039	Measured	5921.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	7	1	544		888.1	Measured	0.149	Calculated	627.1	Measured	0.105	Calculated	233.2	Measured	0.039	Measured	5979.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	8	1	544		709.2	Measured	0.119	Calculated	624.7	Measured	0.105	Calculated	232.3	Measured	0.039	Measured	5956.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	9	1	545		578.1	Measured	0.097	Calculated	625	Measured	0.105	Calculated	244.3	Measured	0.041	Measured	5959.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	10	1	544		559.3	Measured	0.094	Calculated	621	Measured	0.105	Calculated	219.1	Measured	0.037	Measured	5920.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	11	1	544		538.4	Measured	0.091	Calculated	620.1	Measured	0.105	Calculated	224.7	Measured	0.038	Measured	5912.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	12	1	544		519.4	Measured	0.088	Calculated	621.3	Measured	0.105	Calculated	213.3	Measured	0.036	Measured	5924.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	13	1	545		570.4	Measured	0.096	Calculated	620.4	Measured	0.105	Calculated	218.9	Measured	0.037	Measured	5915.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	14	1	544		511.2	Measured	0.086	Calculated	623.5	Measured	0.105	Calculated	220	Measured	0.037	Measured	5945.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	15	1	544		574.5	Measured	0.097	Calculated	621.2	Measured	0.105	Calculated	225.1	Measured	0.038	Measured	5922.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	16	1	543		595.1	Measured	0.101	Calculated	618.2	Measured	0.105	Calculated	224	Measured	0.038	Measured	5894.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	17	1	544		400.6	Measured	0.068	Calculated	621.7	Measured	0.105	Calculated	219.3	Measured	0.037	Measured	5927.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	18	1	544		326.4	Measured	0.055	Calculated	620.8	Measured	0.105	Calculated	219	Measured	0.037	Measured	5918.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	19	1	543		411.5	Measured	0.07	Calculated	617.8	Measured	0.105	Calculated	206.2	Measured	0.035	Measured	5890.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	20	1	544		337.2	Measured	0.058	Calculated	613.4	Measured	0.105	Calculated	216.4	Measured	0.037	Measured	5848.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	21	1	543		353.2	Measured	0.06	Calculated	615.1	Measured	0.105	Calculated	211.1	Measured	0.036	Measured	5864.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	22	1	544		472.9	Measured	0.08	Calculated	617.5	Measured	0.105	Calculated	217.8	Measured	0.037	Measured	5887.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/26/2025	23	1	544		490.8	Measured	0.083	Calculated	617	Measured	0.105	Calculated	229.4	Measured	0.039	Measured	5883.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	0	1	545		464.2	Measured	0.079	Calculated	617	Measured	0.105	Calculated	223.6	Measured	0.038	Measured	5883.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	1	1	543		490.3	Measured	0.084	Calculated	614.3	Measured	0.105	Calculated	222.6	Measured	0.038	Measured	5857	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	2	1	545		478.1	Measured	0.081	Calculated	617.8	Measured	0.105	Calculated	218	Measured	0.037	Measured	5890.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	3	1	545		491.6	Measured	0.083	Calculated	622.1	Measured	0.105	Calculated	231.3	Measured	0.039	Measured	5932	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	4	1	543		486.3	Measured	0.083	Calculated	617.6	Measured	0.105	Calculated	229.6	Measured	0.039	Measured	5888.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	5	1	543		412.1	Measured	0.07	Calculated	615.5	Measured	0.105	Calculated	234.7	Measured	0.04	Measured	5868.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	6	1	544		176.8	Measured	0.03	Calculated	624.3	Measured	0.105	Calculated	220.2	Measured	0.037	Measured	5952.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	7	1	545		97.6	Measured	0.016	Calculated	629.7	Measured	0.105	Calculated	222.2	Measured	0.037	Measured	6004.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	8	1	545		142.8	Measured	0.024	Calculated	630.4	Measured	0.105	Calculated	234.4	Measured	0.039	Measured	6010.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	9	1	546		102.1	Measured	0.017	Calculated	631	Measured	0.105	Calculated	228.6	Measured	0.038	Measured	6016.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	10	1	545		139.6	Measured	0.023	Calculated	631.4	Measured	0.105	Calculated	234.8	Measured	0.039	Measured	6019.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	11	1	544		160.8	Measured	0.027	Calculated	634.5	Measured	0.105	Calculated	235.9	Measured	0.039	Measured	6049.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	12	1	545		135.7	Measured	0.022	Calculated	636.8	Measured	0.105	Calculated	242.9	Measured	0.04	Measured	6071.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	13	1	545		94.8	Measured	0.016	Calculated	633.3	Measured	0.105	Calculated	247.6	Measured	0.041	Measured	6037.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	14	1	546		101.6	Measured	0.017	Calculated	632.9	Measured	0.105	Calculated	241.4	Measured	0.04	Measured	6034.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	15	1	545		106.9	Measured	0.018	Calculated	633.6	Measured	0.105	Calculated	247.7	Measured	0.041	Measured	6040.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	16	1	545		119	Measured	0.02	Calculated	627.5	Measured	0.105	Calculated	239.3	Measured	0.04	Measured	5983.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	17	1	546		104.2	Measured	0.017	Calculated	627.3	Measured	0.105	Calculated	245.2	Measured	0.041	Measured	5981.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	18	1	546		84.1	Measured	0.014	Calculated	636.6	Measured	0.105	Calculated	242.8	Measured	0.04	Measured	6069.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	19	1	545		60.4	Measured	0.01	Calculated	633.6	Measured	0.105	Calculated	253.7	Measured	0.042	Measured	6041.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	20	1	545		55.3	Measured	0.009	Calculated	640.8	Measured	0.105	Calculated	250.5	Measured	0.041	Measured	6109.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	21	1	546		48.6	Measured	0.008	Calculated	637.6	Measured	0.105	Calculated	255.3	Measured	0.042	Measured	6079.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	22	1	545		45.1	Measured	0.007	Calculated	637.9	Measured	0.105	Calculated	249.4	Measured	0.041	Measured	6082.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/27/2025	23	1	546		45.1	Measured	0.007	Calculated	637.3	Measured	0.105	Calculated	249.1	Measured	0.041	Measured	6076.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	0	1	545		41.9	Measured	0.007	Calculated	634.9	Measured	0.105	Calculated	248.2	Measured	0.041	Measured	6053.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	1	1	545		36.5	Measured	0.006	Calculated	638	Measured	0.105	Calculated	249.4	Measured	0.041	Measured	6082.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	2	1	546		36.4	Measured	0.006	Calculated	643	Measured	0.105	Calculated	245.2	Measured	0.04	Measured	6130.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	3	1	546		46.9	Measured	0.008	Calculated	643.5	Measured	0.105	Calculated	245.4	Measured	0.04	Measured	6136	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	4	1	545		55.5	Measured	0.009	Calculated	642.9	Measured	0.105	Calculated	251.3	Measured	0.041	Measured	6130.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	5	1	545		61	Measured	0.01	Calculated	640.3	Measured	0.105	Calculated	250.3	Measured	0.041	Measured	6105.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	6	1	546		61	Measured	0.01	Calculated	651.8	Measured	0.105	Calculated	236.2	Measured	0.038	Measured	6214.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air|Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

MI	J H Campbell	1710	3		9/28/2025	7	1	592		121.7	Measured	0.018	Calculated	709.3	Measured	0.105	Calculated	324.6	Measured	0.048	Measured	6762.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	8	1	628		74.3	Measured	0.01	Calculated	745.7	Measured	0.105	Calculated	362.6	Measured	0.051	Measured	7110.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	9	1	626		66.4	Measured	0.009	Calculated	742.6	Measured	0.105	Calculated	368.2	Measured	0.052	Measured	7080.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	10	1	627		102.4	Measured	0.014	Calculated	742.5	Measured	0.105	Calculated	382.3	Measured	0.054	Measured	7079.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	11	1	626		62.5	Measured	0.009	Calculated	741.7	Measured	0.105	Calculated	396	Measured	0.056	Measured	7071.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	12	1	628		80.2	Measured	0.011	Calculated	741.3	Measured	0.105	Calculated	367.5	Measured	0.052	Measured	7068.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	13	1	627		144.7	Measured	0.021	Calculated	738.6	Measured	0.105	Calculated	366.2	Measured	0.052	Measured	7042	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	14	1	627		53.2	Measured	0.008	Calculated	737.3	Measured	0.105	Calculated	358.5	Measured	0.051	Measured	7030.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	15	1	627		13.3	Measured	0.002	Calculated	721.8	Measured	0.105	Calculated	289.1	Measured	0.042	Measured	6882.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	16	1	628		11.4	Measured	0.002	Calculated	722.3	Measured	0.105	Calculated	261.7	Measured	0.038	Measured	6886.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	17	1	627		9.4	Measured	0.001	Calculated	718	Measured	0.105	Calculated	267	Measured	0.039	Measured	6845.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	18	1	627		11.3	Measured	0.002	Calculated	718.3	Measured	0.105	Calculated	232.9	Measured	0.034	Measured	6848.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	19	1	627		65.9	Measured	0.01	Calculated	717.7	Measured	0.105	Calculated	219	Measured	0.032	Measured	6842.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	20	1	627		26.4	Measured	0.004	Calculated	718.1	Measured	0.105	Calculated	232.8	Measured	0.034	Measured	6846.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	21	1	627		22.6	Measured	0.003	Calculated	711.7	Measured	0.105	Calculated	244.3	Measured	0.036	Measured	6785.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	22	1	627		35.8	Measured	0.005	Calculated	711	Measured	0.105	Calculated	257.6	Measured	0.038	Measured	6779.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/28/2025	23	1	627		82.9	Measured	0.012	Calculated	718.1	Measured	0.105	Calculated	267	Measured	0.039	Measured	6847	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	0	1	627		92.6	Measured	0.014	Calculated	713.5	Measured	0.105	Calculated	272.1	Measured	0.04	Measured	6803.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	1	1	628		101.8	Measured	0.015	Calculated	712.1	Measured	0.105	Calculated	278.4	Measured	0.041	Measured	6790	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	2	1	627		163.6	Measured	0.024	Calculated	716.9	Measured	0.105	Calculated	280.3	Measured	0.041	Measured	6835.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	3	1	627		208.2	Measured	0.031	Calculated	715	Measured	0.105	Calculated	286.3	Measured	0.042	Measured	6817.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	4	1	627		228.4	Measured	0.034	Calculated	713.7	Measured	0.105	Calculated	299.4	Measured	0.044	Measured	6804.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	5	1	634		158.6	Measured	0.023	Calculated	719.8	Measured	0.105	Calculated	370.6	Measured	0.054	Measured	6863.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	6	1	679		153.9	Measured	0.021	Calculated	762.5	Measured	0.105	Calculated	399.9	Measured	0.055	Measured	7270	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	7	1	690		82.2	Measured	0.011	Calculated	765.8	Measured	0.105	Calculated	467.3	Measured	0.064	Measured	7301.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	8	1	759		364	Measured	0.047	Calculated	812	Measured	0.105	Calculated	371.6	Measured	0.048	Measured	7742.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	9	1	759		215.4	Measured	0.028	Calculated	803.1	Measured	0.105	Calculated	367.5	Measured	0.048	Measured	7658.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	10	1	759		148	Measured	0.019	Calculated	811.6	Measured	0.105	Calculated	348.2	Measured	0.045	Measured	7738.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	11	1	760		178.6	Measured	0.023	Calculated	803.7	Measured	0.105	Calculated	352.5	Measured	0.046	Measured	7662.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	12	1	760		148.5	Measured	0.019	Calculated	800.5	Measured	0.105	Calculated	358.7	Measured	0.047	Measured	7632.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	13	1	760		521.4	Measured	0.07	Calculated	786.3	Measured	0.105	Calculated	352.4	Measured	0.047	Measured	7496.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	14	1	760		263.7	Measured	0.035	Calculated	779.1	Measured	0.105	Calculated	378.8	Measured	0.051	Measured	7428.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	15	1	760		327.1	Measured	0.044	Calculated	786.2	Measured	0.105	Calculated	382.3	Measured	0.051	Measured	7496.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	16	1	759		266	Measured	0.036	Calculated	779.8	Measured	0.105	Calculated	379.2	Measured	0.051	Measured	7434.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	17	1	760		233.6	Measured	0.031	Calculated	781.1	Measured	0.105	Calculated	387.3	Measured	0.052	Measured	7447.4	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	18	1	760		170.8	Measured	0.023	Calculated	784.5	Measured	0.105	Calculated	381.5	Measured	0.051	Measured	7479.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	19	1	760		164.4	Measured	0.022	Calculated	783.5	Measured	0.105	Calculated	381	Measured	0.051	Measured	7470.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	20	1	761		211.2	Measured	0.029	Calculated	774.6	Measured	0.105	Calculated	384	Measured	0.052	Measured	7385.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	21	1	760		218.2	Measured	0.03	Calculated	770.3	Measured	0.105	Calculated	374.6	Measured	0.051	Measured	7344.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	22	1	760		210.8	Measured	0.029	Calculated	772.5	Measured	0.105	Calculated	375.7	Measured	0.051	Measured	7365.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/29/2025	23	1	759		176.4	Measured	0.024	Calculated	772.6	Measured	0.105	Calculated	685.1	Measured	0.093	Measured	7366.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	0	1	760		162	Measured	0.022	Calculated	772	Measured	0.105	Calculated	1273.4	Measured	0.173	Measured	7360.7	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	1	1	760		170	Measured	0.023	Calculated	771.2	Measured	0.105	Calculated	389.7	Measured	0.053	Measured	7353	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	2	1	759		198.3	Measured	0.027	Calculated	764.3	Measured	0.105	Calculated	335.2	Measured	0.046	Measured	7287.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	3	1	760		192.4	Measured	0.026	Calculated	772	Measured	0.105	Calculated	368	Measured	0.05	Measured	7360.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	4	1	760		178.5	Measured	0.024	Calculated	773	Measured	0.105	Calculated	361.1	Measured	0.049	Measured	7369.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	5	1	760		178.3	Measured	0.024	Calculated	772.2	Measured	0.105	Calculated	375.5	Measured	0.051	Measured	7362.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	6	1	759		172	Measured	0.023	Calculated	785.1	Measured	0.105	Calculated	336.8	Measured	0.045	Measured	7485.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	7	1	760		131.7	Measured	0.017	Calculated	793.2	Measured	0.105	Calculated	355.5	Measured	0.047	Measured	7563.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	8	1	759		87.4	Measured	0.012	Calculated	789	Measured	0.105	Calculated	376.2	Measured	0.05	Measured	7523.1	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	9	1	761		121.9	Measured	0.016	Calculated	781.3	Measured	0.105	Calculated	372.5	Measured	0.05	Measured	7449.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	10	1	760		136.2	Measured	0.018	Calculated	774.8	Measured	0.105	Calculated	362	Measured	0.049	Measured	7387.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	11	1	759		124.4	Measured	0.017	Calculated	784.2	Measured	0.105	Calculated	336.5	Measured	0.045	Measured	7477	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	12	1	760		176	Measured	0.023	Calculated	787.2	Measured	0.105	Calculated	330.3	Measured	0.044	Measured	7505.9	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	13	1	759		161.5	Measured	0.022	Calculated	786.1	Measured	0.105	Calculated	322.3	Measured	0.043	Measured	7495.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	14	1	759		156.7	Measured	0.021	Calculated	782.6	Measured	0.105	Calculated	313.4	Measured	0.042	Measured	7461.6	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	15	1	760		150.2	Measured	0.02	Calculated	773.7	Measured	0.105	Calculated	302.5	Measured	0.041	Measured	7377.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	16	1	760		182.4	Measured	0.025	Calculated	772.5	Measured	0.105	Calculated	294.6	Measured	0.04	Measured	7365.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	17	1	760		287.6	Measured	0.039	Calculated	765.1	Measured	0.105	Calculated	299.1	Measured	0.041	Measured	7294.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	18	1	760		305.1	Measured	0.042	Calculated	768.2	Measured	0.105	Calculated	300.3	Measured	0.041	Measured	7325	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	19	1	759		178.9	Measured	0.024	Calculated	774.7	Measured	0.105	Calculated	302.9	Measured	0.041	Measured	7386.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	20	1	759		199.5	Measured	0.027	Calculated	775.8	Measured	0.105	Calculated	303.3	Measured	0.041	Measured	7396.8	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	21	1	759		253.1	Measured	0.034	Calculated	771	Measured	0.105	Calculated	308.8	Measured	0.042	Measured	7351.5	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	22	1	760		171.3	Measured	0.023	Calculated	770.5	Measured	0.105	Calculated	308.5	Measured	0.042	Measured	7346.3	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		9/30/2025	23	1	760		179.7	Measured	0.024	Calculated	771.1	Measured	0.105	Calculated	316.1	Measured	0.043	Measured	7352.2	Measured	Coal		Dry bottom wall-fired boiler	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air | Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 134

MISO Manual on Resource Adequacy

Manual No. 011

Business Practices Manual

RESOURCE ADEQUACY

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Revision History

Doc Number	Description	Revised by:	Effective Date
BPM-011-r31	Included language related to Final PRMR allocation process in Section 5.6 and other editorial changes Updated PRA Formulations in Appendix M	MISO Staff	FEB-21-2025
BPM-011-r30	Annual Review Complete including UCAP/ISAC ratio related process improvement, GADS events/performance submission, timeline change for multiple process such as state notifying MISO on utilizing their own PRM, full responsibility transactions, confirm/convert SAC etc, edits for RBDC (MRI/RBDC curve development, RBDC opt out process, PRMR determinations for PRA and settlements etc)	MISO Staff	OCT-01-2024
BPM-011-r29	Annual Review Complete. Edits include GVTC test extension updates, 31-day rule and ZRC replacement updates, LMR and ER registration updates, OY CIL CEL removal Appendix K timeline updates and Attachment Y updates to schedule 53 resources and the UCAP/ISAC ratio process and timeline.	N. Przybilla	OCT-01-2023
BPM-011-r28	Clarify and add additional context surrounding ZRC replacement and the 31-day outage rule in section 6.4 while ensuring language is consistent with Module E-1 of the MISO Tariff.	N. Przybilla	May-31-2023
BPM-011-r27	Updates to all sections to facilitate the implementation of seasonal auctions & seasonal accreditation (FERC Docket No. ER22-495). Includes updates from annual BPM review	MISO Staff	October-31-2022
BPM-011 r26	Replacement of 4.2.12 Battery Storage Accreditation with Electric Storage Resource. Add Electric Storage Resource to section 4.2.8. BTMG Qualification Requirements. Update Appx K. Correct Appendix N – Demand and Energy Forecast Characteristics.	M. Guerriero	AUG-15-2022
BPM-011-r25	2021 Annual review complete. Edits include: Hybrid resources, detail added to States establishing PRM, detail for 90/120 day outages, clarification for BTMG wind UCAP, Updated to	MISO Staff	JUL-01-2021

	reference new DSRI tool instead of MCS, updated RAN related LMR accreditation (ER20-1846), new DR Test Deferral process, Battery Storage accreditation, reorganized Appx I XEFORd, added Process Load reporting section, updated App K Timeline.		
BPM-011-r24	2020 Annual review complete. Edits include new Appendix W (DR LOLE), Deliverable ICAP (ER20-1942, ER20-2005), GVTC testing clarification, ZDB example, and other minor clarifications.	G. Alexander	DEC-15-2020
BPM-011-r23	Revisions to address treatment of resources on long term outage which FERC approved under Dock No. ER20-129-000.	T. Bachus	MAR-31-2020
BPM-011-r22	2019 Annual Review Complete. Edits include: general clean up, ER19-2559 (PRA Process Timeline) & ER18-2363 (Locational Filing), web links, ER UCAP intermittent qualification, Appx R CONE calculation, removing Att W (ER19-650 RAN Phase 1 LMR filing) by imbedding language into applicable LMR sections.	E. Thoms	OCT-1-2019
BPM-011-r21	Added LMR Registration FAQ to address ER19-650-000	E. Thoms	FEB-20-2019
BPM-011-r20	Multiple updates. Revisions supporting changes to the out-year transfer study process. Additional revisions to support the Module E-1, Locational Tariff update which created External Resource Zones and several other changes.	M. Sutton	NOV-01-2018
BPM-011-r19	Revisions to Section 4.2.8 clarifying language when a Qualifying Facility participates as a BTMG. Addition of SER Type II resource. Annual Review completed.	J. Harmon	SEP-28-2018
BPM-011-r18	Annual Review Complete Includes revisions to Section 4.2.8.5 clarifying deliverability options for BTMG.	J. Harmon	JAN-22-2018
BPM-011-r17	Annual Review Complete	J. Harmon	AUG-25-2017
BPM-011-r16	Several updates. Updated Wind UCAP values; added section regarding Solar capacity credit; Revised provisions for Zonal Deliverability Benefit; Inclusion of Suspended resources in the PRA; Retail Choice coincident load forecast reporting process. Annual Review completed.	J. Harmon	JUL-15-2016

BPM-011-r15	Annual Review completed. Included Inter-zonal replacement, sub regional constraints in PRA, PRMR and LCR relationship, external resource and host BA qualification requirements, GVTC deferral, and refueling versus repowering. Additions to section 5.2.1 for Local Resource Zone reevaluation process and Generation Limited Transfers	J. Milli / M. Sutton / S. Quadri / J. Cole / R. Westphal	SEP-01-2015
BPM-011-r14	Annual Review completed. Remove netting of Demand Response. Update SFT and Transfer Analysis provisions.	J. Milli	SEP-01-2014
BPM-011-r13	Updated LRZ map, timeline, and added catastrophic outage provisions	C. Clark	JAN-01-2014
BPM-011-r12	Annual review and updated to reflect Tariff orders	C. Clark	AUG-01-2013
BPM-011-r11	Updated to reflect Module E-1-1 Tariff	C. Clark	OCT-01-2012
BPM-011-r10	Updated GVTC language for Hydro and ROR.	C. Clark	SEP-28-2012
BPM-011-r9	Annual Review completed and Updated Registration tables and added new section for qualifying PPAs.	C. Clark	APR-15-2012
BPM-011-r8	MISO Rebranding Changes JUL-19-2011	G. Krebsbach	JUN-13-2011
BPM-011-r8	Annual Review and added Dispatchable Intermittent Resource, minor clarifications	C. Clark	JUN-13-2011
BPM-011-r7	Updated UCAP calculations for plan year 2011/2012, undated must offer provisions, updated External Resources cross-border deliverability provisions, updated minor clarifications	M. Heraeus / C. Clark	Dec-1-2010
BPM-011-r6	Corrected errors and added “must offer” language and Units with Low Service Hours	M. Heraeus / C. Clark	JUN-1-2010
BPM-011-r5	Corrected errors and inadvertent omissions	M. Heraeus	MAR-3-2010
BPM-011-r4	Resource Adequacy Improvements Tariff Filing updates. Changed numbering to BPM -011	K. Larson	DEC-21-2009
TP-BPM-003-r3	Removed stakeholder comments from section 6.4 that were provided during drafting of TP-BPM-003-r2. Amended section 4.4.3.14.4.3.1.	T. Hillman	JUN-01-2009
TP-BPM-003-r2	Revised to reflect the December 28th, 2007 (ER08-394) filing and subsequent Commission required compliance filings through May 2009 to revise Module E-1 to comprehensively address long-term Resource Adequacy Requirements	T. Hillman	JUN-01-2009
TP-BPM-003-r1	Revised to reflect Open Access Transmission, Energy and Operating Reserve Markets Tariff for	J Moser	JAN-06-2009

	the Midwest ISO, Inc. (Tariff) relating to implementation of the Day-Ahead and Real-Time Energy and Ancillary Services Markets and to integrate proposed changes to the Balancing Authority Agreement.		
TP-BPM-003	Updated template	J. Moser	APR-01-2008
N/A	Section 3.2.1 Determination of Requirements – Non-valid statements were removed. Section 3.2.3 Default Requirements – Minor revisions were made for clarification. Section 3.2.4 Compliance with the Midwest ISO Requirements – Paragraph on after-the-fact ECAR “must offer” compliance was removed. Section 4.1 Commercial Pricing Node Load Forecast – Minor revisions were made for clarification. Section 5.2.1 Procedure for Designating a Network Resource for Resource Adequacy Purposes – LD Contracts bullet updated to reflect FERC Order 890. Section 5.2.3 Designating Network Resources External to the Midwest ISO – The second bullet point was revised for clarification. Section 5.3 Determination of Compliance with Network Resource Requirements – This section was deleted. Section 5.4 (5.3) Network Resource Must Offer Requirement – Paragraph on after-the-fact ECAR “must offer” compliance was removed. Section 5.5 Financial Transmission Rights – This section was deleted. Section 5.6 (5.4) Updating Network Resource Designations – RE references have been updated to reflect the current NERC Regions. Section 6.1.3 Liquidated Damage and Similar Contracts – Entire section updated to reflect FERC Order 890. Section 6.1.4 Hubbing Transactions – This section was deleted. Section 8 Data Requirements – Entire section updated to reflect FERC order 890		DEC-12-2007

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1 Introduction

This introduction to the Midcontinent Independent System Operator, Inc. (MISO) *Business Practices Manual (BPM)* for Resource Adequacy Requirements includes basic information about this BPM and the other MISO BPMs. The first section (Section 1.1) of this Introduction provides information about the MISO BPMs. The second section (Section 1.2) is an introduction to this BPM. The third section (Section 1.3) identifies other documents in addition to the BPMs, which can be used by the reader as references when reading this BPM.

1.1 Purpose of the MISO Business Practices Manuals

The BPMs developed by MISO provide background information, guidelines, business rules, and processes established by MISO for the operation and administration of the MISO markets, provisions of transmission reliability services, and compliance with the MISO settlements, billing, and accounting requirements. A complete list of MISO BPMs is available for reference through MISO's website.

1.2 Purpose of this Business Practices Manual

This Resource Adequacy Business Practices Manual describes MISO's and other entities' roles and responsibilities related to maintaining Resource Adequacy, which is ensuring that Load Serving Entities (LSE) serving Load in the MISO Region have sufficient Planning Resources to meet their anticipated peak Demand requirements plus an appropriate reserve margin.

The Resource Adequacy BPM will conform and comply with MISO's Energy Markets Tariff, NERC operating policies, and the applicable Regional Entity (RE) reliability principles, guidelines, and standards to facilitate administration of efficient Energy Markets.

This document benefits readers who want answers to the following questions regarding the Resource Adequacy Requirements (RAR).

- How is Resource Adequacy determined?
- How do the multiple state jurisdictions relate regarding Resource Adequacy Requirements (RAR)?
- What are the responsibilities of the different entities regarding Resource Adequacy?
- How are specific resources identified and qualified, including contracted resources, for Resource Adequacy purposes?
- What is a Zonal Resource Credit (ZRC) and how can it be used to comply with RAR?
- What are the deliverability requirements for Planning Resources?

- How are Demand Response Resources (DRR Type I and Type II) incorporated in the Resource Adequacy process?
- How does an LSE comply with its obligations under the changes to Module E-1 of the Tariff?
- What are the procedures for participating in Planning Resource Auctions?
- What are the settlement provisions for the Planning Resource Auctions?
- What are the procedures for tracking and settling retail and wholesale customer switches?

This document provides the necessary detail to aid a MISO Market Participant's (MP) understanding of its primary responsibilities and obligations to the reliable operation of MISO's Balancing Authority Footprint, as a result of MISO's Resource Adequacy Requirements.

1.3 References

Other reference information related to this document includes:

- MISO BPMs
- MISO's Open Access Transmission, Energy and Operating Reserve Markets Tariff
- NERC – Resource and Transmission Adequacy Recommendations, dated June 15, 2004
- Federal Energy Regulatory Commission (FERC) Order Nos. 890, Order 890 - A, and Order 890 -B.
- Module E Capacity Tracking (MECT) tool Users Guide
- LOLE Study Reports
- Wind & Solar Capacity Credit Report
- PowerGADS User's Manual
- CIL/CEL Study Reports

2 Overview of Resource Adequacy

Achieving reliability in bulk electric systems requires, among other things, that the amount of resources exceeds customer Demand by an adequate margin. The margins necessary to promote Resource Adequacy needs to be assessed on both a near-term operational basis and on a longer-term planning basis.

The focus of Resource Adequacy is on the longer-term planning margins that are used to provide sufficient resources to reliably serve Load on a forward-looking basis. In the real-time operational environment, resources committed through the Resource Adequacy Requirements have a capacity obligation to be available to meet real-time customer Demand and contingencies. Therefore, Planning Reserve Margins (PRMs) must be sufficient to cover:

- Planned maintenance
- Unplanned or forced outages of generating equipment
- Deratings in the capability of Generation Resources and Demand Response Resources
- System effects due to reasonably anticipated variations in weather
- Load Forecast Uncertainty

2.1 Planning Reserve Margin Requirement Overview

Each LSE's total obligation will be referred to as the Planning Reserve Margin Requirement (PRMR). Coincident Peak Demand forecasts are submitted by LSEs using a 50%/50% forecast (50% probability the forecast will be over, and 50% probability the forecast will be under, the projected peak Demand) which will include distribution losses. An LSE's Initial Planning Reserve Margin Requirement (Initial PRMR) is described in Section 3 (Establishing Initial Planning Reserve Margin Requirements) of this BPM.

2.2 Planning Resources Overview

The resources used to achieve long-term Resource Adequacy are called Planning Resources, and consist of Capacity Resources, Load Modifying Resources and Energy Efficiency Resources. The relationships and key attributes of the Planning Resource types are as follows:

- Capacity Resources consist of electrical generating units, stations known as Generation Resources, External Resources (if located outside of the MISO Balancing Authority Area), Electric Storage Resources (ESR), Hybrid Resources, and resources that can be dispatched to reduce Demand known as Demand Response Resources that participate in the Energy and Operating Reserves Market

and are available during Emergencies. Thermal Generation Resources are accredited based on the methodology described in Appendix Y (Schedule 53 Resources). Wind Resources will be accredited based on the ELCC study that MISO conducts. Non-wind intermittent generation resources will be accredited based on historical performance during the critical hours within each Season, where new resources will receive the class average for that resource type until enough historical data is accrued. Non-Schedule 53 Capacity Resources that report to GADS are quantified by applying seasonal forced outage rates to Installed Capacity (ICAP) values to calculate the Seasonal Accredited Capacity (SAC) for the resource.

- Load Modifying Resources (LMR) include Behind-the-Meter Generation (BTMG) and Demand Resources (DR) which are available during capacity and transmission Emergencies declared by MISO if used to meet Module E-1 requirements.
- Energy Efficiency Resources include installed measures on retail customer facilities that achieve a permanent reduction in electric Energy usage while maintaining a comparable quality of service.

A Market Participant (MP) can use Capacity Resources, LMRs, and Energy Efficiency Resources, up to their SAC values, to comply with their Resource Adequacy Requirements via a Fixed Resource Adequacy Plan or Reliability Based Demand Curve Opt Out (RBDC Opt Out) as described in Section 5.3 (Pre-PRA arrangement of capacity scheduling) of this BPM, or through self-scheduling their Zonal Resource Credits in the Planning Resource Auction(s) (PRA) as detailed in Section 5.5.6 (Resource Offers) of this BPM. A Market Participant can also sell ZRCs from Capacity Resources, LMRs, and Energy Efficiency Resources bilaterally before the Planning Resource Auction(s) or offer them in the Planning Resource Auction(s) as described in Section 5.5 (Planning Resource Auction) of this BPM.

MISO will determine Seasonal Accredited Capacity (SAC) values for all qualified Capacity Resources, Load Modifying Resources and for all Energy Efficiency Resources for each Season within the Planning Year.

2.3 Resource Adequacy Requirements Overview

Planning Resources that clear the Planning Resource Auction(s) (PRA) or that are designated in a Fixed Resource Adequacy Plan (FRAP) or RBDC Opt Out will be obligated to provide capacity in the Day-Ahead and Real Time Markets (DA/RT) for each Season cleared within the Planning Year unless replaced by another Planning Resource, as per Module E-1 Section 69A.3.1.h. Capacity Replacement Non-Compliance Charge(s) (CRNCC) may be applicable as

per Module E-1 Section 69A.3.1h. Load Serving Entities (LSEs) that serve Load during the Planning Year will be obligated to pay for capacity from Planning Resources in the PRA pursuant to the relevant Auction Clearing Price (ACP) for the Local Resource Zone (LRZ) where the Load is located unless the Planning Resource was designated in a FRAP or RBDC Opt Out.

LSEs that have a Planning Reserve Margin Requirement (PRMR) will be obligated to procure capacity equal to their Final PRMR pursuant to the relevant ACP for the LRZ where they have PRMR unless, and to the extent that the LSE meets its Final PRMR via a FRAP or RBDC Opt Out per Section 5.3 of this BPM, or unless and to the extent that the LSE chooses to reduce its Final PRMR that is cleared in a given auction(s) by electing to pay the Capacity Deficiency Charge per Section 5.7 of this BPM.

2.4 Settlements/Performance Requirements Overview

The seasonal Planning Reserve Margin Requirement (PRMR) obligations of LSEs will be established for each Season of the Planning Year and will be settled based upon the applicable Planning Resource Auction(s) (PRA) clearing price for an LSE's Final Planning Reserve Margin Requirement, unless covered by a FRAP or RBDC Opt Out, or unless the LSE elects to pay the Capacity Deficiency Charge. Once each planning period begins, LSEs and MPs will have the corresponding charges and credits from each applicable PRA included on their daily settlement statements for all loads and Planning Resources cleared in a PRA as documented in further detail in the Market Settlements BPM.

LMRs with ZRCs that either cleared the PRA or were used in a FRAP or RBDC Opt Out will have a performance obligation to be available during system Emergencies per section 4.2.7 (Demand Resource Qualification Requirements) iof this BPM.

3 Establishing Initial Seasonal Planning Reserve Margin Requirements

3.1 Overview

The Initial seasonal Planning Reserve Margin Requirement (PRMR) is the number of MWs in ZRCs required to meet an LSE's Resource Adequacy Requirements (RAR). The RAR is established to ensure that LSEs have enough Planning Resources to reliably serve load for the applicable Seasons.

The Initial seasonal PRMR is expressed in the following equation per Load Serving Entity (LSE) per Local Resource Zone (LRZ)

$$Initial\ PRMR_{LRZ} = \sum_{LBA}[(CPDf_{LBA} - FRP_{LBA} + FRS_{LBA}) \times (1 + TL_{LBA}\%) \times (1 + PRM_{RTO})]$$

Where attributes are seasonal for the following:
Initial $PRMR_{LRZ}$ = Initial Planning Reserve Margin Requirement per LRZ
$CPDf_{LBA}$ = Coincident Peak Demand forecast per LBA
FRP_{LBA} = Full Responsibility Purchase per LBA
FRS_{LBA} = Full Responsibility Sale per LBA
$TL_{LBA}\%$ = Transmission Loss Percentage of LBA
PRM_{RTO} = Planning Reserve Margin in Unforced Capacity set by LOLE Studies

3.1.1 Agency Contracts Supporting Resource Adequacy Requirements

An LSE may contract with other entities to comply with RAR. The contracted entity may perform functions on behalf of the applicable LSE including, but not limited to, submitting the LSE's forecasted CPD forecast or share of CPD forecast.

Each individual LSE is ultimately responsible for conformance with the RAR, even if the LSE enters a contract with a third party acting on its behalf. If requested by MISO, each LSE that contracts with another entity to comply with any part of the Resource Adequacy Requirements must notify MISO of the arrangement. The LSE must provide MISO with the name of the organization representing them, primary and alternate contact information for the individuals representing them, and the scope of responsibilities the contracted entity will provide.

3.1.2 Validation of Firm Transmission Service for Load

Each LSE shall document, as described in Module B – Transmission Service, to MISO that the LSE has obtained sufficient firm Transmission Service to serve its load for each Season in the Planning Year. Load not served by Network Integrated Transmission Service (NITS) must have Firm Point-to-Point Transmission Service or a firm Grandfathered Agreement (GFA), when applicable—however, Demand does not require firm MISO Transmission Service when the LSE meets its Initial PRMR using its own Behind-the-Meter Generation (BTMGs), Demand Resources (DRs), and Energy Efficiency Resources, and does not use the MISO Transmission System to serve such Demand.

Additionally, Energy Resource Interconnection Service (ERIS) requires a completed firm Transmission Service Request (TSR) submitted through OASIS OATI that has been approved by the Generation and Interchange team at MISO in order to be considered towards deliverability that is used to convert Seasonal Accredited Capacity (SAC) to Zonal Resource Credits (ZRCs). This information will be entered into the MECT on the Convert SAC screen by Market Participants (and in the Registrations screen, if applicable).

3.2 Demand and Energy Forecasts

MISO collects a variety of load forecasts for Resource Adequacy and other planning processes via the MECT tool. This section describes each of these forecasts and what entity is responsible for providing them. Please See Appendix O for the list of parties responsible for reporting Demand and Energy forecasts.

Demand and Energy forecasts that are not subject to retail choice load switching should be reported by the respective LSE. Demand and Energy forecasts that are subject to retail choice load switching should be reported by the respective Electric Distribution Company (EDC). The EDC calculates a Peak Load Contribution (PLC) MW value for each retail choice LSE that represents a share of the EDC's Initial PRMR. If an LSE disagrees with their PLC value calculated by their EDC, the LSE will work with its EDC to revise the PLC prior to the final EDC forecast submission deadline. See Appendix K for all Demand and Energy forecast deadlines.

All Demand (Energy) forecasts must reflect a 50% probability that the Demand (Energy) will not exceed the forecasted Demand (Energy) for the relevant time period. Any manual or ex-post adjustments to the forecasts derived from the LSE's chosen forecasting method that are offered

due to catastrophic event impacts (such as COVID-19) must be supported analytically and quantitatively.

For a detailed description of each forecast's characteristics refer to Appendix N.

3.2.1 Non-Coincident Peak Demand and Energy for Load Forecasts

Non-Coincident Peak Demand and Energy for Load forecasts are collected for the purposes of facilitating FERC Form 714 and NERC Modeling Data and Analysis (MOD) Standards reporting along with other planning processes at MISO.

The MISO FTR Administration team uses the Non-Coincident Peak forecast value for the upcoming planning year in the annual Auction Revenue Rights (ARR) allocation process. This forecast should not include transmission losses or Grandfathered Agreements (GFAs) but should include Demand Resources and Behind-The-Meter-Generation (BTMG). Load served by GFAs is reported separately via the same MECT section.

Please refer to NERC's Reliability MOD Standards for a complete definition for the non-Coincident Peak Demand forecast and FERC's Form 714 for the Energy for Load forecast. Below are general guidelines; if a conflict should arise between the guidelines below and the respective NERC standards documents, defer to the latter.

The Non-Coincident Peak Demand and Energy for Load forecasts are reported on a monthly basis for forecast years 1 and 2 and on a seasonal basis for forecast years 3 through 10.

Seasons for the purposes of these forecasts are defined as shown below:

Summer: June through August
Fall: September through November
Winter: December through February
Spring: March through May

For seasonal reporting of the Non-Coincident Peak Demand forecast, the single highest peak hour during the Season should be reported in MW. The ARR allocation section of the Non-Coincident Peak Demand Forecast submission screen, should be calculated and submitted on an annual peak for a given Planning Year for use in the FTR annual Auction Revenue Rights process. For Energy for Load forecasts, the summation of each month or season's Energy for load (GWh) should be reported as appropriate.

For all forecasts submitted, each LSE shall ensure that it counts its customer Demand once and only once.

Non-Coincident Peak Demand and Energy for Load forecast must be reported in the MECT by 11:59 pm EST on November 1 prior to the Planning Year.

For a detailed description of each forecast's characteristics refer to Appendix N.

3.2.2 Coincident Peak Demand Forecast

The seasonal Coincident Peak Demand forecasts (CPD forecast) are used as the basis for determining each LSE's seasonal obligation. The seasonal CPD forecasts shall be based upon considerations including, but not limited to, average historical weather conditions, economic conditions and expected Load changes (addition or subtraction of Demand).

For a detailed description of each forecast's characteristics refer to Appendix N.

A document describing the desired approach to be used by LSEs in preparing the seasonal CPD forecasts, the information required in each annual filing, and the process used in reviewing the CPD Forecasts can be found on MISO's website: Peak Forecasting Methodology Review Whitepaper. This document was written for when LSEs submitted an annual Coincident Peak Forecast, but the same methodology described in the paper can be performed at a seasonal level.

The seasonal CPD forecasts must be provided for each Asset Owner/LBA combination. Providing the CPD forecasts by Asset Owner is required by MISO's settlements process. Reporting by LBA allows MISO to apply the appropriate seasonal Transmission Losses towards the Initial PRMR and Final PRMR calculation. Seasonal Transmission Losses will be made available on the public website by MISO for each LBA. For more information on Transmission Losses see Appendix L.

The CPD forecasts must be reported via the MECT tool by 11:59 EST on November 1 prior to the Planning Year.

The CPD forecasts are reported differently in non-retail choice and retail choice areas as described in the following subsections.

3.2.3 Forecast Reporting

LSEs with Demand and Energy that are not subject to retail choice load switching are required to provide MISO with Demand and Energy forecasts no later than 11:59 p.m. EST on November 1 each year, for the following Planning Year. The seasonal CPD forecasts must be reported for each Asset Owner by LBA.

LSEs with Demand and Energy that is subject to retail choice load switching are not required to provide MISO with Demand and Energy forecasts. Electric Distribution Companies (EDCs) are responsible for submitting forecasts in areas that have Demand and Energy that is subject to retail choice load switching.

EDCs are defined as the company that distributes electricity to retail customers through distribution substations and/or lines owned by the company. The EDC of a retail choice area provides MISO with a seasonal peak forecasted Demand coincident with MISO's seasonal peak and must provide this data no later than 11:59 p.m. EST on November 1 prior to the Planning Year.

EDCs must provide both MISO and the respective retail choice LSEs with each retail customer's initial seasonal Peak Load Contribution (PLC) in the EDC's service territory no later than 11:59 p.m. EST on December 15 prior to the Planning Year.

All new EDCs are required to work with the MISO Client Services and Readiness department (https://help.misoenergy.org/) to set up access to the MECT tool and identify the relationships between the EDC and the LSEs in the EDC area. A Help Center ticket will need to be created to detail the access and relationship additions for the new EDC. The MISO Client Services and Readiness team will provide the new EDC with the required registration forms. Once the EDC setup is completed, all MPs with commercial pricing nodes participating in the retail choice load switching program are required to provide the name of the EDC where the commercial pricing node is located.

3.2.3.1 Provider of Last Resort

The Provider of Last Resort (POLR) will be responsible for meeting any Initial PRMR from Demand left unclaimed by retail choice LSEs in the EDC service territory. The Transmission Provider will work with the POLR and EDC to ensure that the POLR will serve any remaining Demand that is not allocated to LSEs.

3.2.4 Wholesale Load Customers

To ensure wholesale customers are accounted for, LSEs serving wholesale customers during the prompt Planning Year must include the Demand and Energy attributed to those wholesale customers in their Demand and Energy forecasts by 11:59 p.m. EST on November 1 prior to the Planning Year via the MECT tool.

An LSE that has previously served a wholesale customer and does not intend on serving that customer for the prompt Planning Year may or may not be required to report that customer in their forecasts.

Case 1: LSE knows the entity that will serve the wholesale customer next Planning Year:
In this case, the existing LSE is not responsible for submitting the Energy or Demand attributed to the wholesale customer in their forecasts. However, they must state the entity responsible for serving the customer in their supporting documentation.

Case 2: LSE does not know who will serve the wholesale customer next Planning Year:
In this case, the existing LSE is responsible for submitting the Energy or Demand attributed to the wholesale customer in their forecasts.

MISO will work with the wholesale customer regarding their forecasts and contact the wholesale customer to determine who the responsible LSE is. Once the responsible LSE is identified, MISO will transfer the Demand from the old LSE to the new LSE prior to the Planning Resource Auction.

3.2.5 Review of CPD Forecasts

Starting November 1, MISO will begin reviewing all forecasts and a randomly chosen set of supporting documentation submitted by LSEs and EDCs in order to give all parties adequate time to resolve any identified forecasting issues with MISO. The review will focus on whether the forecast methodology adequately and reasonably forecasts peak Demand, Energy, and/or Demand reduction capability of the submitting entity. The forecast review process will be completed no later than March 1 of each year prior to the annual PRA. If necessary, MISO may develop the required seasonal CPD forecasts for any Market Participants serving Load in the Transmission Provider Region or serving Load on behalf of a Load Serving Entity or other Market Participants that do not submit CPD forecasts and supporting documentation by the November 1 deadline.

3.3 Full Responsibility Transactions

Full Responsibility Transactions (FRT) are referenced differently depending on which side of the transaction is being addressed. The sale side of an FRT is called a Full Responsibility Sale (FRS) and the purchase side is called a Full Responsibility Purchase (FRP). Both the FRS and FRP are a transfer of Demand. As a result, the seasonal obligation (Initial PRMR and Final PRMR) calculation will reflect the associated transfer of transmission losses and PRM. FRTs may only be entered for Demand that is not subject to retail choice load switching.

The FRS results in an increase in Demand and FRP results in a decrease in Demand. This can be interpreted as the purchaser paying the seller to take on Demand and its associated seasonal Initial PRMR. This transfer of Demand also results in a transfer of the associated transmission losses and PRM.

- The seller of an FRS is contractually obligated to deliver power and Energy to the purchaser with the same degree of reliability as provided to the seller's own native load. With Full Responsibility Service to an LSE within MISO's Region, sellers are responsible for all of that LSE's Initial PRMR associated with the sale.

  Example:

  Asset Owner MM1:
  Seasonal CPDf = 10 MW
  Seasonal PRM = 6.2%
  Seasonal Transmission Loss % = 2%
  Asset Owner MM1 is the Buyer of the FRT for the total amount of 5 MW
  MM1's Initial PRMR = (10 – 5) * (1 + 0.062) * (1 + 0.02) = 5.4 MW

  Asset Owner SS2:
  Seasonal CPDf = 20 MW
  Seasonal PRM = 6.2%
  Seasonal Transmission Loss % = 2%
  Asset Owner SS2 is the Seller of the FRT for the total amount of 10 MW
  SS2's Initial PRMR = (20 + 10) * (1 + 0.062) * (1 + 0.02) = 32.5 MW

  Asset Owner BB3:
  Seasonal CPDf = 50 MW

Seasonal PRM = 6.2%
Seasonal Transmission Loss % = 2%
Asset Owner BB3 is the Buyer of the FRT for the total amount of 5 MW
Asset Owner BB3 is the Seller of the FRT for the total amount of 10 MW
BB3's Initial PRMR = (50 – 5 + 10) * (1 + 0.062) * (1 + 0.02) = 59.6 MW

The LSE (purchaser) may contract with other entities (sellers) to be responsible for capacity payments based upon the ACP for all or part of its load delivered to the purchaser through an FRP/FRS agreement. Each purchaser and seller must agree on which of their transactions are to be reported as an FRP/FRS. If the purchaser and seller cannot agree upon whether a particular transaction is an FRP/FRS agreement, then either party may invoke the dispute resolution procedures in the Tariff. FRP/FRS agreements are treated effectively like a transfer of forecasted Demand and the associated Initial PRMR from one LSE to another. An LSE with an FRP agreement is required to input the forecasted Coincident Peak Demand information for the transferred Demand into the MECT. An MP with a FRS agreement is required to meet the RAR obligation derived from the Demand as though it was their load, as described in Section 3. If the seller under an FRP/FRS agreement is not an LSE subject to the MISO Tariff, then the purchaser under an FRP/FRS agreement will remain responsible for any capacity payments associated with the FRP/FRS agreement.

If the seller under an FRS/FRP agreement is not an LSE subject to the MISO Tariff ("non-jurisdictional"), then the purchaser who is responsible for any RAR deficiencies may coordinate with the non-jurisdictional party to ensure that any RAR obligations associated with transferred Demand are met. A purchaser may request that the seller communicate the proper validations and confirmations to the purchaser or confirm validation of RAR obligations in the MECT to the purchaser. Such purchaser also can request that MISO coordinate with the non-jurisdictional party to intermediate the exchange of information from the seller to the purchaser. Such coordination will not relieve the purchaser from their responsibility for any RAR deficiencies associated with the FRP/FRS agreement.

The LSE with the FRS is responsible for compliance with LSE requirements. The obligation to serve the load is shifted but the obligation to forecast the Demand remains with the original LSE (purchaser). Both the purchasing and selling parties will be required to enter and verify the FRT into the MECT Full Responsibility Transaction screen. The parties must enter an FRT into the MECT along with documentation detailing their contract between the purchasing and selling

parties to enable MISO to track the load and capacity obligations shift. This must be done by the fifth business day of February and the settlement will be between LSEs for all FRTs.

The Initial PRMR cannot be a negative number as a result of the FRT.

3.4 Planning Reserve Margin

This section describes the Loss of Load Expectation (LOLE) study process used by MISO to establish the Planning Reserve Margin (PRM) for each Season of the prompt MISO Planning Year. A MISO Planning Year runs from June 1 through May 31.

3.4.1 Determination of Seasonal Planning Reserve Margin

MISO will perform probabilistic analyses annually to establish the system-wide seasonal PRMs. This probabilistic analysis will utilize a Loss of Load Expectation (LOLE) study which assumes that there are no internal transmission limitations. Additionally, MISO will perform probabilistic analyses to establish the seasonal Local Reliability Requirements (LRRs) for each Local Resource Zone. MISO will publish the results by November 1 preceding the applicable Planning Year.

The LOLE study shall be consistent with Good Utility Practice, the reliability requirements of the Regional Entities (RE), and applicable states in the MISO Region. The PRM analyses shall consider factors including, but not limited to: the Generator Forced Outage rates of Capacity Resources, Generator Planned Outages, expected performance of Load Modifying Resources (LMRs), Intermittent Resources, Energy Efficiency Resources, load forecast uncertainty, and the Transmission System's import and export capabilities with external systems. The seasonal PRMs that are calculated in the LOLE probabilistic modeling software are determined on an ICAP and UCAP basis. The preliminary $PRMR_{ICAP}$ values are the sum of the ICAP ratings of the resources utilized in the simulation to achieve the reliability criteria. Similarly, the sum of the UCAP ratings of these same resources utilized in the simulation to achieve the reliability criteria is the total UCAP-rated MW needed, or the preliminary $PRMR_{UCAP}$ Values. PRMR values are finalized after MISO has received the updated LSE-submitted load forecasts on November 1 and validated the load forecasts.

MISO will calculate and publish on its website the estimated seasonal PRM for each of the nine subsequent Planning Years, to provide information for long-term resource planning, without establishing any enforceable specific resource planning reserve requirements.

See the Resource Adequacy page on MISO's public website for current and previous LOLE study reports.

3.4.2 LOLE Analysis

MISO will determine the appropriate PRM for each Season of the applicable Planning Year based on the probabilistic analyses of being able to reliably serve MISO's forecasted seasonal Coincident Peak Demand. This probabilistic analysis will utilize a LOLE study which assumes that there are no internal transmission limitations.

MISO's LOLE study will first calculate the annual PRM such that the summation of LOLE across the year is one (1) day in ten (10) years, or 0.1 day per year. The minimum PRM requirement will be determined through LOLE analyses by either adding a negative output unit with no outage rates, or by adding increments of a positive output combustion turbine (CT) Planning Resource with nominal capacity values that correspond with the most recent annual calculation of Cost of New Entry (CONE) as described in Section 6.3 and that have class average outage rates, until a 0.1 day per year solution is reached.

A minimum of 0.01 day per Season LOLE will be used to calculate the seasonal PRMs and LRRs in Seasons with less than 0.01 day per year LOLE risk upon the annual summation of LOLE reaching the 0.1 day per year reliability criteria.

The LOLE model will initially be run with no adjustments to the capacity. If the LOLE in a given Season is less than the reliability criteria day per year for that Season, a negative output unit with no outage rates will be added until the LOLE reaches the reliability criteria for that Season. This is comparable to adding Coincident Peak Demand. If the LOLE is greater than the reliability criteria, proxy units based on a unit of typical size and outage rates will be added to the model until the LOLE reaches the reliability criteria.

MISO will also determine the Local Reliability Requirement (LRR) for each LRZ consistent with the LOLE achieving 0.1 day per year for each LRZ. The minimum amount of capacity above seasonal Coincident Peak Demand required to meet the reliability criteria of a 0.1 day per year LOLE value will be utilized to establish the system-wide seasonal PRMs. The minimum amount of capacity above the seasonal Zonal Coincident Peak Demand required to meet the reliability criteria of a 0.1 day per year LOLE value will be utilized to establish the seasonal LRR for each LRZ. When determining LRRs, risk-deficient Seasons will have a minimum reliability criteria of 0.01 LOLE per Season.

3.4.3 Loss of Load Expectation (LOLE) Working Group

MISO establishes seasonal Unforced Capacity requirements applicable in the Planning Resource Auction (PRA) based on LOLE probabilistic analyses conducted by MISO Resource Adequacy and in coordination with members of the LOLE Working Group (LOLEWG). The duties of the working group are to help guide MISO in implementing the study methods outlined in this section. The analyses will conform to the Electric Reliability Organization (ERO) standards, including those established by applicable Regional Entities for reliability and resource adequacy. The LOLEWG will review and provide recommendations to MISO on the methodology and input assumptions to be used in performing the LOLE analyses, as well as reviewing the results of the LOLE analyses and related sensitivity cases. MISO will be the entity ultimately responsible for conducting the LOLE study and determining the seasonal PRMs, except as set forth in Section 3.4.5.

3.4.4 Generator Outage Data for LOLE Study

The probabilistic study will use a LOLE model capable of sequential Monte Carlo simulation. Primary inputs are the generation data submitted to MISO through the PowerGADS tool and forecasted Demands provided as described above in this Section 3. If applicable to the generator type, Asset Owners are obligated to report outage event data as well as Generator Verification Test Capacity (GVTC) for Generation Resources and External Resources through the PowerGADS tool in the MISO Market Portal. Annualized planned outage rates and seasonal forced outage rates are developed for each applicable resource from the submitted outage event data and, together with the capabilities of each resource, are the key generator inputs to the LOLE model. Outage parameters for the LOLE model are established using outage event data from the past five calendar years, as submitted to PowerGADS.

The LOLE study will account for all system-wide forced outage causes captured in the EFORd metric. The EFORd term is defined as:

> Equivalent Forced Outage Rate while in Demand (EFORd): A measure of the probability that a generating unit will not be available for the applicable Season due to forced outages or forced deratings when there is Demand on the unit to generate.

More information on EFORd calculations can be found in Appendix I of this BPM.

3.4.5 State Authority to Set PRM

The only entity other than MISO that may establish a PRM for any Season during the Planning Year is a state regulatory authority regarding those regulated entities under their jurisdiction. If a state regulatory authority establishes a minimum seasonal PRM for the LSEs under their jurisdiction, then that state-set seasonal PRM would be adopted by MISO for jurisdictional LSEs in such state. Other entities, such as reserve sharing groups or NERC regional entities, do not have the authority to establish a seasonal PRM under Module E-1. MISO will translate any state-set seasonal PRM into the same terms as MISO's seasonal PRM (e.g., utilizing a UCAP basis) to facilitate comparison and compliance with PRMR.

MISO will perform the Loss of Load Expectation (LOLE) study to establish the seasonal PRM and publish the results by November 1 preceding the Planning Year. State regulatory authorities choosing to instead elect a state set seasonal PRM must notify MISO in writing by December 1 for the upcoming PRA. The notice shall be from an authorized representative of the state regulatory authority and include the seasonal PRMs, a list of those LSEs to which the seasonal PRMs apply, and a statement that the entities to which the seasonal PRM applies have been duly notified. In scenarios where an LSE crosses state boundaries and one of the states opts to set its own seasonal PRM, the state regulatory authority must work with the impacted LSEs to submit to MISO the pro-rata distribution of seasonal Coincident Peak Forecasts and seasonal Zonal Coincident Peak Forecasts among the states.

Any disputes regarding the applicability of the seasonal PRM information submitted by a state regulatory authority and an affected entity shall be resolved in accordance with applicable dispute resolution measures established by the state regulatory authority. If the state regulatory authority makes any changes to information initially submitted to MISO as a result of such a dispute, the changed information shall be submitted to MISO by the state regulatory authority on or before December 31. If no such changes are submitted, the original information submitted by the state regulatory authority will be used by MISO.

MISO shall update the MECT with the state-set seasonal PRM by January 31.

4 Qualifying and Quantifying Planning Resources

4.1 Overview

This section identifies the qualification requirements for each type of Planning Resource.

All Planning Resources that qualify will have a SAC value determined by MISO. The benefits of SAC include:

- Fair recognition of the contribution each unit provides towards Resource Adequacy;
- Market signals that will promote generating unit availability performance; and in turn, the improved system availability will promote improved regional Resource Adequacy; and
- Supporting bilateral trades by recognizing the SAC value of each resource, while shifting the resource performance risk to owners of Planning Resources, where such risk more properly belongs.

Planning Resources consist of Capacity Resources, Load Modifying Resources, and Energy Efficiency Resources. Capacity Resources consist of Generation Resources, Electric Storage Resources, External Resources, and Demand Response Resources. Load Modifying Resources consist of Behind the Meter Generation and Demand Resources. Energy Efficiency Resources are resources registered with MISO that permanently reduce electricity Demand. A Hybrid Resource may also qualify as a Planning Resource to the extent that such Hybrid Resource is a Generation Resource or Capacity Resource.

Capacity Resources backed by behind-the-meter-generation that have met all requirements to supply capacity in the MISO Resource Adequacy construct will have SAC MWs calculated based on data submitted by the Asset Owner, as described in the Appendix H - Non-Schedule 53 Seasonal Accredited Capacity (SAC) Calculations for Planning Resources - of this document. BTMG, DR, Energy Efficiency Resources, and External Resources must follow the registration procedures documented in the applicable subsections of this document to be eligible to supply capacity in the MISO Resource Adequacy construct.

Generation Resources backed by behind-the-meter-generation that have not provided at least one Season of historical performance data will have their SAC calculated for them after they are registered in MISO's Commercial Model, provided that the Resource meets the Capacity Resource Module E-1 requirements. Planning Resources that are pseudo-tied between MISO Local Balancing Areas will be modeled in the Local Resource Zone based on the LBA in which they are physically located. The following table outlines the relationship and key attributes of the Planning Resource types that are committed to providing capacity.

	Planning Resource				
	Capacity Resource		Load Modifying Resource		Energy Efficiency Resource
	Generation, ESR, and External	Demand Response Resources	BTMG	Demand Resource	
Capacity Verification	X	X	X	X	X
Must Offer	X	X			
GADS Data Entry	X	X	X		
Must Respond to Emergency Operating Procedures	X	X	X	X	

4.2 Planning Resources

4.2.1 Generation Resource, but not Dispatchable Intermittent Resource or Intermittent Generation

4.2.1.1 *Qualification Requirements*

Generation Resources may qualify as Capacity Resources provided that:

- They are registered with MISO as documented in the Market Registration BPM.
- Generation Resources must be deliverable to Load within MISO's Region. The deliverability of Generation Resources to Network Load within MISO's Region shall be determined by System Impact Studies pursuant to the Tariff that are conducted by MISO, which consider, among other factors, the deliverability of aggregate resources of Network Customers to the aggregate of Network Load. Generation Resources that pass the deliverability test receive Network Resource Interconnection Service.
- Generation Resources that do not pass the deliverability test may procure firm Transmission Service (or utilize a GFA) in conjunction with Energy Resource Interconnection Service (ERIS) to meet the deliverability requirements.
    - Firm Transmission Service must either be a Firm Point-to-Point (PTP) Transmission Service Request (TSR) or a Firm Network Integration Transmission Service (NITS) Scheduling Right (SR).
        - NITS SRs should reference the OASIS NITS Application number and Resource Name used in the SR.

  - Firm transmission service (PTP TSR or NITS SR) must cover the entire applicable Season within the Planning Year in total or in aggregate and be submitted in the MECT. The resource is only deliverable to the LBA identified in the Firm Transmission study that grants the NITS SR or PTP TSR.
- Generation Resources with ERIS may participate in MISO's Interim Deliverability Study process as described in BPM-015. The following generic parameters apply for the Interim Deliverability Study:
  - MISO may grant conditional NRIS applicable for the next Planning Year
  - MISO may grant conditional ERIS applicable for the next Planning Year
  - MISO may grant conditional External-NRIS (E-NRIS) applicable for the next Planning Year.
  - MISO may implement a Quarterly Operating Limit (QOL) on a portion of a Generation Resource due to transmission study overloads. MW amount subject to QOL can qualify as capacity in the PRA. The MW amount subject to QOL is not required to procure replacement capacity if the QOL is reduced in a subsequent MISO quarterly study.
- Generation Resources with a Provisional Interconnection Agreement are not qualified to participate in the PRA.
- Generation Resources that were accepted by the Transmission Provider and confirmed by a Network Customer as a designated Network Resource under the OASIS reservation process in place prior to either the initial effective date of the Energy Market in 2005 or that Transmission Owner's integration date are considered as deliverable.
  - This may include Generation Resources that were issued 'local' NRIS through a Generator Interconnection Agreement consistent with Module E-1 Section 69.3.1.g paragraph v. In such instances, 'local' NRIS is processed in similar fashion as ERIS for the purposes of demonstrating deliverability for participation in the Planning Resource Auction. As with resources with ERIS, firm Transmission Service must be demonstrated to cover the entire auction period for the level of participation desired in order to qualify for participation in the PRA.
- Internal purchase power agreements (PPAs) will not be qualified by MISO.
- Generation Resources greater than or equal to 10 MW (based on Generation Verification Tested Capacity (GVTC)) must submit their Generator Availability Data System (GADS) data (including, but not limited to, NERC GADS) into the MISO PowerGADS database through the MISO Market Portal. Quarterly GADS Event and

Performance Data must be submitted by the end of the month following the quarter (April for Q1, July for Q2, October for Q3, and January for Q4). The submitted data must have passed Level 2 Validation without any errors. Units that fail to submit Level 2 Validated quarterly GADS data will be disqualified for participation in the PRA.

- Generation Resources less than 10 MW based upon GVTC are not required to report their GADS data.
- Generation Resources less than 10 MW based upon GVTC that begin reporting GADS data must continue to report GADS data each Planning Year.
- The seasonal XEFORd for new Generation Resources in service less than one full Season will be the seasonal EFORd class average for the resource type. A Generation Resource will use the class average value until 3 consecutive seasonal months of data is available. Forced outage rates are used for the capacity accreditation of non-Schedule 53 Generation Resources.
- Generation Resources that have been retired prior to the Planning Year will not qualify as a Planning Resource.
- Generation Resources that are in approved “Suspension” status qualify as a Planning Resource through the ICAP Deferral process.
- If Generation Resources used to meet Resource Adequacy Requirements retire or suspend during the Planning Year, they must be replaced effective with their change of status date. Generation Resources with approved “Suspension” status must participate as a Planning Resource in the next Planning Year subject to provisions regarding physical withholding in Module D of the Tariff.
- Generation Resources that plan to retire during the Planning Year will be subject to test for Physical Withholding.
- Generation Resources that are or plan to be suspended will be subject to test for Physical Withholding.
- Generation Resources that have been designated as a System Support Resource (SSR) may participate in the PRA.
- Generation Resources must demonstrate capability on an annual basis as described below.
- Generation Resources undergoing conversion to natural gas are not required to submit GVTC prior to returning. Changes in performance will be reflected in the resource’s rolling XEFORd.

When to Perform and Submit a Generation Verification Test Capacity (GVTC)

- Generation Resources, External Resources, ESR, Demand Response Resources backed by behind the meter generation, or Behind the Meter Generation (BTMG) that qualified as Planning Resources for the current Planning Year must submit their GVTC no later than October 31 in order to qualify as a Planning Resource for the upcoming Planning Year. GVTC can be completed by completing a real power test or based on operational data. The GVTC must be completed during the test period of September 1 through August 31 prior to the upcoming Planning Year.
- A real power test is required to demonstrate a modification that increases the rated capacity of a unit, and a revised GVTC should be submitted to MISO no later than March 1 prior to the Planning Year. The initial GVTC, even if a Planning Resource is unable to test and the GVTC is 0, must be submitted by October 31 prior to the Planning Year.
- A real power test is required when returning from a suspended state and the GVTC must be submitted to MISO. A real power test is required when any unit returns to service in MISO after an absence (including but not limited to, catastrophic events, or a period during which it was not qualified as a Planning Resource under Module E-1).
- A real power test is required for Planning Resources in an approved "Suspension" status. If a Planning Resource is unable to complete a real power test, the MP responsible for that Planning Resource must include this item, including timing and cost requirements, when requesting a facility specific reference level.

The GVTC for a new or returning Non-Intermittent Generation resource is due by March 1 prior to the Planning Year unless the GVTC has been deferred via the ICAP Deferral process as described in Section 4.5. See Appendix J **– GVTC Testing Requirements**.

GVTC Test Extension Request

A Market Participant for a Generation Resource required to submit GVTC results must use Reasonable Efforts to submit GVTC results by October 31 prior to the upcoming Planning Year. If circumstances prevent the Market Participant from submitting the GVTC results for the Generation Resource by October 31, the Market Participant must notify the Transmission Provider no later than five (5) Business Days after October 31 and request an extension. The extension request must include a reasonable explanation and justification for missing the deadline, estimated seasonally corrected GVTC values, and an expected completion date prior to the upcoming Planning Year. An extension may also be requested for re-testing and submitting after the October 31 deadline. The

estimated seasonally corrected GVTC values are only an estimate to be used in initial SAC posting and the actual test results will be used for the final SAC posting. The Transmission Provider will review each extension request on a case-by-case basis to determine whether to approve or deny the request to extend the GVTC deadline. Denial of an extension will not preclude the Market Participant for the Generation Resource from utilizing the ICAP Deferral process. Test results for Approved GVTC Test Extension Requests must be submitted by January 15 prior to the upcoming Planning Year.

Reporting is accomplished through MISO's PowerGADS reporting system as described in the Net Capability Verification Test User Manual.

4.2.1.2 *SAC Determination*

The SAC values for a Generation Resource are based on an evaluation of the type and volume of interconnection service, GVTC values, the XEFORd value of non-Schedule 53 Generation Resources as described in Appendix H – Non-Schedule 53 Seasonal Accredited Capacity (SAC) Calculations for Planning Resources and Appendix I – XEFORd Calculation, and SAC value for Schedule 53 Resources as applicable and described in Appendix Y – SAC Calculations for Schedule 53 Resources.

Generation Resources relying either fully or in part on Energy Resource Interconnection Service (ERIS) coupled with firm Transmission Service to demonstrate deliverability must procure firm Transmission Service up to the Resource's ICAP level in order to receive their full SAC allocation.

If a Generation Resource's procured firm Transmission Service coupled with ERIS is less than the Generation Resource's ICAP value, the SAC allocation would be pro-rated based on Tariff Module E-1 Section 69A.4.5.

The SAC methodology is implemented to address the fact that not all Generation Resources contribute equally to Resource Adequacy. By adjusting the capacity rating of a unit based on its availability, SAC provides a means to recognize the relative contribution that each resource makes towards Resource Adequacy. When the PRM requirement is similarly adjusted by the weighted average EFORd of all the pooled resources, the generating units with better than average availability will reflect higher values than units with below average availability.

In order for a Generation Resource to convert its entire calculated Total SAC into Zonal Resource Credits, the Generation Resource must be fully deliverable up to its ICAP. Deliverability is determined by any combination as outlined in Module E-1 Section 69A.3.1.g of the Tariff.

If a Generation Resource is not fully deliverable up to its ICAP, the resource will be eligible to convert a value less than the Total SAC into Zonal Resource Credits as outlined in Appendix H – Non-Schedule 53 Seasonal Accredited Capacity (SAC) Calculations for Planning Resources, as well as in Appendix Y – SAC Calculations for Schedule 53 Resources.

4.2.1.3 *Intermittent Generation and Dispatchable Intermittent Resources - Qualification Requirements*

Intermittent Generation and Dispatchable Intermittent Resources are subclasses of Generation Resources and may qualify as Capacity Resources if they meet the same qualification requirements in Sec. 4.2.1.1 Qualification Requirements and the alternate GADS reporting procedure as described below:

For existing Intermittent Generation and Dispatchable Intermittent Resources (eg. run-of-river hydro, solar, biomass), Market Participants must supply MISO with a minimum of one entire Planning Year of hourly net output data for each season in which the resource would be accredited.

For existing Intermittent Generation and Dispatchable Intermittent Resources not classified as run-of-river hydro or wind, Market Participants may submit up to three (3) Planning Years of hourly net output data, for a total of 9 months considered for each seasonal lookback period, during typical seasonal peak hours, where the typical seasonal peak hours are hours ending in 15, 16, and 17 EST for the Summer, Fall and Spring Seasons, and hours ending in 8, 9, 19, and 20 EST for the Winter Season. Seasonal accreditation for existing Intermittent Generation and Dispatchable Intermittent Resources not classified as run-of-river hydro or wind is determined as an average of the hourly net output.

For Intermittent Generation and Dispatchable Intermittent Resources classified as run-of-river hydro, Market Participants may submit up to fifteen (15) Planning Years of hourly net

output data, for a total of 45 months considered for each seasonal lookback period, during typical seasonal peak hours, where the typical seasonal peak hours are hours ending in 15, 16 and 17 EST for the Summer, Fall and Spring Seasons, and hours ending in 8, 9, 19 and 20 EST for the Winter Season. Seasonal accreditation for fun-of-river hydro resources is determined as a median of the provided hourly net output.

For resources on qualified extended outage where data does not exist for some or all of the previous historical seasonal months, a minimum of 30 consecutive days' worth of historical net output data during the relevant typical seasonal peak hours, must be provided prior to participating in the PRA.

New Intermittent Generation or Dispatchable Intermittent Resources that do not have a minimum of 30 consecutive days' worth of seasonal historical operating data during the typical seasonal peak hours may participate in the PRA and will receive class average accreditation values if the resource will be in operation by the start of a Season in the applicable Planning Year.

4.2.1.4 *Dispatchable Intermittent Resources and Intermittent Generation Resource - SAC Determination*

The Seasonal Accredited Capacity (SAC) for Intermittent Generation and Dispatchable Intermittent Resources will be determined by MISO based on historical performance, availability, and type and volume of Interconnection Service. Examples of SAC calculations for these resources can be found in Appendix V – Solar and Run-of-River Hydro Capacity Credit.

Intermittent Generation and Dispatchable Intermittent Resources that are powered solely by wind will have their SAC values determined based on Interconnection Service volumes and their respective wind capacity credit established via seasonal Effective Load Carry Capacity (ELCC) analyses as described in Appendix A – Wind Capacity Credit.

1.1.1.1.1 4.2.1.5 Wind Capacity Credit

MISO calculates specific wind capacity credit (%) for each wind resource and applies it to its registered maximum capability (MW) in the Commercial Model or its registered Capacity (MW) through the LMR or External Resource registration process. MISO uses historical wind

availability information to calculate a seasonal Effective Load Carrying Capacity (ELCC) to determine a wind capacity credit. Wind capacity credits are determined for each individual wind resource based on its average capacity factor during MISO's top eight (8) coincident peaks that occurred during the Season for the previous three Planning Years.

A new wind resource with no commercial operation history during the Season will receive a wind capacity credit equivalent to the MISO system wide wind capacity credit from the seasonal Effective Load Carrying Capacity (ELCC) analyses for their initial Planning Year, and thereafter metered data will be used to calculate its future resource-specific wind capacity credit.

If an existing wind resource has no historical metered data available, or was inoperable for a Season, then the existing wind resource will receive a seasonal capacity credit of 0%.

An increase in unit capacity for Intermittent Generation and Dispatchable Intermittent Resources that are solely powered by wind after the SAC values have been established will require written notification from the Market Participant to a member of the Resource Adequacy department to update the values. This notification is due by March 1 prior to the applicable Planning Year.

BTMG wind will have their SAC values determined from their historical net output during periods of MISO system peak Demand for the three Planning Years prior.

For more information regarding the methodology for calculating wind capacity credits, see Appendix A – Wind Capacity Credit of this BPM and MISO's wesbite (misoenergy.org / Planning / Resource Adequacy / PRA Documents / select the appropriate Planning Year) for the Wind and Solar Capacity Credit Report. Additionally, Appendix H – Seasonal Accredited Capacity (SAC) Calculations for Planning Resources details the determination of convertible SAC using the deliverability-adjusted capacity factor.

1.1.1.1.2 4.2.1.6 Solar Capacity Credit

Solar resources will have their SAC values determined based on the three (3) most recent Planning Years of historical average net output during typical seasonal peak hours, where the typical seasonal peak hours are hours ending in 15, 16, and 17 EST for the Summer, Fall and Spring Seasons, and hours ending in 8, 9, 19 and 20 EST for the Winter Season.

Solar resources that have been upgraded or returning from extended outages shall submit all operating data for the prior Season with a minimum of 30 consecutive days to have their capacity registered with MISO.

Solar esources with less than 30 days of metered values would receive seasonal class accreditation for their initial Planning Year in operation. Seasonal class accreditation for a new solar resource in the Summer, Fall, and Spring Seasons is 50% and 5% for the Winter Season. Refer to Appendix V - Solar and Run-of-River Hydro Capacity Credit for additional examples and determination of convertible SAC.

4.2.2 Use Limited Resources

4.2.2.1 *Use Limited Resources – Qualification Requirements*

Use Limited Resources are defined as Generation Resources or External Resource(s), that due to design considerations, environmental restrictions on operations, cyclical requirements (such as the need to recharge or refill), or for other non-economic reasons, are unable to operate continuously, but are able to operate for a minimum set of consecutive operating hours. A Capacity Resource may be defined as a Use Limited Resource if it:

- Is capable of providing the Energy equivalent of its claimed Capacity for a minimum of at least four (4) continuous hours each day across MISO's peak;
- Notifies MISO of any outage (including partial outages) and the expected return date from the outage;
- Demonstrates GVTC and submits the results to MISO;
- Is a dispatchable resource(s) in which the unit(s) have physical limitations;
- Identifies the resource as use limited when registering the asset, subject to MISO approval.
    - MISO will review the conditions of the asset or PPA to determine if the resource qualifies as a Use Limited Resource.
    - MISO will consider how the resource has historically operated and any proposed changes in its operation to determine if the resource qualifies as a Use Limited Resource.

Use Limited Resources are a subclass of Generation Resources and may qualify as Capacity Resources if they meet the same qualification requirements in Section 4.2.1.1 Qualification Requirements.

- MISO may qualify a resource classified as a Diversity Contract as a Use Limited Resource seasonally provided the resource meets all of the requirements of both an External and Use Limited Resource.
- Use Limited Resources must demonstrate GVTC on an annual basis as described in Section 4.2.1.1 Qualification Requirements. See Appendix J – GVTC Testing Requirements for additional details.
- Use Limited Resources with any new or untested additional capacity are eligible for the ICAP Deferral Process as described in Section 4.5 ICAP Deferral.

4.2.2.2 *Use Limited Resources – SAC Determination*

The SAC values for a Use Limited Resource are based on an evaluation of the resource type and volume of Interconnection Service, GVTC value, and XEFORd value of such Use Limited Resource as described in Appendix H – Non-Schedule 53 Seasonal Accredited Capacity (SAC) Calculations for Planning Resources.

In addition, a Use Limited Resource with contract provisions that prevent the resource from meeting its Must Offer requirement will have a decrease in the SAC calculation to the extent that the contract provisions are less than the required Must Offer requirement of 4 hours across the forecasted peak for each day during the registered Season. Use Limited Resources unable to meet the Must Offer requirements will have their SAC prorated relative to the percentage of hours meeting the Must Offer requirement and to the must offer hours for the Season.

4.2.3 External Resources

MPs may register an External Resource by providing the information listed below to MISO Resource Adequacy to qualify such resources as Capacity Resources. External Resources are registered through the MECT tool for each Planning Resource Auction and reviewed and approved by MISO Resource Adequacy staff. An MP that owns an External Resource or contracts for an External Resource through a power purchase agreement (PPA) may register its External Resources. An MP must denote within the registration if the External Resource being registered is a Use Limited Resource. External Resources that are also Use Limited Resources must meet all requirements in Section 4.2.2.1 “Use Limited Resources – Qualification Requirements” and be approved by MISO Resource Adequacy.

An MP must submit the completed registration form for existing External Resources in the MECT by February 1 prior to the upcoming Planning Year. New External Resource registrations

or existing registrations with increased capacity are to be submitted in the MECT by March 1 prior to the upcoming Planning Year. Existing registrations with increased capacity are required to submit the original GVTC by October 31 prior to the upcoming Planning Year. The completed registration form requires the MP to certify that the registration information is accurate and that the qualifying MWs from External Resources are not being registered by another party. MISO will notify the MP within 15 days after a completed registration form is received regarding accreditation of the External Resource. MISO will review the External Resource registration form for completeness and accuracy, and will notify the MP when it has been determined whether or not the External Resource qualifies for the applicable Planning Resource Auction, or whether there are any outstanding deficiencies in the registration.

4.2.3.1 *External Balancing Authority Qualification Options*

MISO has established host/external Balancing Authority qualification criteria that applies to Balancing Authorities that could impact Energy schedules associated with qualifying External Resources. The Balancing Authority qualification criteria ensures that Energy schedules corresponding to the qualifying External Resources will only be interrupted in a manner that provides consistency, transparency, and reliability.

An executed PPA or External Resource owned prior to April 3, 2014 will continue to qualify as a Planning Resource for the initial full term of the PPA or ownership of the resource, if it is only interruptible as a last resort under Requirement 2 of NERC Standard EOP-011. A Diversity Contract executed prior to April 3, 2014 will continue to qualify as a Planning Resource, if it is only interruptible as a last resort under Requirement 2 of the NERC Standard EOP-011 between June 1 and September 30.

Resources or PPAs that are submitted to MISO for qualification as External Resources must have their corresponding Energy schedules flow through host/external Balancing Authorities that comply with one of the three options outlined below to qualify.

A. Scheduled Interruption Linked to Performance of a Specific Generator in the External Balancing Authority

In the case of unit specific sales, if the MISO Balancing Authority Area is experiencing an Energy Emergency, the external Balancing Authority will not interrupt the schedule from the External Resource unless the generator being used to serve a unit-specific sale has a forced or planned outage.

This type of External Resource would be treated similarly to internal generation because those internal resources constitute Capacity Resources, even when they can be interrupted for forced or planned outages. This provision ensures that the generator delivering the Energy in support of the PPA can be specifically identified.

B. Slice-of-System Curtailed Pro-Rata with Load in the Source Balancing Authority when Source Balancing Authority is in Emergency Procedures

PPA or External Resource fleets in this category will qualify as Planning Resources, so long as the associated capacity schedule only will be curtailed pro-rata, along with load in the source Balancing Authority, and only when the source Balancing Authority is operating under Emergency Procedures.

Under this situation and as an example, a PPA with a 1,000 MW export schedule from an external Balancing Authority with a 3,000 MW load will be curtailed pro-rata along with the load when the external Balancing Authority is operating under Emergency Procedures. That is, curtailment would take place three-quarters to firm load and one quarter to the firm schedule. This pro-rata treatment is triggered when MISO experiences emergency conditions at the same time as the external Balancing Authority.

C. Slice-of-System in a Balancing Authority that Coordinates Planning Reserve Qualifications and Shares Emergency Responsibilities with MISO's Balancing Authority

In addition to the slice-of-system treatment noted in category B above, a slice-of-system PPA or External Resource fleet can qualify as External Resources under this category, and MISO and the external Balancing Authority will share Load Shedding on a pro-rata basis in proportion to the load in the area under the Capacity Emergency, so long as the requirements of this category are met. This qualification category has several requirements for the host Balancing Authority:

1. It must be in MISO's Reliability Coordination Area.
2. It must share Operating Reserves with the MISO Balancing Authority.
3. It must have a Seams Operating Agreement with MISO containing several features. The Seams Operating Agreement must:
    a. Ensure that the host Balancing Authority has established planning reserve processes and criteria similar to MISO.
    b. Specify the actions that will be taken by both entities, MISO and the host Balancing Authority, during Emergency Procedures prior to implementing Load Shedding.

c. Specify that the host Balancing Authority will submit load estimates to MISO in a similar manner as submitted by other Load Serving Entities under Module E-1, provide generator testing data for all resources used to serve firm requirements of the host Balancing Authority, and provide transparency to such resource plans in the form of a FRAP or RBDC Opt Out, pursuant to Module E-1.

With these requirements in place, when both Balancing Authorities have exhausted other emergency operating actions and are in a firm load shedding event, load shedding is shared on a pro-rata basis in proportion to the load in the area under the capacity emergency.

For example, if the load of an external Balancing Authority in capacity emergency is 3,000 MW, and the load of the area in MISO in capacity emergency is 17,000 MW, then pro-rata load shed is 3/20 of the total for the external Balancing Authority and 17/20 for the area in MISO in the capacity emergency.

4.2.3.2 *External Resources - Qualification Requirements*

The following information will be required to register an External Resource:

- Demonstration of firm Transmission Service from the External Resource to the MISO border, and that;
- Firm Transmission Service has been obtained within MISO to deliver the Capacity Resource MWs seeking to be qualified from the External Resource(s) to the Load Zone CPNode within MISO. The Load Zone CPNode will be interpreted as the Local Balancing Authority (LBA) that MISO's OASIS reservation sinks in for Network Customers, or either;
    - The External Resource has Network Resource Interconnection Service under Attachment X.
    - The External Resource was accepted by the Transmission Provider and confirmed by a Network Customer as a designated Network Resource under the OASIS reservation process in place prior to either the initial effective date of the Energy Market in 2005 or that Transmission Owner's integration date.
- External Resources may procure firm Transmission Service (or utilize a Grandfathered Agreement) to meet the deliverability requirements.
    - Firm Transmission Service must either be in the form of a firm Point-to-Point (PTP) Transmission Service Request (TSR) or firm Network Integration Transmission Service (NITS) Scheduling Rights (SR).

        - NITS Scheduling Rights should reference the OASIS NITS Application Reference number or Assignment Reference number, and Resource Name of the Scheduling Right.
    - Firm Transmission Service (PTP TSR or NITS SR) must cover the entire applicable Season within the Planning Year in aggregate and be submitted in the MECT once approved. The resource is only deliverable to the LBA identified in the firm transmission study that grants the NITS SR or PTP TSR.
- Demonstrates that any External Resources or portions of External Resources being registered as Capacity Resources to serve the Load of the LSE are not otherwise being used as capacity resources in any other RTO/ISO or in another state resource adequacy program, is available in the event of an Emergency, and performs an annual GVTC test and reports the data via MISO's PowerGADS (or alternatively, submits a populated Non-GADS Performance Template to the MECT) by October 31 for returning resources and March 1st for new resources.
- External Resources that have been retired prior to the applicable Planning Year will not qualify as a Planning Resource.
- If External Resources used to meet Resource Adequacy Requirements retire or suspend during the Planning Year, they must be replaced effective with their change of status date.
- External Resources greater than or equal to 10 MW based on their GVTC must submit generator availability data to PowerGADS through the MISO Market Portal. This 10 MW threshold applies to individual generator sizes and not to contracted capacity values in PPAs and does not apply to Intermittent Resources or Intermittent Generation. Quarterly GADS Event and Performance Data must be submitted by the end of the month following the quarter (April for Q1, July for Q2, October for Q3, and January for Q4). The submitted data must pass Level 2 Validation without any errors. Units that fail to submit Level 2 Validated quarterly GADS data will be disqualified for participation in the PRA.
- External Resources less than 10 MW based upon GVTC that begin reporting GADS data must continue to report such information.
- Border External Resources and Coordinating Owner External Resources will be modeled, for LOLE and PRA purposes, in the LRZ where their firm Transmission Service crosses the MISO border. All remaining External Resources will be modeled in an External Resource Zone based on their associated External Balancing Authority.

- A PPA may qualify as a Planning Resource if it is valid for the entire Season or is unavailable for no greater than thirty-one (31) days in total for each Season it is being used. If an amended PPA or interim operating plan exists for the Season in which the MP seeks capacity credit, this will be used in calculating the capacity value provided the PPA or interim operating plan contains a capacity amount.
- For a PPA to qualify as a Capacity Resource, it must demonstrate that it complies with the requirements found in Section 69A.3.1.c of the Tariff.
- External Resources that are in service and registering as a Planning Resource for the first time must submit GVTC, and if greater than or equal to 10 MW based on GVTC must submit GADS data (if applicable) prior to being approved as a Capacity Resource.
- An External Resource registration needs to point to a Load Zone CPNode. Along with firm Transmission Service, this acts as verification of deliverability to the load being served by the External Resource.
- All External Resources being used as a Planning Resource are required to perform a real power test according to MISO's Generator Test Requirements and submit the GVTC data to MISO's PowerGADS no later than October 31 to qualify as a Planning Resource. The test shall be performed between September 1 and August 31 of the prior Planning Year and be corrected to the average temperature of the date and times of MISO's coincident seasonal peaks, measured at or near the generator's location, for the last 5 years, or provide past operational data that meets these requirements to determine its GVTC and submit its GVTC data to MISO's PowerGADS.
    - Resources that do not submit real power tests through GADS must submit a populated Non-GADS Performance Template via MECT as substitute. Existing resources must do this by October 31, while new resources should submit this template by March 1.
- External Resources undergoing gas conversion are not required to submit GVTC prior to returning.
- MPs who register a slice-of-system External Resource are responsible for ensuring proper outage and GVTC data is submitted to MISO through PowerGADS, unless a populated Non-GADS Performance Template is submitted via MECT for the External Resource. This information is due no later than October 31 of the prior Planning Year to qualify as a Planning Resource.

When to Perform and Submit a Generation Verification Test Capacity (GVTC)

- External Resources that qualified as Planning Resources for the current Planning Year shall submit their GVTC data no later than October 31 in order to qualify as a Planning Resource for the upcoming Planning Year. GVTC can be met by a real power test or past operational data must be provided during the test period between September 1 and August 31 prior to the upcoming Planning Year.
- A real power test is required to demonstrate a modification that increases the rated capacity of a unit, and then submit the revised GVTC to MISO by March 1. The initial GVTC should be submitted by October 31 prior to the Planning Year.
- A real power test is required when returning from a suspended state and the results of the GVTC should be submitted to MISO via the PowerGADS system.
- A real power test is required when any unit returns to MISO after an absence (including but not limited to, catastrophic events, or not qualified as a Planning Resource under Module E-1) or being qualified as a Planning Resource for the first time and must be submitted to MISO no later than March 1 prior to the Planning Year.
- The GVTC for a new External Resource is due before a Market Participant registers the new External Resource in the MECT and must be submitted by March 1 prior to the upcoming Planning Year.
- See Appendix J – GVTC Testing Requirements.
- External Resources with any new or untested additional capacity are eligible for the ICAP Deferral process as described in Section 4.5 ICAP Deferral.
- Reporting is accomplished through MISO's PowerGADS reporting system as described in MISO's Capacity Verification Manual, which is located on MISO's PowerGADS > Tools > Guide.

4.2.3.3 *Submission of new External Resource Registrations*

A Market Participant must register their new External Resource via the Registrations screen in the MECT by March 1 prior to the Planning Year. To guarantee new resources can be used in an LSE's FRAP or RBDC Opt Out, registrations must be submitted no later than February 15 prior to the Planning Year. The registering entity must be a Market Participant prior to registering an External Resource. Any entity that is not a Market Participant, but desires to register an External Resource, must contact the Client Services and Readiness team at MISO Help Center (https://help.misoenergy.org/) to become a Market Participant. The resource information submitted through the Registrations screen will require the Market Participant to

certify that the registration information is accurate, complete, and that the qualified MWs from the External Resource are not being registered by another party or used in another Balancing Area for capacity purposes. Appendix F, External Resources, contains the information that must be submitted by an MP through the MECT on the Registrations screen.

4.2.3.4 *Amendments to Accredited External Resource Registration Data*

The Market Participant can amend the registration for an External Resource for an upcoming Planning Year by providing MISO notification no later than March 1 if the original registration was submitted by the deadline.

4.2.3.5 *Renewal of External Resource for Subsequent Planning Years*

Renewed External Resource registrations must be submitted by February 1 prior to the upcoming Planning Year. MISO will review the renewed External Resource registration information for completeness and accuracy and ensure it complies with the qualification requirements for an External Resource. MISO will notify the Market Participant within 15 days after the renewed registration form has been submitted as to whether or not the External Resource has been accredited as an External Resource, or whether there are any deficiencies within the registration that must be corrected. If the External Resource is accredited as an External Resource, it will be given a unique name for tracking purposes and made available in the MECT for use by the MP during the applicable Planning Year.

4.2.3.6 *Review of Power Purchase Agreements*

Market Participants that have entered into power purchase agreement(s) for future Planning Years must provide to MISO the documentation that demonstrates the active power purchase agreement and MISO will make a preliminary determination of whether the agreement(s) would qualify as External Resources from power purchase agreement(s) as set forth in sections 69A.3.1.c.(i) through 69A.3.1.c.(v) of the Tariff. PPAs meeting these requirements are considered conforming. Market Participants must submit this documentation as part of the External Resource registration process and will be reviewed by MISO Resource Adequacy staff.

MISO Resource Adequacy and Legal staff will review the submitted agreement(s) and respond within 60 days of receipt of the request. MISO will provide written confirmation as to whether the contract meets the current Tariff requirements. Any such determination is based upon the existing version of the Tariff, which may be modified from time to time subject to the acceptance of such modifications by the Federal Energy Regulatory Commission. The Market Participant requesting an advanced review of their agreements will need to follow the procedures

applicable to the planning period for which such External Resource is intended to be relied upon to meet capacity requirements. This includes the provision of the appropriate GVTC and GADS data and other requirements then in effect for registering an External Resource as set forth in the Tariff and in Section 4.2.3 External Resources, to have the External Resource modeled in the MECT and qualified as a Capacity Resource. Any subsequent modifications to the PPA will be subject to a new confirmation determined by MISO regarding the portion of the term.

PPAs that do not meet the requirements of Section 69A.3.1.c (i) through (v) of the Tariff are considered non-conforming and must provide MISO with all the following information in order to qualify as a Capacity Resource:

a) The PPA was executed prior to October 20, 2008;
b) NERC regional entity has accredited the PPA to satisfy resource adequacy requirement provisions;
c) The PPA has provided reliable capacity to the Transmission Provider Region;
d) The supplier(s) of capacity in the PPA commit(s) to provide the capacity to an LSE in the Transmission Provider Region in a defined amount at a defined location based upon the supplier(s)' portfolio of generation assets;
e) Energy from the PPA cannot be interrupted for economic reasons and will only be interrupted for force majeure type conditions as a last resort during Emergency conditions;
f) Either the purchaser(s) or the supplier(s) of capacity in the PPA has committed to offer energy into the Day-Ahead Energy and Operating Reserves Market and all pre-Day-Ahead and the first post Day-Ahead Reliability Assessment Commitment processes for all periods for which Energy is available under the PPA, consistent with the must offer provisions in Section 69A.5;
g) The physical resource(s) backing the PPA are identified by the supplier of the PPA;
h) The portion of the physical resources backing the PPA has not otherwise been registered by any other entity as Capacity Resources in the MISO Region or as capacity resources in any other region; and
i) If the PPA is renewed, the PPA will be modified to comply with the terms of Section 69A.3.1.c (i) through (v) and (vii).

4.2.3.7 *External Resources – SAC Determination*

The Seasonal Accredited Capacity (SAC) for External Resources will be accredited based on seasonal GVTC values and seasonal Transmission Service, and seasonal $XEFORd_d$ (where applicable) values of such External Resources, are based on the methodology documented in

Appendix H – Non-Schedule 53 Seasonal Accredited Capacity (SAC) Calculations for Planning Resources. MISO will determine SAC values for External Resources that are Intermittent Generation as described in Section 4.2.1.4 – Dispatchable Intermittent Resources and Intermittent Generation Resource – SAC Determination. External Resources, from PPAs, with varying monthly capacity values will be credited with the monthly capacity value of the contract that corresponds with the seasonal peak Demand month, unless the resource(s) supporting the PPA are considered Intermittent Generation.

4.2.3.8 *Dually Connected Border External Resources*

Border External Resources can have interconnection facilities which connect to multiple LRZs. In those instances, these resources would be modeled in a single Local Resource Zone with which the resource has the greatest connectivity. Connectivity is measured using shift factor analysis that evaluates the generator's impact on flows on the Transmission System. The analysis is performed based on the latest models and input files used in support for the upcoming PRA. The study model is created by ramping the resource up and sinking the output to the MISO footprint. Line loadings in the connected LRZs are compared with those of the base model to determine the impact of the unit. The study will include consideration of tie line flow, impact on historical constraints, and impacts on the connected LRZs as a whole. Results of the analysis will be posted on MISO's website prior to the Planning Resource Auction. Details regarding the resource's impact on individual transmission lines will not be published.

4.2.3.9 *SAC Determination – Fixed Capacity PPA*

Market Participants may register External Resources where the supplier has guaranteed delivery of a fixed MW value of capacity. Market Participants must contact MISO Resource Adequacy for a review of this type of PPA. Subsequent approval of such contracts by MISO results in an accreditation of XEFORd and the SAC will be set equal to the ICAP of the External Resource registered. PPAs backed by an Intermittent Resource do not qualify as this type of PPA.

4.2.3.10 *SAC Determination – Full Requirements PPA*

Market Participants may register External Resources to model a full requirements power purchase agreement with a counterparty. This results in the ICAP of the External Resource being increased for the Planning Reserve Margin, applicable Transmission Losses, and the Forced Outage rating. This adjusted ICAP will be used in the External Resource's SAC and Must Offer calculations. Market Participants must contact MISO Resource Adequacy for a review of these types of contracts.

$$ICAP_{Adjusted} = \sum_{GADS\ Resources} \left(\frac{ICAP_i\ x\ (1 + PRM_{LRZ})\ x\ (1 + TL_{LBA})}{(1 - XEFORd_i)} \right)$$

Where:
$ICAP_{adjusted}$: PPA Percent x Resource ICAP or amount owned by MP
$XEFORd_i$: XEFORd of selected GADS resource
PRM_{LRZ}: Planning Reserve Margin Requirement for the Local Resource Zone that the External Resource will be serving Load in
TL_{LBA}: Transmission Losses for the LBA that the External Resource will be serving load in

4.2.4 DRR Type I and Type II – Qualification Requirements

Demand Response Resources (DRR) Type I and Type II may qualify as Capacity Resources provided that the following criteria are met. (All references to generation availability and testing in this section pertain to DRRs backed by generation.):

- DRR Type I and Type II backed by behind the meter generation (that are not Intermittent Generation and Dispatchable Intermittent Resources) must submit generator availability data (including, but not limited to, NERC GADS) into the PowerGADS tool through the Market Portal.
- DRR Type I and Type II must demonstrate seasonal capability on an annual basis. Verification of DRR Type I and Type II capability will be in accordance with the guidelines established by the applicable Regional Entity, unless superseded by specific verification guidelines set by the applicable state authorities.
- DRRs may qualify as Capacity Resources if they meet the same qualification requirements in Section 4.2.1.1 Qualification Requirements.
- DRRs must demonstrate seasonal corrected GVTC on an annual basis as described in Section 4.2.1.1 Qualification Requirements. See Appendix J – GVTC Testing Requirements for additional details.
- DRRs with any new or untested additional capacity are eligible for the ICAP Deferral Process as described in Section 4.5 ICAP Deferral.

4.2.4.1 *DRR Type I and Type II – SAC Determination*

MISO will determine the SAC value for each Demand Response Resources backed by behind the meter generation based on an evaluation of GVTC value and XEFORd values of such generator. If such behind the meter generation facility is interconnected to the Transmission

System, MISO will consider the type and volume of the interconnection service when determining the Unforced Capacity. If GADS data is not required to be submitted by the MP, then a class average EFORd of the resource type will be used to calculate the forced outage rate (XEFORd) for the resource.

A XEFORd value of zero will be applied to all DRR that interrupts or controls load but is not backed by behind the meter generation.

SAC MW options for units with derates prior to the GVTC test date is further explained in Appendix J.4 – Generation Verification Test Capacity During a Derate.

4.2.5 Load Modifying Resource Obligations and Penalties

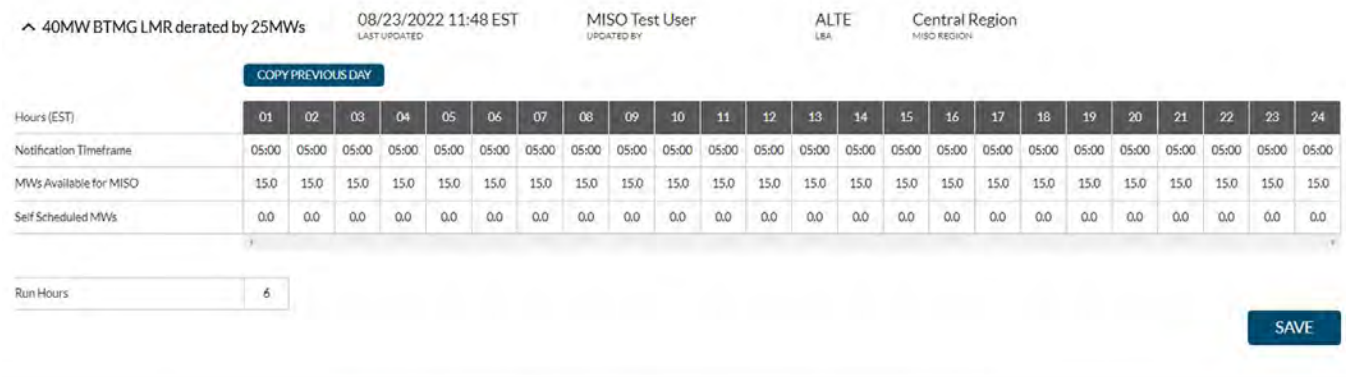
Load Modifying Resources (LMRs) consist of Demand Resources (DR) and Behind the Meter Generation (BTMG). A Demand Resource shall mean a resource registered with MISO defined as Interruptible Load or Direct Load Control Management and other resources that result in additional and verifiable reductions in end-use customer Demand during an Emergency.

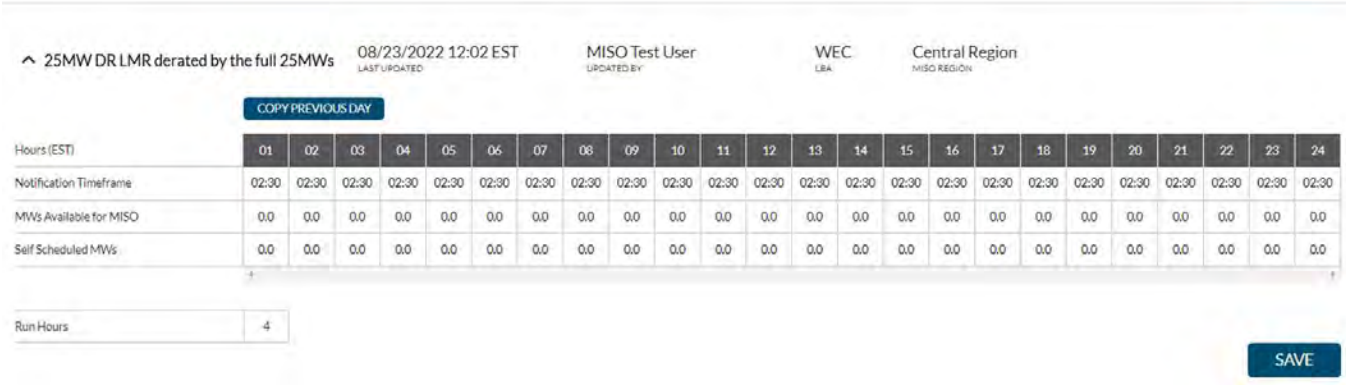
Behind the Meter Generation is defined as a generation resource used to serve wholesale or retail load that is located behind a Load Zone CPNode. BTMG is not included in MISO's Setpoint Instructions. An LMR that exclusively relies only on a generator to accomplish the load reduction and remains synchronously connected to the grid, or injects onto the grid, must register as a BTMG. In scenarios where LMRs represent an interruptible program that disconnects the load from the grid and activates a local backup generator to provide power on an asynchronous island, independent from the grid, a DR registration may be used.

BTMG and DR requirements to qualify as an LMR are covered in Sections 4.2.6 - BTMG Qualification Requirements and 4.2.7 - Demand Resource (DR) Qualification Requirements of this BPM.

LMRs differ from Capacity Resources in that they do not have a must offer requirement, however, they must be available for use within MISO as defined in this BPM during Emergency events (including capacity and transmission events) declared by MISO unless unavailable because of maintenance, Force Majeure or other reasons outlined in this BPM. LMRs communicate to MISO their availability through the Demand Side Resource Interface (DSRI). MPs with LMR assets must provide updates to availability specific to each LMR that is listed in

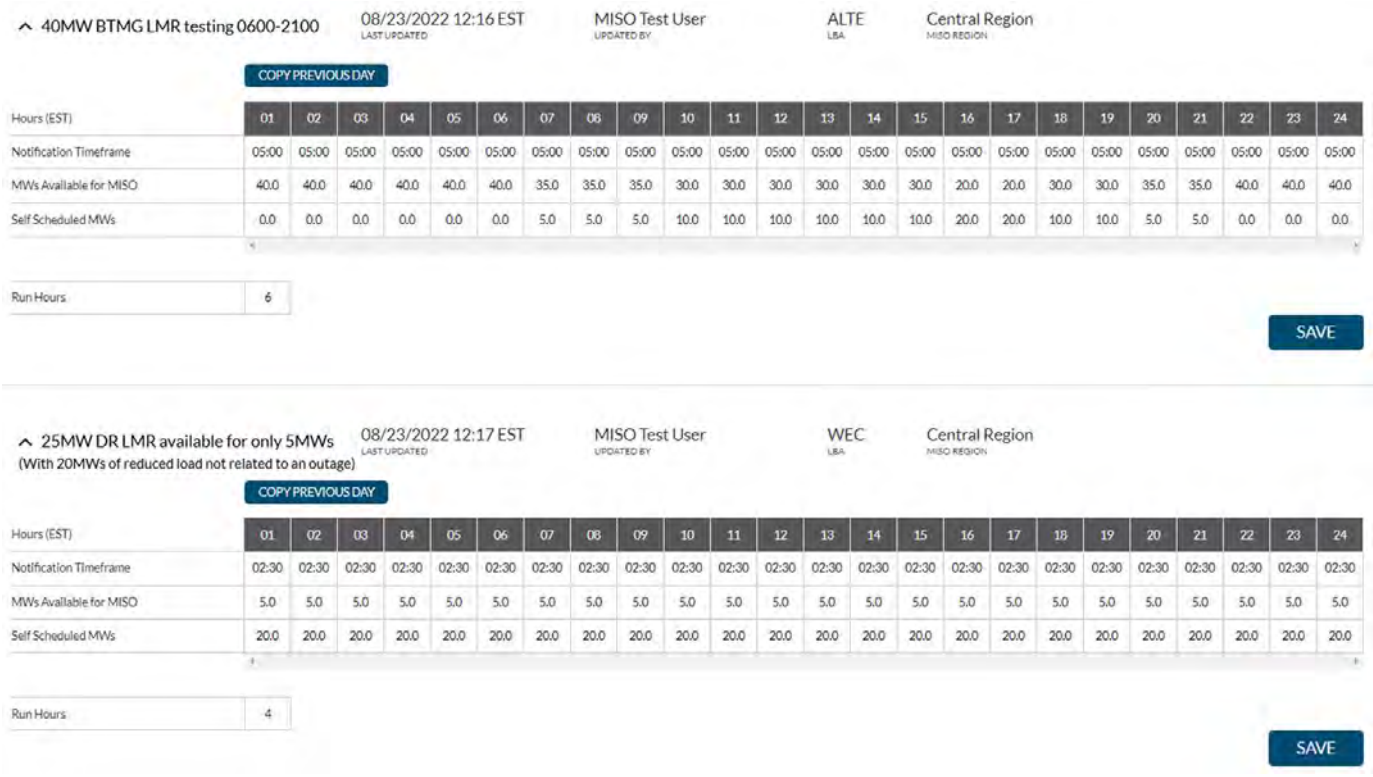
the DSRI. The DSRI is populated with the monthly Demand Reduction Capability Forecast values provided at the time of the LMR registration. If the LMR partially clears, the value in the DSRI will be adjusted by the % of the total seasonal ZRCs a resource clears in a Planning Resource Auction (PRA) or used in a Fixed Resource Adequacy Plan (FRAP) or RBDC Opt Out times the Demand Reduction Capability Forecast. If the LMR only partially clears the PRA, MISO will grant an opportunity to adjust the monthly MW values to account for the cleared LMR ZRCs. It is critical that LMR availability always be current as the Scheduling Instructions (dispatch directives) and ultimately performance and availability review will utilize the information in the DSRI at the time the Scheduling Instruction is issued and how the Market Participant responds to the Scheduling Instruction. If the LMR is on any type of derate, outage or otherwise not available, the LMR availability should be adjusted by decrementing the availability in the DSRI by reducing the “MWs available for MISO” for the affected LMR. The following are two examples of a 40 MW BTMG LMR derated by 25 MWs, and a 25 MW DR LMR derated by the full 25 MWs and is completely in outage:





If a BTMG is scheduled to be deployed by the MP, the “Self Scheduled MWs” section in the DSRI should be increased for LMR MWs that are scheduled to be deployed and the “MWs available for MISO” amount should be reduced to reflect the remaining MWs available for additional MISO deployment. If a DR is scheduled to be deployed by the MP, or it simply has

reduced load for the end-use at the facility then the “Self Scheduled MWs” section in the DSRI should be increased for LMR MWs that are scheduled to be deployed or has been already reduced, and the “MWs available for MISO” amount should be reduced to reflect the remaining MWs available for additional MISO deployment. Derates and outages that occur where load is not reduced should not be entered as “MWs available for MISO” or “Self Scheduled MWs”. The following are two examples of a 40 MW BTMG LMR coming online for a test between 0600 – 2100, and a 25 MW DR LMR available for only 5 MWs for MISO because there is reduced load at the facility:



40MW BTMG LMR testing 0600-2100 — LAST UPDATED: 08/23/2022 12:16 EST — UPDATED BY: MISO Test User — LBA: ALTE — MISO REGION: Central Region

COPY PREVIOUS DAY

Hours (EST)	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Notification Timeframe	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00
MWs Available for MISO	40.0	40.0	40.0	40.0	40.0	40.0	35.0	35.0	35.0	30.0	30.0	30.0	30.0	30.0	30.0	20.0	20.0	30.0	30.0	35.0	35.0	40.0	40.0	40.0
Self Scheduled MWs	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	10.0	10.0	10.0	10.0	10.0	10.0	20.0	20.0	10.0	10.0	5.0	5.0	0.0	0.0	0.0

Run Hours: 6

SAVE

25MW DR LMR available for only 5MWs (With 20MWs of reduced load not related to an outage) — LAST UPDATED: 08/23/2022 12:17 EST — UPDATED BY: MISO Test User — LBA: WEC — MISO REGION: Central Region

COPY PREVIOUS DAY

Hours (EST)	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Notification Timeframe	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30	02:30
MWs Available for MISO	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Self Scheduled MWs	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

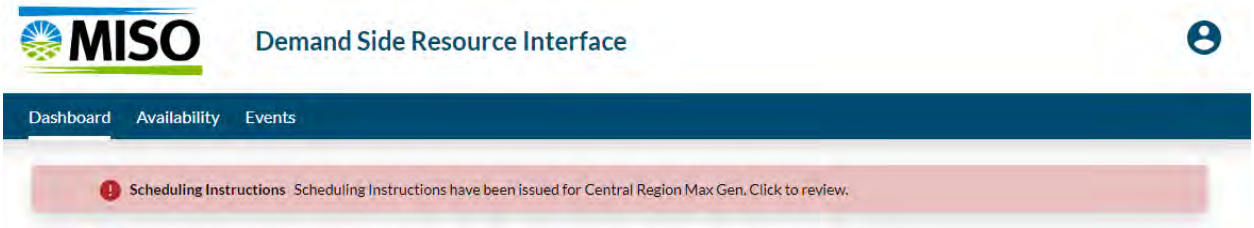
Run Hours: 4

SAVE

For specifics on DSRI functionality, please see the MP LMR Users Guide located in the Learning Center.

If an Emergency is declared by MISO that requires LMR deployment, MISO will issue Scheduling Instructions in the DSRI using the LMR availability information (“MWs available for MISO” and “Self Scheduled MWs”) provided by MPs. Self Scheduled MWs are included in a Scheduling Instruction to ensure that the MW deployed voluntarily by an MP continue to be deployed if required during an Emergency. Self Scheduled MWs are not subject to notification

times because they are already planned to be performing at those levels, as decided by the MP; however, MWs available for MISO are subject to notification times whenever Scheduling Instructions are created. The LBA and the MP will receive a notification of the Scheduling Instructions via a MISO Communications System (MCS) message (LMR Implementation MCS message type). MPs will also receive a Scheduling Instructions event banner within the DSRI application as shown below (with audible alerts until acknowledged).



Market Participants with LMRs must have personnel operating on a 24x7 basis that can receive and respond to MCS messages, Operator Interface Declarations and Messages, and LMR Scheduling Instructions events in the DSRI. The MP will need to acknowledge receipt of the Scheduling Instruction and update the remaining availability, if any, of the LMR(s) being used to meet the Scheduling Instruction in DSRI to reflect the MW amount available in the specified time(s). This update and acknowledgement should be done within one (1) hour of receiving the Scheduling Instruction from MISO. Also, before the Emergency deployment, the MP that registered the LMR(s) should submit the specific designation of LMRs and associated MWs used to meet the total MWs contained in the Scheduling Instruction via the Resource Deployment tab of the LMR Scheduling Instruction Event in the DSRI.

MPs that report LMR availability (including self-scheduled MWs) in the DSRI that is less than the performance obligation based on the MW value that is being used to meet RAR, may be requested to provide documentation and/or metering data to MISO for the dates and hours that MISO declared an Emergency. Meter data for the LMRs used to meet the MWs requested in the Scheduling Instruction mustbe uploaded in the Demand Response Tool within 103 days of the Emergency event or as requested by MISO.

MISO will not violate registration parameters (e.g., notification time) and real time availability updates provided by MPs when issuing a Scheduling Instruction. MISO does, however, rely on real time availability updates provided by MPs when issuing a Scheduling Instruction.

4.2.5.1 *LMRs with Dual Registration*

Market Participants that register LMRs are eligible to also register in the Energy market as Emergency Demand Resources and/or Demand Response Resources.

LMRs that have some capability registered as Emergency Demand Response (EDR) or Demand Response Resource (DRR) should adjust their availability in DSRI to reflect net LMR MWs available to MISO (e.g. decrement total LMR capability by EDR offer amount and DRR cleared Day-Ahead or pending Real Time offer). It is the responsibility of the Market Participant to ensure no double counting of MWs offered across the dual registration types. Double counted MWs may be subject to underperformance penalties.

1.1.1.1.3 4.2.5.1.1 LMRs Also Registered as Demand Response Resource (DRR)

DRR Type I and Type II that have converted SAC to ZRCs which were used to meet seasonal Resource Adequacy Requirements (RAR) are categorized as Capacity Resources under Module E-1 (Section 69A.3.1.b) and therefore are not LMRs. However, a DRR that does not convert all its associated SAC may also register the remaining SAC of the resource as an LMR. In this case, the SAC converted and used to meet RAR under the LMR designation would follow the respective LMR requirements and likewise the DRR SAC if converted and used to meet RAR would carry the must offer requirement. The combined SAC converted to ZRCs between the DRR designation and the LMR designation cannot exceed the assigned SAC value of the singular resource.

1.1.1.1.4 4.2.5.1.2 LMRs Also Registered as an Emergency Demand Resource (EDR)

A resource may qualify as an Emergency Demand Response (EDR) under Schedule 30 to participate in the Energy market regardless of whether it qualifies as an LMR under Module E-1. An LMR may also dually register and qualify as an EDR. In the case of a dual LMR / EDR registration, the resource may be dispatched as an EDR when there is a pending EDR offer (EDR offers are made daily). If the resource is not dispatched as an EDR, it maintains its LMR obligations, and its performance will be evaluated as such. Being dual registered requires the resource to meet the most stringent of the two designations' requirements. Also, the tolerance band allowed for an EDR does not apply when dual registered. MISO will not assign LMR penalties to Emergency Demand Response (EDR) resources that have already been assessed penalties under Schedule 30 of the Tariff.

For more information regarding the dual registration of LMRs as EDRs, please see Section 6.4 of BPM-026 Demand Response.

1.1.1.2 4.2.5.2 LMR Performance Obligations

The registered capacity of accredited LMRs that has been converted to ZRCs and has cleared in the PRA must be available as outlined above for use in the event of an Emergency declared by MISO. MISO will populate the DSRI with the monthly Demand Reduction Capability Forecast values provided at the time of the LMR registration. If the LMR partially clears, the value in the DSRI will be adjusted by the % of the total seasonal ZRCs a resource clears times the Demand Reduction Capability Forecast. MPs should keep these values up to date to ensure the availability is accurate as Scheduling Instructions will be based on the LMR Availability in the DSRI. The Available MWs for MISO should be consistent with the availability indicated in the LMR's registration. A Market Participant utilizing LMRs to meet Resource Adequacy Requirements will be subject to the penalties described in Section 69A.3.9 of the Tariff if the LMR is included in the Market Participant's response to Scheduling Instructions and the LMR fails to respond.

A Demand Resource (DR) must respond with an amount greater than or equal to the target level of load reduction or reduce Demand at or below the registered firm service level. DRs that registered with a Firm Service Level Measurement & Verification methodology that partially clear, will have the uncleared portion of the resource added to their registered firm service level (FSL) when evaluating performance. A BTMG must provide the target level of generation increase as indicated on the Market Participant's Resource Deployment tab of the LMR Scheduling Instruction Event in the DSRI when responding to Scheduling Instructions Combined, the Market Participant's DR and BTMG responses must meet the total MWs contained in their Scheduling Instruction.

This "target" level MW is indicated by the MP via the DSRI's Resource Deployment tab of the LMR Scheduling Instruction Event which outlines which LMRs were utilized and the associated MW levels to meet the total MWs contained in the Market Participant's Scheduling Instruction. An LSE shall be assessed the costs that were otherwise incurred to replace the Energy deficiency at the time the LMR was dispatched.

MISO will not assign LMR penalties to Emergency Demand Response (EDR) resources that have already been assessed penalties under Schedule 30 of the Tariff. LMR values entered in the DSRI availability will also be considered when evaluating whether target levels of generation

increase, or Load reduction have been met. For more information regarding the performance assessment of an LMR, please see BPM-026 Section 6.2.

The operators of LMRs that improperly report to MISO that an LMR is unavailable in the DSRI prior to receiving a Scheduling Instruction or the LMR does not respond when included in a Market Participant's response to Scheduling Instructions will have an opportunity to provide documentation of the specific circumstances that would justify exemption from such penalties. A penalty will not be assessed for any portion of the target level of Load reduction for a DR, or target level of generation increase for a BTMG, which had already been accomplished for other reasons (*i.e.*, for economic considerations, self-scheduling at or above the amount of BTMG committed in a Planning Resource Auction, or local reliability concerns) and properly reflected in the hourly availability in the DSRI for each resource. Likewise, for certain LMRs that are temperature dependent (*e.g.*, a Demand Resource program involving air conditioning load), the target level of Load reduction or target level of generation increase may be adjusted and the hourly availability in the DSRI should be updated to properly reflect the anticipated capability of the resource.

4.2.6 BTMG Qualification Requirements

MPs with BTMGs can qualify as LMRs by:

- Submitting monthly availability (in megawatts) and notification time (in hours) for the upcoming Planning Year.
- Intermittent BTMG (e.g., solar, wind, run-of-river hydro, etc.) are exempt from submitting the additional documentation for monthly availability and notification time as they are not dispatched via the DSRI.
- Confirming through the registration process such BTMG can be available to provide Energy with no more than 6 Hours advance notice from MISO or the LBA and sustain Energy production for a minimum of four (4) consecutive Hours.
- Confirming through the registration process that the BTMG is capable of being interrupted and available at least the first (5) times as needed during the Summer and Winter and at least the first (3) times as needed during the Spring and Fall by MISO or the LBA for emergency event purposes, consistent with the registration information of the physical capability of the BTMG.
- Confirming that the BTMG is equal to or greater than 100 kW (an aggregation of smaller resources that can produce Energy may qualify in meeting this requirement if located in the same LRZ).

- Behind the Meter Generation must demonstrate GVTC on an annual basis as described in Sec. 4.2.1.1 Qualification Requirements. See Appendix J – GVTC Testing Requirements for additional details.
- Behind the Meter Generation with any new or untested additional capacity are eligible for the ICAP Deferral Process as described in Sec. 4.5 ICAP Deferral.
- Submitting generator availability data (including, but not limited to, NERC GADS) into a database through the Market Portal for non-intermittent BTMG greater than or equal to 10 MW based on GVTC. Non-intermittent BTMG less than 10 MW based upon GVTC that begin reporting generator availability data must continue to report such information. Behind the Meter Generation that is an intermittent resource must submit information in accordance with Section 4.2.1.3 Intermittent Generation and Dispatchable Intermittent Resources - Qualification Requirements. Quarterly GADS Event and Performance Data must be submitted by the end of the month following the quarter (April for Q1, July for Q2, October for Q3, and January for Q4). The submitted data must have passed Level 2 Validation without any errors. Units that fail to submit Level 2 Validated quarterly GADS data will be disqualified for participation in the PRA.
- For wind resources being registered as BTMG, the following information is required:
    - Resources with commercial operation history of metered values during at least one Season would submit metered values in MW terms for all Hours in the test period.
    - Resources with no commercial operation history of metered values during the Season would receive class average for each Season within the Initial Planning Year.
- For solar resources being registered as BTMG, the following information is required:
    - Resources with at least 30 consecutive days of metered values for that Season would submit metered values in MW terms for all hours in the test period.
    - Resources with less than 30 consecutive seasonal days of metered values would receive class average for the Seasons within the Initial Planning Year.
- For storage resources that do not report to GADS (including but not limited to, batteries, flywheels, compressed air, and pumped storage) being registered as BTMG, the following information is required:
    - Resources with commercial operation history of metered values during no less than 30 consecutive days in a specific Season would submit historic

availability for the top 8 coincident system peak hours for a minimum of one and a maximum of three of the most recent applicable Planning Years for each Season.

- Resources with less than 30 consecutive days of metered values during a Season would receive class average accreditation for the Initial Planning Year.

- Internal purchase power agreements (PPAs) will not be qualified by MISO.
- BTMGs that have been retired prior to the Season will not qualify as a Planning Resource.
- If BTMGs used to meet Resource Adequacy Requirements retire or suspend during the Planning Year, they must be replaced effective with their change of status date.

4.2.6.1 *Submission of New BTMG Registrations*

An MP must register its new BTMG via the Registration screen in the MECT by March 1 prior to the Planning Year. The registering entity must be an MP prior to registering a BTMG. In order to guarantee new Resources can be used in an LSE's FRAP or RBDC Opt Out, registrations should be submitted no later than February 15 prior to the Planning Year. An entity that is not a MP, but desires to register a BTMG, must contact the Customer Registration team at register@misoenergy.orgMISO Help Center (https://help.misoenergy.org/) to become a MP. During the registration process the MP will be required to certify that the registration information is accurate, complete, and that the qualified MWs from the BTMG are not being registered by another party. Appendix E contains the information that must be submitted by an MP through the MECT registration screens. MISO will review the BTMG registration information for completeness and accuracy and ensure it complies with the qualification requirements for BTMG. MISO will endeavor to notify the MP within 15 days after the registration form was submitted regarding whether the BTMG has been accredited as an LMR, or whether there are any deficiencies that must be corrected. If the BTMG is accredited as an LMR, it will be given a unique name for tracking purposes and made available in the MECT screens for use by the MP.

4.2.6.2 *Termination of BTMG Accredited as LMR*

Because BTMGs need to be accredited seasonally, the "Effective Stop Date" will default to the last day of the applicable Season.

4.2.6.3 *Amendments to Accredited BTMG Registration Data*

The Market Participant can amend the registration for a BTMG for an upcoming Planning Year by providing MISO notification no later than March 1 if the original registration was submitted by February 1.

The Market Participant may modify any of the non-end date information submitted in the registration, which may affect the BTMG's qualification, including, but not limited to, a change in operation, or either an increase or decrease in MW capability. The Market Participant shall submit new or amended registration information in the MECT by March 1 prior to a Planning Year for MISO to determine whether the resource still qualifies as a BTMG. The Market Participant will still need to provide MISO with a GVTC by the original test date as outlined in the BPM. Any modifications in the capability of an existing BTMG must have updated test and registration information submitted to MISO via the MECT by March 1.

Renewal of BTMG for subsequent Planning Years

BTMG must be reviewed for accreditation as an LMR on an annual basis. An MP can request renewal of BTMG accreditation for subsequent Planning Years through the MECT registration screens. Renewal of BTMG must be requested by February 1^{sr} prior to the Planning Year.

NOTE: BTMGs must submit GVTC and/or operational data by the October 31 deadline, per Section 4.3, to have SAC values determined. MISO will review the revised BTMG registration information for completeness and accuracy and ensure it complies with the qualification requirements for BTMG. MISO will endeavor to review the registration for approval within 15 days after the revised registration form was submitted to determine whether the BTMG has been accredited as an LMR, or whether there are any deficiencies that must be corrected. If the BTMG is accredited as an LMR, then it will be given a unique name for tracking purposes and be made available in the MECT screens for use by the MP during the applicable Planning Year.

4.2.6.4 *Behind the Meter Generation (BTMG) – SAC Determination*

The SAC value for a BTMG is based on an evaluation of the applicable type and volume of interconnection service, GVTC (or historical output at peak if intermittent), line losses if not interconnected to MISO, and XEFORd value of such BTMG.

BTMG that are intermittent resources will have their SAC determined consistent with the methodology described for similar resource fuel types as described in Section 4.2.1.3,

Intermittent Generation and Dispatchable Intermittent Resources – Qualification Requirements, through 4.2.1.7, Other Intermittent Generation and Dispatchable Intermittent Resources.

4.2.6.5 *BTMG Deliverability*

Each BTMG resource owner must coordinate with their Distribution Provider (DP) to ensure local distribution service for the BTMG resource to qualify as an LMR type Planning Resource for participation in the PRA. The majority of BTMG is interconnected at distribution-level voltage; however, it is possible for BTMG to be interconnected at transmission-level voltage. Additionally, MPs with BTMG must coordinate with their LSE, DP, and Transmission Owner (TO) to determine eligibility to participate in the PRA. This section will outline the roles and responsibilities of an LSE, DP, TO, and MISO for an individual BTMG to participate in the PRA including specific methodologies available to the BTMG MP to demonstrate deliverability. Responsibilities of an entity may differ depending if the Point of Interconnection is on the distribution system or transmission system and will be noted.

1.1.1.2.1 4.2.6.5.1 Roles and Responsibilities to Determine Eligibility for PRA Participation

Additional descriptions of the role and responsibility of each entity is below. The MP owning a BTMG is responsible for providing an attestation to MISO that proper coordination has occurred with each entity.

Load Serving Entity (LSE): Collaborate with BTMG MP to establish eligibility for a BTMG to participate in the wholesale market (e.g., PRA) in accordance with the relevant state regulatory framework.

Distribution Provider (DP): Ensure reliability of distribution system and assess access to the transmission system. Typically, the DP completes an interconnection study to assess the reliability impacts on the distribution system. The DP is responsible for determining engineering studies, facility upgrades, and/or agreements required to permit access of a BTMG to the transmission system.

Transmission Owner (TO): Determine when the transmission system is utilized by a BTMG to serve load and coordinate with the DP and MISO on engineering and facility studies as appropriate. The TO typically ensures studies are completed, per their direction, to ensure

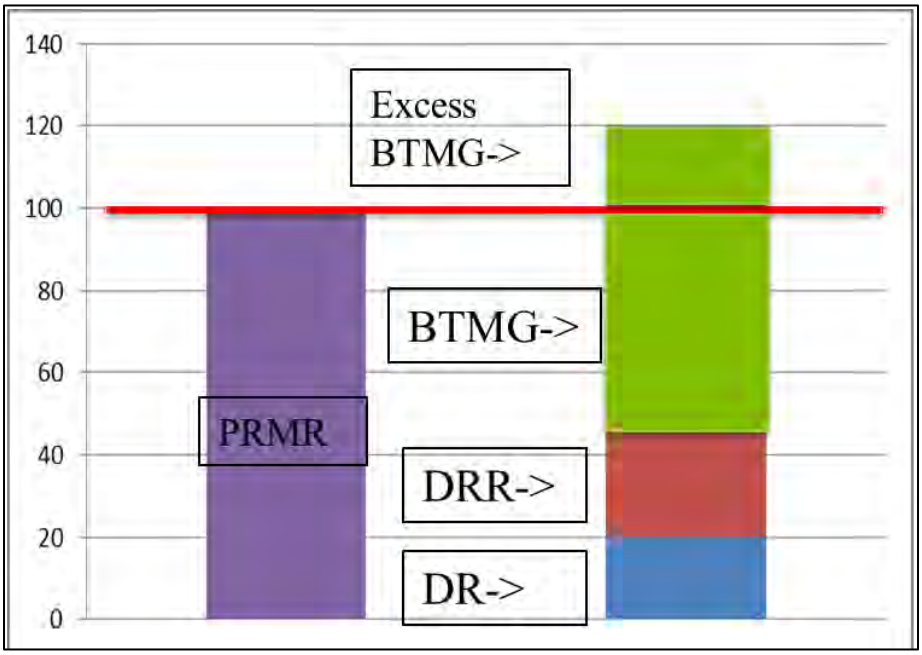
transmission facilities (including other interconnected generators) are not impacted by an additional injection of Energy from a BTMG onto the transmission system. Studies will vary depending on the specific Point of Interconnection.

MISO: Accountable for ensuring BTMG has demonstrated deliverability for use in the PRA (additional details below) and ensuring the BTMG MP has provided attestation of coordination with the LSE, DP, and TO.

1.1.1.2.2 4.2.6.5.2 Definition of "Excess BTMG"

Deliverability of BTMG is established relative to the portfolio of total BTMG assets owned or under contract by an LSE in a singular LBA. A BTMG that utilizes the transmission system or a volume of BTMG exceeding an LSE's "net PRMR" in a singular LBA is considered "Excess BTMG" and will need to demonstrate deliverability utilizing an option described in Sec. 4.2.6.5.3 – Options for BTMG to Demonstrate Deliverability. It is possible for the volume of "Excess BTMG" SAC to be less than the SAC of a singular BTMG. In this instance, the MP is eligible to demonstrate deliverability for a portion of a generator or multiple generators. MISO will collaborate with the BTMG MP to establish the specific Point of Injection onto the Transmission System.

The term "net PRMR" is utilized rather than Initial PRMR because it is possible for an LSE to have a portfolio of ZRCs that include registered Demand Resources (DR) and Demand backed Demand Response Resources (DRR_{demand}) that reduce the expected peak Demand by an LSE and result in a net injection onto the Transmission System. Net injection onto the Transmission System is "Excess BTMG" as represented by the figure below.



1.1.1.2.3 4.2.6.5.3 Options for BTMG to Demonstrate Deliverability

Below are the multiple options for a MP with BTMG to demonstrate deliverability:

Option 1: BTMG utilizing the distribution system to offset Initial PRMR. BTMG used to offset an LSE's load utilizing only the distribution system is considered deliverable up to the volume of "net PRMR" of an LSE in a singular LBA. No additional studies are required.

Option 2: Firm Transmission Service. The MP of the BTMG can apply for Point-to-Point or Network Integration Transmission Service using a type of "Monthly" or "Yearly" depending on the Point of Interconnection (POI). A BTMG with a POI on the distribution system can utilize "Yearly" type firm Transmission Service to facilitate a system impact study, if required. A BTMG with a POI on the Transmission System can use "Monthly" or "Yearly" type of firm Transmission Service since an ERIS study would have been completed. A Network Customer may designate a BTMG as a Network Resource through OATI OASIS utilizing firm Transmission Service.

Option 3: Interconnection Service of NRIS or External NRIS (E-NRIS). The MP of the BTMG can enter the Generator Interconnection Queue and apply for NRIS or E-NRIS. An MP can apply for E-NRIS with a BTMG that has a POI on the distribution system. A BTMG with a POI on the Transmission System is eligible for NRIS. The BTMG would be part of a MISO Definitive

Planning Phase (DPP) study and required to submit an application and deposits as appropriate. Refer to BPM-015 Generation Interconnection for additional details.

Option 4: Historical determination of deliverability. BTMG used to offset an LSE's Initial PRMR located in the same LBA and historically demonstrated deliverability prior to integration with MISO, as accepted by MISO or a Transmission Owner, is considered deliverable. Individual BTMGs may have demonstrated deliverability by confirmation by a Network Customer as a designated Network Resource or completion of a Market Transition Deliverability test prior to an LSE joining MISO.

4.2.6.6 *Measurement and Verification of BTMG*

See Attachment TT of the Tariff and BPM-026 Demand Response.

4.2.7 Demand Resource (DR) – Qualification Requirements

MPs with DR can qualify the DR as an LMR by:

- Submitting monthly availability (in megawatts) and notification time (in hours) for the upcoming Planning Year.
- Registering the reduction capability of the DR excluding transmission losses, consistent with conditions at MISO's seasonal Coincident Peak.
- Confirming through the registration process such DR can be available to reduce Demand with no more than six (6) Hours advance notice from MISO or the LBA and sustain the reduction in Demand for a minimum of four (4) consecutive Hours.
- Confirming through the registration process that the total DR load reduction is not exclusively accomplished and dependent on the dispatch of a BTMG owned or operated by a wholesale or retail customer.
- Confirming through the registration process that the DR is equal to or greater than 100 kW (an aggregation of smaller resources within an LBA that can reduce Demand may qualify in meeting this requirement if they are within the same Load Zone CPNode).
- Confirming through the registration process that the DR is capable of being interrupted at least the first (5) times during the Summer and Winter and at least (3) times as needed during the Spring and Fall as needed by MISO or the LBA for Emergency purposes, consistent with the registration information of the physical capability of the DR.

- Confirming that the Market Participant has the authority to reduce demand using the DR. In the case of an ARC registering a DR, this would include uploading into the MECT registration a copy of the signatory pages between the ARC and the load asset customers. MISO does not accept an attestation by the ARC as an artifact to demonstrate the Market Participant possesses ownership or equivalent contractual rights in a Demand Resource.
- Documenting in the MECT the DR's capability to reduce demand to a targeted Demand reduction level or firm service level at the MISO seasonal Coincident Peak. All DR owners should demonstrate Demand reduction capability of at least 50% of their registered capability via Scheduling Instructions from a MISO Event or conduct a real power test for accreditation and provide a procedure document detailing the steps followed to implement the Demand reduction. Additional details regarding the demonstration of Demand reduction capability are in section 4.2.7.8 below. If a DR opts not to demonstrate Demand reduction capability for accreditation, one of the following options may be used for accreditation:
    - Provide documentation from the state that has jurisdiction accrediting the DR program. Additionally, if not specified in the state documentation, provide documentation supporting the capacity of the DR being registered.
    - Verification from a third-party auditor that is unaffiliated with the MP that documents the DR's ability to reduce to the targeted Demand reduction level or firm service when called upon to perform by MISO or the LBA.
    - If past performance data does not exist to demonstrate Demand reduction capability, then a mock test can be provided. The mock test should show:
        - The Demand resource's seasonal meter data from the previous planning year. New resources can provide documentation supporting estimated seasonal Demand.
        - Documentation showing a mock execution or drill of implementing the Demand resource without implementing the Demand reduction.
    - Accreditation documentation, including past performance data, mock test, third party audit, or state commission documentation, supporting the MW being registered should be from the calendar year (January 1 to December 31) immediately preceding the applicable Planning Year. Renewed registrations must submit revised documentation on an annual basis for accreditation.
- If the DR opts out of demonstrating Demand reduction capability via Scheduling Instruction or a real power test, then the DR will be subject to three (3) times the

underperformance penalties during a MISO Emergency event. Specifically, undelivered MWs will be penalized at a rate of LMP times three (3), rather than LMP. The RSG component of the penalty will not be multiplied times three (3), nor will any capacity penalties or lost capacity revenue. Only a DR with a regulatory restriction will be eligible to waive the penalty.

- Documenting in the MECT the Measurement and Verification (M&V) protocol that will be used to determine if such DR performed when called upon by MISO or the LBA during Emergencies. A DR that is sensitive to temperature changes must identify the extent of such temperature sensitivity with sufficient detail to enable MISO to verify whether the DR would be subject to the penalties set forth in Section 69A.3.9 of the Tariff. Temperature sensitivity must at a minimum include identifying the measure used for temperature changes and elasticity of the LSE's load to weather. An MP that registers a DR as a Planning Resource must confirm that the DR is able to meet all of the requirements in Section 69A.3.5 of the Tariff.
- DR that has been retired prior to the Planning Year will not qualify as a Planning Resource.
- For every season an MP registers a DR, the underlying customer accounts for ARC registrations must be registered under a single DR registration name for every season in which it is registered. The registered capability and tested status can be different for each Season.

4.2.7.1 *Demand Resource Registration Process*

DR can be registered to be used as a Planning Resource and receive SAC MW that can be converted to ZRCs.

Submission of new DR Registrations

An MP may register new DR via the Registration screen in the MECT by March 1 prior to the Planning Year. To guarantee new Planning Resources can be used in an LSE's FRAP or RBDC Opt Out, registrations of a DR intended to be used in a FRAP or RBDC Opt Out should be submitted no later than February 15 prior to the Planning Year. The registering entity must be an MP prior to registering a DR. Any entity that is not a MP, but desires to register a DR, should contact the Customer Registration team at MISO Help Center (https://help.misoenergy.org/) to become a MP. The MP will be required to certify that the registration information is accurate, complete, and that the qualified MWs from the DR are not being registered by another party. Appendix D – Registration of DRs contains the information that must be submitted by an MP through the MECT Registrations screen. MISO will review the DR registration information for

completeness, accuracy, and ensure it complies with the qualification requirements for DR. MISO will endeavor to review the registration within 15 days after the registration was submitted to determine whether the DR has been accredited as an LMR, or whether there are any deficiencies that must be corrected. If the DR is accredited as an LMR, it will be given a unique name for tracking purposes and made available in the MECT screens for use by the MP.

Submission of ARC (Aggregator of Retail Customers) **LMR Registrations**

The LBA and LSE will verify the following:

- LBA name
- LSE name
- RERRA name
- CPNode name
- End use customer account number
- Meter identification number(s)
- Maximum level of participation (MWs)
- Address of the assets in the ARC registration.

The maximum level of participation for each asset within an LMR resource should be no greater than that asset's load as evaluated by the LBA or LSE.

The assets' load should be calculated as the average load of the assets up to the last three years' seasonal MISO system peak hours. One or two years of load data may be used if the full three years is not available, but an explanation must be submitted as to why the full three years are not available. For example, a new facility that has only been in operation for two years would be a reason less than three years of load data is accepted.

It is the responsibility of the Market Participant to provide an explanation which demonstrates why historical average peak load is not representative of expected future peak load for an asset and propose an alternative method of calculating the maximum level of participation for review and approval by MISO and the LSE.

If during registration review, the LBA or LSE is identified to be incorrect for assets in a registration, the registration will be rejected. The Market Participant can submit a new registration once the Market Participant has identified the correct LBA or LSE. This will restart the review timeline for MISO, the LBA, the LSE, and RERRA.

Any modification to the assets during the review will restart the review timeline for MISO, the LBA, the LSE, and RERRA.

Instances where the ARC LMR's customer changes LSEs:

- The LSE identified by the ARC LMR should be correct at the time of the ARC LMR's registration submitted to the Module E Capacity Tracking (MECT) tool. Otherwise, the ARC LMR Registration will be rejected.
- If the ARC LMR's LSE changes during the registration process, the ARC LMR registration can be revised. The date the registration was submitted will be sent along to the LSE for their review.
    - It is the responsibility of the ARC LMR's customers and the ARC to identify LSE changes.
    - It is the responsibility of the ARC LMR to notify MISO, the old LSE, and the new LSE when changes to the ARC LMR's customer's LSE occur.

4.2.7.2 *Termination of Demand Resource Accredited as LMR*

Because DRs need to be accredited annually, the "Effective Stop Date" will default to the last day of the applicable Planning Year.

4.2.7.3 *Amendments to Accredited DR Registration Data*

The Market Participant can amend the registration for a DR for an existing upcoming Planning Year by providing MISO notification no later than March 1, if the original registration was submitted by the February 1 due date.

The MP may modify any of the non-end date information submitted in the registration, which may affect the DR's qualification, including, but not limited to, a change in operation, number of interruptions, advisory notice period, maximum duration, or accreditation amount as either an increase or decrease in either its targeted MW level or firm service level. The MP shall submit registration information in the MECT Registrations screen by March 1 prior to the Planning Year for MISO to determine whether the resource still qualifies as an LMR.

4.2.7.4 *Renewal of DR for subsequent Planning Years*

A DR must be reviewed annually for accreditation as an LMR. A MP can request renewal of DR accreditation for subsequent Planning Years through the MECT Registrations screen. Renewal of DR must be requested by February 1 prior to the Planning Year. MISO will review the renewed DR registration information for completeness and accuracy and ensure it complies with the qualification requirements for DR. MISO will endeavor to notify the MP within 15 days after the renewed registration form was submitted regarding whether the DR has been accredited as an LMR, or whether there are any deficiencies that must be corrected. If the DR is accredited as

an LMR, it will be given a unique name for tracking purposes and made available in MECT for use by the MP during the applicable Planning Year. Section 4.2.7.3 Amendments to Accredited DR Registration Data rules also apply to renewed DRs in subsequent Planning Years.

4.2.7.5 *Demand Resources – SAC Determination*

A Demand Resource must be registered and accredited with MISO and will receive 100 percent of its capacity rating for the Planning Year. Seasonal capacity values for Demand Resources will be based on documentation from the state, third party auditor, past performance, or mock test consistent with their ability at MISO's seasonal Coincident Peak Demand. Since DR is a reduction in Demand, SAC is adjusted upward by applying the MISO PRM and transmission loss percentage for the LBA to the capacity rating.

4.2.7.6 *Demand Resource Deliverability*

The owner of ZRCs converted from DR may use them as part of a FRAP or RBDC Opt Out or offer them into the PRA. The DR ZRCs are considered deliverable regardless of the LRZ where the DR physically resides.

4.2.7.7 *Measurement and Verification of Demand Resource*

See Attachment TT of the Tariff and BPM-026 Demand Response.

4.2.7.8 *Demand Resource – Testing Requirements*

The testing period for a DR to demonstrate Demand reduction capability is the calendar year (January 1 to December 31) immediately preceding the applicable Planning Year unless a test deferral is submitted (see section 4.2.7.9 Demand Response Test Deferral). For example, the testing period for the 2025-26 Planning Year will be January 1, 2024 to December 31, 2024. DR shall demonstrate seasonal Demand reduction capability for a minimum of 1-hour duration with an attestation that the DR can continue the reduction for a minimum of 4 consecutive hours. Results should be submitted in accordance with LMR registration deadlines and attached to the LMR registration.

Test results should be adjusted to MISO seasonal Coincident Peak conditions. Upward adjustments shall not exceed +50% of each DR and may include, but not limited to, factors such as temperature, humidity, and/or other process load variations. Downward adjustments are allowed down to the 100kw minimum total for a DR registration. Adjustments to test results should be documented and submitted with the test results to support the capacity accreditation

for the DR. Adjustments to DR test results are subject to MISO review and approval during the LMR registration process each year.

DR are required to demonstrate performance of at least 50% of their registered seasonal capability via Scheduling Instructions from a MISO Event or conduct a real power test. If a DR is only able to demonstrate at 50% to 80% of their intended registered MW capability, an attestation from an officer of the Market Participant registering the DR, or from a financially responsible entity, must be provided to MISO during the registration process documenting the reasons for the difference between the registered capability and the demonstrated amount (i.e., industrial process, temperature, etc.). If demonstrating greater than 80% of the registered capability, the DR shall need to provide documentation supporting the adjustments made to normalize the MW capability to seasonal peak conditions.

Results may be uploaded to the documentation section of the LMR registration in MECT and may include: (1) test results including the meter data for the entire day of the tests, (2) historical meter data for 10 days around the MISO seasonal Coincident Peak with the MISO seasonal Coincident Peak as a midpoint, to calculate the capacity baseline, and (3) any other supporting documentation necessary for the LMR capability adjustment. The templates used for submitting the requested meter data may be found on the MISO public website under Markets and Operations > Demand Response.

If a DR is unable to demonstrate performance of at least 50% of the registered MW capability of the DR [only partially performs], the DR must retest the underperforming portion(s) of the DR or create separate registrations for the portions of the DR that did not exceed the 50% performance threshold. If the DR is unable to demonstrate performance of at least 50% of the registered MW capability during the testing period, the DR may still qualify for the PRA by opting out of the testing requirement, provided that the DR will then be subject to the three (3) times penalty provisions for underperformance described in Section 4.2.9 Electric Storage Resource.

If a DR underperforms during a MISO Emergency event and that event is chosen by the DR owner to satisfy the testing requirement, the tested portion of the DR will equal the actual reduction achieved during the event. If a DR only partially tests, the entire DR may be registered, however, separate registrations will be required. For example, the tested portion of the DR would be one registration and the untested portion of the DR would be another registration. If a DR is made up of an aggregation of different physical locations, each location can demonstrate performance—or elect not to—separately. Tested locations may be

aggregated together and untested locations may be aggregated together in registrations, as long as all locations are within the same Load Zone CP Node. Separate registrations for tested versus untested resources are required in order for MISO to accurately assess penalties for underperformance during a MISO Emergency event, as the untested DR would be subject to the three (3) times penalty, unless the untested DR is not required to test per qualification requirements in 4.2.9 Electric Storage Resource.

When testing a DR, accurate availability should be reflected in the DSRI by showing the DR as self-scheduled. If an MP plans to test DR greater than 20 MW, the MP should notify MISO operations two (2) Business Days prior to conducting a test by submitting the DR Testing Notification Template to the MISO ITOC (ITNOCRequests@misoenergy.org). The DR Testing Notification Template should include: (1) LMR name, (2) MP, (3) Load Zone CP Node, (4) expected MW reduction, (5) expected reduction date and hour(s), (6) notification time, and (7) operator contact information in case MISO Operations has questions. New DR and DR that did not clear the PRA will not be able to update the DSRI, however, these DR should still notify MISO by utilizing the DR Testing Notification Template.

4.2.7.9 Demand Response Test Deferral

The MP must provide written notification to MISO (https://help.misoenergy.org) of their intention to defer Demand Response testing by February 1 prior to the upcoming Planning Year. This DR Testing Deferral Notice must be from an officer of the company and include the following information:

- Company Name
- NERC ID of Company
- Planning Resource Name
- Local Balancing Authority (LBA) or External Balancing Authority (BA) where located
- Expected DR test value (MW)
- Estimated completion date of DR test

Once the DR test is completed, information pertaining to it must be submitted via written notification to MISO (https://help.misoenergy.org).

A Demand Resource providing such notice must satisfy credit requirements by March 1 prior to the Planning Year totaling the ICAP value registered, but not tested, multiplied by $2,400/MW, where $2,400 is the product of 3 * 4 * $200 to account for the three (3) times Energy penalty assumed under the waiver, the four (4) hours of LMR requirements, and a $200 LMP as a proxy for pricing under emergency conditions.

If the Market Participant submits the real power test results on or before the last business day of the month prior to the Season the DR was used in a FRAP or RBDC Opt Out or cleared the auction within the Planning Year that are equal to or greater than the expected DR test value, then the Transmission Provider will adjust the Market Participant's credit requirement to account for these changes within twenty (20) Business Days after that real power test is submitted.

If SAC associated with a Planning Resource for which DR testing has been successfully deferred are unconverted to ZRCs, the Market Participant may provide notice to the Transmission Provider that it wishes to forfeit the deferred DR value, in which case the Transmission Provider will adjust the Market Participant's DR value and credit requirement within twenty (20) Business Days.

A Market Participant that provides a DR Test Deferral Notice and that either (1) has not submitted any real power test result for such DR by the last business day of the month prior to the Season the DR was used in a FRAP or RBDC Opt Out or cleared the auction within the Planning Year, or (2) has submitted a real power test result by the last business day of the month prior to the Season the DR was used in a FRAP or RBDC Opt Out or cleared the auction within the Planning Year that demonstrates fewer megawatts are available than the expected DR test value submitted in the DR Test Deferral Notice, shall be subject to a penalty equal to three (3) times the Hourly Real-Time Ex Post LMP at the Load CPNode for any such deficiency and distributed pursuant to the Market Participants representing the LSEs in the Local Balancing Authority Area(s) that experienced the Emergency that required the use of an LMR. Such revenues shall be distributed on a Load Ratio Share basis. In addition, such Market Participant shall not have their credit released until a real power test result demonstrating the availability of all megawatts submitted in the DR Test Deferral Notice is submitted and verified by the Transmission Provider, or the end of the Planning Year, whichever is earlier.

4.2.8 Energy Efficiency Resources

Energy Efficiency (EE) Resources are installed measures on retail customer facilities that achieve a permanent reduction in electric Energy usage while maintaining a comparable quality of service. The EE Resource must achieve a permanent, continuous reduction in electric Energy

consumption (during the defined EE Performance Hours) that is not reflected in the peak load forecasts used for the PRA for the Planning Year for which the EE Resource is proposed. The EE Resource must be fully implemented at all times during the Season within the Planning Year, without any requirement of notice, dispatch, or operator intervention. Examples of EE Resources are efficient lighting, appliance, or air conditioning installations; building insulation or process improvements; and permanent load shifts that are not dispatched based on price or other factors.

The reduction in electric Energy consumption due to existing EE programs that is reflected in the CPD forecast cannot qualify as an EE Resource. All the requirements to offer or commit an EE Resource in MISO's capacity planning market are detailed in the sections below. One of the major requirements includes the measurement and verification of the EE Resource's Nominated EE Value for a Season within the Planning Year. The Nominated EE Value is the expected average Demand (MW) reduction, excluding transmission losses, during the defined EE Performance Hours in each Season of the Planning Year. The EE Performance Hours are between the hour ending 13:00 Eastern Prevailing Time (EPT) and the hour ending 19:00 EPT during all days of the applicable Season the EE Resource is seeking capacity accreditation, inclusive, of such Planning Year, that are not a weekend or federal holiday.

A Measurement & Verification (M&V) plan describes the methods and procedures for determining the Nominated EE Value of an EE Resource and confirming that the Nominated EE Value is achieved. The EE Resource provider must submit an initial Measurement & Verification plan for the EE Resource by February 1 prior to the PRA in which the EE Resource is to be initially offered. The EE Resource provider must submit an updated Measurement & Verification plan for the EE Resource by February 1 prior to the next PRA in which the EE Resource is to be subsequently offered. Post-installation of the EE Resource, the EE Resource provider must submit an initial Post-Installation M&V Report for the EE Resource by March 1 prior to the first Planning Year that the EE Resource is committed to PRA. The EE Resource Provider must submit updated Post-Installation M&V Reports by March 1 prior to each subsequent Planning Year that the resource is committed. Failure to submit an updated Post-Installation M&V Report by March 1 prior to a subsequent Planning Year or failure to demonstrate that post-installation M&V activities were performed in accordance with the timeline in the approved M&V Plan will result in a Nominated EE Value equal to zero MWs of seasonal ZRCs for the Planning Year.

The last Post-Installation M&V Report submitted and approved by MISO prior to the Planning Year that the EE Resource is committed will establish the Nominated EE Value that is used to

measure PRA commitment compliance during the Planning Year. Details regarding seasonal PRA commitment compliance and the associated penalty for failure to deliver the unforced value of a seasonal PRA capacity commitment are detailed below.

MISO reserves the right to audit the results presented in an initial or updated Post-Installation M&V Report. The M&V Audit may be conducted at any time, including during the defined EE Performance Hours. If the M&V Audit is performed and results finalized prior to the start of a Planning Year, the Nominated EE Value confirmed by the Audit becomes the Nominated EE Value that is used to measure seasonal PRA commitment compliance during the Planning Year. If the M&V Audit is performed and results are finalized after the start of a Planning Year, the Nominated EE Value confirmed by the M&V Audit becomes the Nominated EE Value prospectively for the remainder of that Planning Year.

Energy Efficiency installations that are installed prior to any given Planning Year are eligible to participate in seasonal PRAs or be used in a FRAP or RBDC Opt Out for that Planning Year and three subsequent Planning Years. For example, an EE Resource installed and qualified prior to June 1, 2013, could participate in the seasonal PRAs or be used in a FRAP or RBDC Opt Out for 2013/14, 2014/15, 2015/16, and 2016/17 Planning Years provided the EE Resource registers and meets the qualification requirements for each Planning Year. After four years, the EE Resource could no longer be used as a Planning Resource but would continue to be included as a reduction in the Demand forecast.

4.2.8.1 *Energy Efficiency Resource – Measurement and Verification*

See Attachment UU of the Tariff.

4.2.9 Electric Storage Resource

An Electric Storage Resource (ESR) is a resource capable of receiving electric Energy from the grid and storing it for later injection of Energy back to the grid. The ESR includes all technologies and/or storage mediums, including but not limited to, batteries, flywheels, compressed air, and pumped storage. The location of an ESR may be at any point of grid interconnection, on either the Transmission System or a local distribution system. An ESR must:

- be capable of injecting a minimum of 100 kW;
- be capable of complying with MISO's Setpoint instructions;
- have the appropriate metering equipment installed; and

- be physically located within the MISO Balancing Authority Area.

4.2.9.1 *Electric Storage Resource - Qualification Requirements*

An ESR may qualify as a Capacity Resource for the Planning Resource Auction (PRA) provided the resource is a Use Limited Resource that is able to continuously discharge for a minimum of 4 hours across the expected peak hour each Operating Day and meets the following criteria:

- An ESR must demonstrate discharge capability during each of the seasonal auctions the ESR will be used to meet RAR.
- Verification of capability will be based on the power (MW) and the Energy rating (MWh) via data included in a populated Non-GADS Performance Template and submitted to MISO through the MECT.
- For an upcoming PRA, the following data for the ESR must be submitted to the MECT by October 31 to qualify for the PRA using the Non-GADS Performance Template: Nameplate Capacity, Net Energy Rating (MWh), and Hourly Equivalent Discharge Amount (MW) from the ESR testing (minimum of 1 hour and a maximum of 4 hours).
- An ESR must demonstrate deliverability in order to qualify as a Capacity Resource for participating in the PRA. If an ESR is interconnected to the MISO Transmission System, the Resource can either obtain Network Resource Interconnection Service (NRIS) under Attachment X or procure Firm Transmission Service in conjunction with Energy Resource Interconnection Service (ERIS). If an ESR is interconnected to the Distribution System, the Resource will be subject to coordination with Distribution Provider, Transmission Owner, and MISO Transmission Service. For more information, see section "4.2.8.5.1 - Roles and Responsibilities to Determine Eligibility for PRA Participation."

4.2.9.2 *Electric Storage Resource - Hourly Equivalent Discharge Amount (MW)*

The Hourly Equivalent Discharge Amount (MW) of an ESR will be calculated as:

$$\frac{Total\ Net\ Energy(MWh)}{Total\ Hours\ tested}$$

where The Total Net Energy Rating (MWh) and the Total Hours tested are based on the data submitted to MISO through a populated Non-GADS Performance Template.

4.2.9.3 *Reporting Historical Data*

Market Participants will use MISO's Non-GADS Performance Template found on the Resource Adequacy page of the MISO website to submit the appropriate unit and operational data for the upcoming Planning Year. A populated Non-GADS Performance Template must be submitted to MISO by October 31 of each year via the Module E Capacity Tracking (MECT) tool to be eligible for accreditation in the Planning Resource Auction applicable to the following Planning Year.

Reporting availability data for an ESR is not required if the ESR has less than 10 MW of nameplate capacity and the Market Participant has never provided such data for the ESR.

4.2.9.4 *ESR Capacity Accredited Value Determination*

MISO will determine the accreditation for each ESR based upon an evaluation of its demonstrated capability, resource availability, and Interconnection Service if applicable. ESRs must demonstrate deliverability prior to participating in the PRA. Deliverability will be demonstrated by the Market Participant and verified by MISO depending upon the Point of Interconnection of the resource. A class average unavailability rate will be applied to an ESR to determine a default class average capacity accreditation value prior to being in service long enough to calculate a unit-specific forced outage rate. A 5% unavailability rate will be assumed until sufficient ESRs exist (30 or more individual units) to come up with an average value. The accreditation of an ESR with sufficient historical data is calculated through the Non-GADS Performance Template.

4.2.10 Qualifying Facilities (QF)

Certain generators may be recognized as a Qualifying Facility under PURPA. MISO offers three modeling options that facilitate market participation for QF generators. Each of the options, described below, are reflected differently in the PRA. Each QF should coordinate with its LSE to determine eligibility.[1]

Gross Modeling: Load and generation associated with a QF are modeled separately in the PRA. Load associated with the QF would be included in the LSE's Demand forecast submitted to MISO and generation is modeled as a Generation Resource with a CPNode. QF generators utilizing this option are required to meet the accreditation requirements for testing and

[1]Additional details can be found in MISO's Qualifying Facilities White Papers on the MISO website. Markets and Operations-> Markets and Operations-> Whitepapers.

deliverability as described in Section 4.2.1 Generation Resource but not Dispatchable Intermittent Resource or Intermittent Generation.

Hybrid Modeling: When QF generation exceeds the associated QF load, both load and generation may be modeled as a single Generation Resource CPNode. The expected net injection onto the transmission system (e.g., QF generation – process load served by QF generation) is modeled as the GVTC. QF generators utilizing this option are required to meet the accreditation requirements for testing and deliverability as described in Section 4.2.1 Generation Resource but not Dispatchable Intermittent Resource or Intermittent Generation.

BTMG Modeling: Load and generation associated with a QF are modeled separately in the PRA. Load associated with the QF would be included in the LSE's Demand forecast submitted to MISO and generation is modeled as a BTMG. QF generators utilizing this option are required to meet the accreditation requirements for testing and deliverability as described in Section 4.2.6 BTMG Qualification Requirements.

4.2.11 Hybrid and Co-Located Resources

For purposes of accreditation, Hybrid Resources and Co-Located Resources will be accredited in two phases: Phase I – Sum of Parts accreditation and Phase II – Availability-based accreditation. Phase I applies in the initial service life of a Hybrid Resource or Co-Located Resource before operating history is available. Phase II applies once a Hybrid Resource or Co-Located Resource has historical operating data. See Appendix X – Hybrid and Co-Located Resource Accreditation for details.

4.3 Confirmation and Conversion of SAC MW

A ZRC represents 1 MW-day of qualified Seasonal Accredited Capacity (SAC) from a Planning Resource for a specific Season of a Planning Year, tracked to the nearest tenth of a MW, pursuant to the applicable ZRC qualification procedures described herein. To create a ZRC, an MP must confirm the SAC MW and then convert SAC MW from each qualified Planning Resource to seasonal ZRCs through the Convert SAC screen in MECT. SAC confirmation and conversion must be completed per the timeline specified in appendix K.

When seasonal ZRCs are converted from SAC by the Asset Owner, the seasonal ZRCs are populated into the available ZRC account for that Asset Owner. MISO will keep track of how many ZRCs the MP has created, and how many remaining SAC MWs for each Planning Resource are available for conversion to ZRCs. Once created, MISO will track ZRCs back to the

specific Planning Resources that they were created from to assist with establishing clearing requirements, the auction clearing process, and market mitigation monitoring.

4.4 ZRC Transactions

4.4.1 Transfer of ZRCs

Available ZRCs can be transferred between MPs using the MECT. This is accomplished in the 'ZRC Transactions' tab in the MECT. Both the 'Buyer' and 'Seller' are required to account for a ZRC transaction in the MECT. The 'Seller' is required to submit the transaction in the MECT and the 'Buyer' is required to confirm the transaction reported. Once the transaction has been submitted and confirmed by both parties, the ZRC transaction volumes will be subtracted from the seller's available ZRC account and added to the buyer's available ZRC account. ZRC transactions are from the transaction date to the end of that Season. In situations where the ZRC transaction is only intended for part of a Season, the ZRCs can be transferred back to the original MP and would be effective for the rest of the Season. The Market Participant that registered the Planning Resource is responsible for complying with all Tariff requirements. The MECT allows transactions based the ZRC balance in the Seller's portfolio. ZRC transactions can occur throughout the PRA auction cycle, including during the Offer window. ZRC transactions can also be utilized during the Planning Year to facilitate ZRC replacement transactions.

a. ICAP Deferral

i. Summary

ICAP Deferrals allow Market Participants (MPs) to participate in the Planning Resource Auction (PRA) using Zonal Resource Credits (ZRCs) that have been credited to the following:

For Schedule 53 Resources:

- an untested new Planning Resource;
- new Schedule 53 Resources that have not or will not achieve the Commercial Operation Date (COD) by March 1 prior to the upcoming Planning Year, an existing Planning Resource that is returning to operation from a catastrophic outage or suspension; an existing Planning Resource where the Market Participant's GVTC extension request was denied or the Market Participant missed the GVTC submittal deadline and failed to request an extension;
- an existing Planning Resource that is returning to the MISO market.
- For Non-Schedule 53 Resources:
- an untested new Planning Resource;

- new Non Schedule 53 Resources that have not or will not achieve the Commercial Operation Date (COD) by March 1 prior to the upcoming Planning Year
- an existing Planning Resource that is returning to operation from a catastrophic outage or suspension;
- an existing Planning Resource increasing its capability through increases to GVTC or Interconnection Service (IS);
- an existing Planning Resource where the Market Participant's GVTC extension request was denied or the Market Participant missed the GVTC submittal deadline and failed to request an extension;
- an existing Planning Resource that is returning to the MISO market.
-

Schedule 53 Resources that submit ICAP Deferral will get SAC class average for the deferred season(s) while non-Schedule 53 Resources will get the lesser of GVTC or IS, multiplied by (1-class average XEFORd).

ii. Requirements and Timeline

The MP must provide written notification to MISO (https://help.misoenergy.org) of its intention to defer ICAP by February 15 prior to the upcoming Planning Year. This ICAP Deferral Notice should state that the Planning Resource will demonstrate deliverability, demonstrate commercial operation including filing a COD Notification (Appendix E to the GIA) with MISO Resource Integration (ResourceIntegration@misoenergy.org), have confirmed Transmission Service , and/or perform a real power test to submit its GVTC after March 1, but before the last Business Day, prior to the start of the deferred Season. The ICAP Deferral Notice can be found in Appendix T of this BPM. The ICAP Deferral Notice must be from an officer of the company and include the following information:

- Company Name
- NERC ID of Company
- Planning Resource Type
- Planning Resource Name/CPNode Name/Unit Number
- Local Resource Zone (LRZ) or External Resource Zone (ERZ) where Planning Resource is located
- Planning Resource Fuel Type
- Estimated ICAP Value in MW
- Estimated Completion Date of ICAP
- Reason for deferring (See Appendix U)Season(s) to be deferred

- Generator Interconnection Agreement (GIA) Number (only necessary if deferral includes upgrades to Interconnection Service)
- Expected NRIS and ERIS values
- GVTC / COD declaration for intermittent resources
- Commercial Operation Date
- TSR Number
- Other ICAP Type

Once the GVTC test is completed, information pertaining to it must be submitted via written notification to MISO (https://help.misoenergy.org/) by the last Business Day prior to a Seasons' start date for all deferred ZRCs that cleared in the PRA or were included as part of a FRAP or RBDC Opt Out. For intermittent resources COD declaration is used to meet the GVTC submittal requirement. For intermittent BTMG an attestation of COD must be submitted to MISO.

New resources must have (i) an executed GIA or an unexecuted GIA accepted by FERC and (ii) be registered in the June Commercial Model prior to the upcoming Planning Year at the time of the ICAP Deferral request. For modeling SAC in the PRA, the resource must be modeled in the March model prior to the PRA in order to offer into the PRA accordingly. For example, the resource needs to be in the March 2025 Commercial Model to participate in the 2025-2026 Planning Resource Auction.

The MP requesting the ICAP Deferral must post 90 days of credit for the ICAP value of the untested ZRCs no later than March 1 prior to the upcoming Planning Year. The credit will be based on the 90 days of daily CONE for the LRZ in which the resource is located.

MISO will adjust the Market Participant's credit requirements within ten (10) Business Days of the full ICAP being met and has been validated by MISO or when the MP provides written notification to MISO Resource Adequacy that a Planning Resource replacement has been completed.

4.5.3 Uncleared ZRCs with ICAP Deferrals

If the untested ZRCs will not be used in a FRAP or RBDC Opt Out or will not be offered into the PRA, the MP that registered the resource may provide notice to MISO by March 1 that it wishes to forfeit the deferred ICAP value. MISO will recalculate the resulting Seasonal Accredited Capacity (SAC) value and will adjust the credit requirements within ten (10) Business Days after

receiving the notice. Furthermore, if the untested ZRCs do not clear the PRA, MISO will release credit back to the MP that submitted the ICAP Deferral Notice.

4.5.4 ICAP Deferral Non-Compliance Charge

The MP that submitted the ICAP Deferral request is responsible for completing ICAP or resource replacement by the last Business Day of prior to a Seasons' start date for all deferred ZRCs that cleared in the PRA or were included as part of a FRAP or RBDC Opt Out. Any ICAP not completed or replaced by the last Business Day prior to a Seasons' start date will be subject to the ICAP Deferral Non-Compliance Charge for each day the ICAP or the Planning Resource replacement is not completed.

The ICAP Deferral Non-Compliance Charge will be based on the sum of the applicable seasonal Auction Clearing Price (ACP) and daily CONE based on the LRZ or ERZ of the Planning Resource, multiplied by the number of ZRCs that have not been replaced or tested.

The distribution of ICAP Deferral Non-Compliance Charge will be allocated pro-rata based on each LSE's share of the total seasonal Final Planning Reserve Margin Requirements (PRMR) in MISO.

Please refer to Appendix U for Examples of ICAP Deferrals.

5 Resource Adequacy Requirements

5.1 Overview

MISO's Resource Adequacy construct ensures that adequate Planning Resources are maintained for each Local Resource Zone (LRZ) to meet the MISO footprint's seasonal Final Planning Reserve Margin Requirement (Final PRMR). An LSE can meet its seasonal Final PRMR by any of the following ways:

1) Self-scheduling of ZRCs
2) Fixed Resource Adequacy Plan (FRAP)
3) Participating in the Planning Resource Auction (PRA)
4) Paying the Capacity Deficiency Charge (CDC)
5) Reliability Based Demand Curve Opt Out (RBDC Opt Out)

5.2 Local Resource Zones

MISO developed Local Resource Zones (LRZ) to reflect the need for an adequate amount of Planning Resources to be in the appropriate physical locations within the MISO Region to reliably meet Demand and LOLE requirements. MISO will provide the details of each LRZ no later than September 1 of the year prior to a Planning Year. The geographic boundaries of each of the LRZs will be based upon analysis that considers: (1) the electrical boundaries of Local Balancing Authorities; (2) state boundaries; (3) the relative strength of transmission interconnections between Local Balancing Authorities; (4) the results of previous LOLE studies; (5) the relative size of LRZs; and (6) market seams compatibility. MISO may re-evaluate the boundaries of LRZs if there are changes within the MISO Region including, but not limited to, any of the preceding factors, significant changes in membership, the Transmission System and/or Resources.

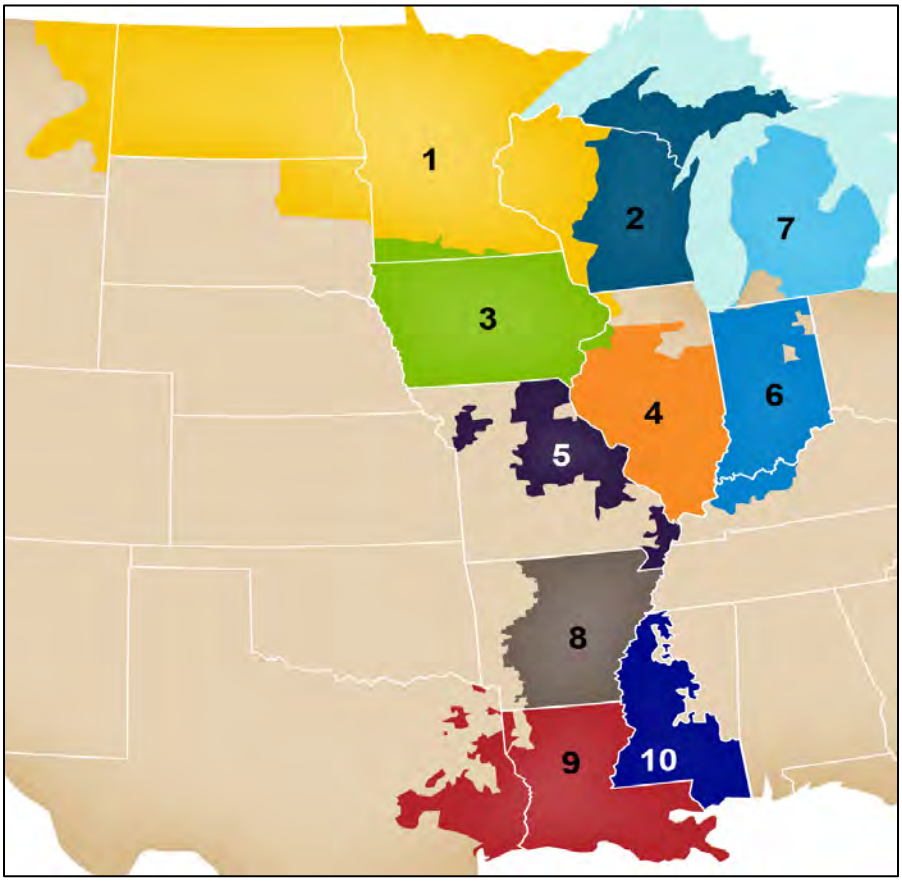


Figure 5: Local Resource Zones Map

5.2.1 Change in LRZ Configuration

MISO, after working with stakeholders and submitting a Tariff revision to Attachment VV that has been accepted by the Federal Energy Regulatory Commission, may change the configuration of the LRZs if a re-evaluation trigger has occurred and after consideration of the criteria outlined for consideration in setting LRZ boundaries. Changes to LRZ configuration will only be applicable to future Planning Years that have not already been cleared through the PRA. MISO will share any re-evaluation triggers and the results of the analysis documenting the impacts of the proposed LRZ boundary changes with stakeholders in an open and transparent manner prior to making any filings to change LRZ boundaries.

Once the boundaries of an LRZ have changed, its boundaries should stay constant for at least three years to provide stable future locational signals.

5.2.1.1 Re-evaluation Triggers

The Transmission Provider may re-evaluate the boundaries of LRZs if there are significant changes in the Transmission Provider Region. Such changes are called re-evaluation triggers, and they include, but are not limited to, the following:

1) Significant changes in membership:
   Re-evaluation may occur for LRZs where there are membership changes in the MISO system or for areas which neighbor the regions where there is a membership change. Re-evaluation may occur prior to or in the cycle immediately following the integration of new members into the MISO system.
2) Significant changes in the Transmission System:
   Transmission infrastructure must be on target to be in-service by June 1 of the year which would follow a filing for an LRZ boundary changes (i.e., the transmission must be in-service for the first summer where the zonal changes will go into effect). The changes to the transmission system should impact transmission constraints represented in the MISO Resource Adequacy construct for the zone(s) being reevaluated.
3) Significant changes in Resources:
   Changes to the resource mix may include the addition of significant new generation or the retirement of significant existing generation. The resource changes should be shown to modify the transmission system flows in the zone(s) being studied, impacting transmission constraints represented in the MISO Resource Adequacy construct.

The existence of a trigger will not guarantee that a zonal change will be implemented; the trigger will allow the analysis to proceed and will be considered as part of the final decision on whether or not to change zonal boundaries.

5.2.1.2 Re-evaluation Considerations

Once a re-evaluation trigger has been met, the geographic boundaries of the zone or zones may be re-evaluated. This re-evaluation will be based upon an analysis that considers the following factors.

1) Electrical Boundaries of Local Balancing Authorities
2) State boundaries
3) Relative strength of transmission interconnection between Local Balancing Authorities

4) Results of LOLE studies
5) Relative Size of LRZs
6) Natural geographic boundaries such as lakes and rivers

The electric boundaries of Local Balancing Authorities, state boundaries, and natural geographic boundaries will be considered by inspection. Additional information on the process used to analyze the other criteria is below.

Relative Strength of Transmission Interconnections between Local Balancing Authorities
Multiple aspects of the transmission system are considered in this portion of the evaluation. These aspects are first investigated individually, and the final assessment considers all of the factors. The assessment includes the following:

- Previously identified LOLE results (Capacity Import and Export Limit constraints)
- Constraint variation(s)
- Transmission projects
- Physical ties including post-contingency connectivity and transmission service

LOLE results identified for Capacity Import and Export Limit analysis before and after the boundary change is applied will be considered. Zonal transfer analysis yields a list of constraints. The most limiting constraint after redispatch determines a zone's limit in the LOLE study. In the re-evaluation analysis, the less limiting constraints are also considered since reconfigurations impact the transfer level at which constraints are limiting. Also, while there can only be one limiting constraint, multiple constraints can be seen at similar transfer levels. For example, assume the most limiting constraint is at a transfer level of 100 MW. There are two additional constraints at 99 MW and one at 90 MW. Since these transfer levels are very close, all four are considered in this evaluation.

Constraint variation is caused by reconfiguration of Local Resource Zones. This variation is caused by changing the generation that is used to create the transfer. Zonal definitions determine which generators are used in the transfer analysis so any change in zonal definition may result in a difference in the impact the transfer has on the constraint. It is possible that a constraint has an impact above the threshold before reconfiguration and less than the threshold afterwards which is considered in this evaluation.

The impact of approved MTEP Appendix A and Target A transmission projects is considered. If a project mitigates a constraint and the project is expected to be in service prior to the Planning

Year under consideration, then the impact of the transmission project to the LOLE results is considered.

MISO will consider the number of ties of any reconfigured zone. Generally, a reconfigured zone should have two or more ties with the rest of MISO. Two or more ties between the zones are optimal when planning for contingencies so the zones are still connected post-contingency. Any LBA being added to an existing LRZ should have two or more ties with an LBA in the new LRZ. Any other impacted LRZs should have contiguous LBAs with two or more ties. Further consideration is needed if an LBA leaving an LRZ results in an LRZ with unconnected LBAs. In addition, confirmed transmission service between zones may be considered when evaluating reconfigurations. Confirmed long-term transmission service indicates transmission capacity between the zones has been previously evaluated.

The Results of LOLE Studies
LOLE studies will be performed with the LRZ configuration being considered. The results of this analysis will be compared with the prevailing LRZ configuration. This LOLE analysis includes a MISO PRM model analysis (Section 3.5), LRZ LRR determination (Section 5.2.2.2), and capacity import and export limit analysis (Section 5.2.2.1) for the LRZ configuration being considered and for the prevailing LRZ configuration. The results of this analysis and comparison with the prevailing system results will be used as one factor in determining whether LRZ changes are warranted, in conjunction with the other LRZ considerations.

Relative size of LRZs
The relative size of an LRZ will contain no less than 2,000 MW of Demand.

5.2.1.3 Determination of LRZ Boundaries

Following the determination of an LRZ re-evaluation trigger, the conclusion of all analysis with consideration of stakeholder feedback will determine whether the LRZ boundaries will be changed. This determination will be based upon the benefits and/or risks that the LRZ boundary changes would present on the system. MISO's final determination will be shared with stakeholders and the changes will be filed with FERC.

5.2.1.4 External Resource Zones

MISO developed External Resource Zones (ERZs) to reflect the physical location of External Resources and establish Auction Clearing Prices for such External Resources (other than

Coordinating Owner and Border External Resources). An ERZ will be created for each External Balancing Authority adjacent to MISO with Planning Resources participating in the MISO PRA. Current External Resource Zones:

ERZ	Area(s)
EZ20	KCPL, OPPD, WAUE
EZ22	PJM
EZ23	OVEC
EZ24	LGEE
EZ26	AECI
EZ27	SPA
EZ28	TVA

External resources ZRCs are counted toward the MISO North/Central region and the MISO South region based on transmission shift factors that are calculated annually.

5.2.1.5 Establishing Sub-Regional Resource Zones (SRRZ)

MISO will also establish SRRZs applicable for each Planning Year. A SRRZ is a zone, comprised of an LRZ or combination of two or more LRZs, to administer constraints in accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

Currently, MISO has two SRRZs: MISO South, defined as LRZs 8, 9 and 10, and MISO Midwest, defined as LRZs 1-7. These SRRZs are a result of the settlement agreement between MISO, SPP, and the other Joint Parties. This agreement established Regional Directional Transfer Limits (RDTL) that limit the amount of total transfer between these two SRRZs in the PRA. The RTDL from South to Midwest is 2,500 MW and the RTDL from the Midwest to South is 3,000 MW.

MISO shall establish the Sub-Regional Export Constraint (SREC) and Sub-Regional Import Constraint (SRIC) for each Season by March 1 prior to the Planning Year. The methodology for determining the SREC and SRIC for each SRRZ is described below.

1.1.1.2.4 5.2.1.5.1 Determination of Seasonal SREC and SRIC

The following steps describe the steps MISO will utilize to calculate the SREC and SRIC.

1. Begin with the Regional Directional Transfer Limits (RDTL) between the two SRRZs

2. Complete a feasibility analysis to review operational events from the previous seasonal peaks to determine if a further reduction to the Regional Directional Transfer Limit is warranted for reliability.
3. Decrement the initial RDTL (from step 1) based upon completed feasibility analysis
4. Subtract from the net RDTL (from step 3) the sum of Firm Reservations on MISO OASIS that utilize the contract path between South and Midwest and are exporting the MISO BA for the applicable Season of the Planning Year. This difference determines the SREC and SRIC to be utilized for that Season of the Planning Year.

Example from the 2016-2017 Planning Year

1. The RDTL from South to Midwest is 2,500 MW and from Midwest to South is 3,000 MW.
2. MISO's feasibility analysis for the 2016-2017 Planning Year determined that no additional reduction of the RDTL was required; 0 MW.
3. The net RDTL for 2016-2017 is equal to the initial RDTL; South to Midwest is 2,500 MW and from Midwest to South is 3,000 MW.

4. The MISO OASIS Reservations, in each direction, that exported from the MISO BA for the 2016-2017 Planning Year were summed:
   South to Midwest Direction: 1,624 MW
   Midwest to South Direction: 206 MW

Final SREC and SRIC applied for the 2016-2017 Planning Year:
South SRRZ SREC: 876 MW
South SRRZ SRIC: 2,794 MW
North SRRZ SREC: 2,794 MW
North SRRZ SRIC: 876 MW

1.1.1.2.5 5.2.1.5.2 Regional Directional Transfer Limit Feasibility Analysis

On an annual basis, prior to administrating the PRA, MISO will review operational data from the previous seasonal peaks to determine if operational events experienced in the past and forecasted expected conditions for the applicable Planning Year Season warrant a reduction in the initial RDTL between the MISO South and Midwest Regions. MISO will review the results of the feasibility analysis with stakeholders prior to implementing in a PRA.

The following data sources are considered for the feasibility analysis:

- Studies that assess MISO transfer capability between Regions
- Studies that assess load diversity between Balancing Authorities
- Transmission system constraints
- Congestion history on relevant transmission constraints
- Capacity or Transmission Emergency alerts, warnings, or events

5.2.2 Local Requirements and Transfer Capability

5.2.2.1 Calculation of Transfer Limits for the Planning Resource Auction(s)

MISO will determine the seasonal import and export limits for each LRZ by performing a transfer analysis study. The study produces Zonal Import Ability (ZIA) and Zonal Export Ability (ZEA) values which represent a zone's ability to import and export capacity in every Season, respectively. The seasonal ZIA and ZEA values are adjusted by the amount of exports (Controllable Exports (CE)) to non-MISO load from the zone to determine a zone's seasonal CIL and CEL. Seasonal CIL and CEL determine the maximum amount of ZRCs that can be imported or exported respectively to/from that zone in that Season. The seasonal ZIA is an input to the calculation of the seasonal Local Clearing Requirement (LCR) for each LRZ, as described in Section 5.2.2.3 (Establishment of Local Clearing Requirement). Seasonal LCR, CEL, and CIL are inputs to the Planning Resource Auction clearing process. Transfer analysis will be performed on seasonal Powerflow models appropriate for the upcoming Seasons in the next planning year.

Transfer analysis is not required to calculate an ERZ CEL; instead, MISO will determine the seasonal CEL of each ERZ by determining the volume of SAC for External Resources within that zone. The seasonal CEL will be set to the MW SAC in the ERZ no later than eight (8) business days before the last business day in March.

Transfer Analysis

Transfer capability is the measure of the ability of interconnected electric systems to reliably transfer power from one area to another under certain system conditions. The incremental amount of power that can be transferred will be determined through First Contingency Incremental Transfer Capability (FCITC) analysis. First Contingency Total Transfer Capability

(FCTTC) indicates the total amount of power able to be transferred before a constraint is identified. FCTTC is the base power transfer plus the incremental transfer capability.

$$Total\ Transfer\ Capability\ (TTC) = Base\ Power\ Transfer + \ FCITC$$

Linear FCITC analysis will identify limiting constraints with a minimum Distribution Factor (DF) cutoff of 3%, meaning the transfer and contingency must increase the loading on the overloaded element by 3% or more. In addition, facilities must have loadings 100% or more of the normal rating for system-intact conditions and loadings 100% or more of the emergency rating for N-1 contingencies.

Export and import capabilities of subsystems will be respected and machine limits are enforced. Exporting an LRZ's available capacity will include offline units. A pro-rata dispatch is used which ensures all available generators will reach their max dispatch level at the same time. The pro-rata dispatch is based on the MW reserve available for each unit and the cumulative MW reserve available in the subsystem. The MW reserve is found by subtracting a unit's base dispatch from its maximum dispatch, which reflects the available capacity of the unit. Refer to Table 2 and the equation below for an example of how one unit's dispatch is set, given all machine data for the source subsystem.

Machine	Base Model Unit Dispatch (MW)	Minimum Unit Dispatch (MW)	Maximum Unit Dispatch (MW)	Reserve MW (Max dispatch – Unit Dispatch)
1	20	20	100	80
2	50	10	150	100
3	20	20	100	80
4	450	0	500	50
5	500	100	500	0
			Total Reserve	310

Table 2: Example Subsystem

$$Machine\ 1\ Post\ Transfer\ Dispatch = \frac{(Machine\ 1\ Reserve\ MW)}{(Source\ Subsystem\ Reserve\ MW} \times Transfer\ Level\ MW$$

$$Machine\ 1\ Post\ Transfer\ Dispatch = \frac{80}{310} \times 100 = 25.8$$

$$Machine\ 1\ Post\ Transfer\ Dispatch = 25.8$$

General Assumptions

Power flow models and input files are required to determine the import and export limits of each LRZ in each Season. Input files (subsystem and contingency) from MTEP studies built for timeframes matching the effective period of the transfer limit study will be used. Single-element contingencies in MISO and seam areas are evaluated. Other than the power flow model, all other input files will be the same across all Seasons within the Planning Year.

Subsystem files will be modified to include required source and sink definitions, details are provided in the next two sections (Import and Export Limit Determination Sections). The monitored file will include all facilities under MISO functional control and Seam facilities 100 kV and above.

Power flow models will contain approved MISO MTEP Appendix A and Target A projects with effective dates on or before the effective date of the study model. Planning Resources, internal and external to MISO will be dispatched in the base model according to the Generator Modeling and Transactions/Interchanges sections of the Transmission Planning Business Practices Manual, or BPM-020. The following generators are excluded from the incremental transfer analysis dispatch:

- Nuclear
- Generators with negative dispatch
- Hydro
- Wind
- Solar

Wind and solar will be ramped down for transfers and will not be ramped up. Maximum wind output will be limited to base dispatch in the power flow model which is set by the wind capacity credit. MISO and external area interchange in the base case will be set to the net of the expected firm transactions with its neighbors.

If a Transmission Owner has identified a zonal import limit that is binding as a result of the exclusion of nuclear (headroom) or other resources in the sink of the transfer study, the TO may inform MISO of the limitation and MISO will evaluate the ZIA and update accordingly, at MISO's sole discretion.

Seasonal Zonal Import Ability (ZIA) and Seasonal Capacity Import Limit (CIL) Determination

To determine an LRZ's seasonal limits, a generation-to-generation transfer is modeled from a source subsystem to a sink subsystem. For import limits, the limit is determined for the sink subsystem. Import limits are found by increasing MISO generation resources in adjacent Local Balancing Authorities (LBAs) while decreasing generation inside the LRZ under study. LBAs that are interconnected with the LRZ under study are considered adjacent. Tiers are used to define the generation pool used for import studies and are comprised of the adjacent systems of the zone being studied.

- Tier 1 – Generation in the MISO LBAs adjacent to the LRZ under study
- Tier 2 – Tier 1 plus generation in MISO LBAs adjacent to Tier 1

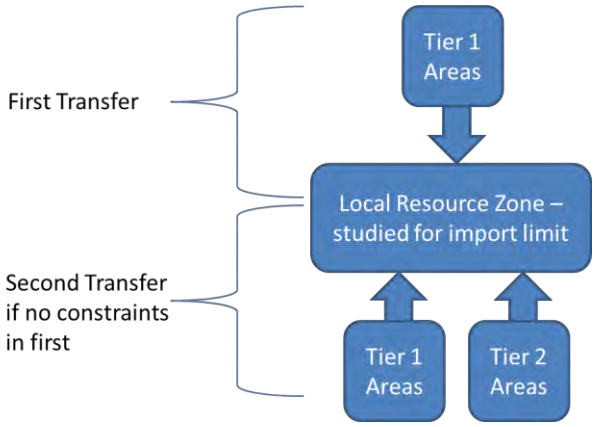


Figure 5.1: Tiered import illustration

Import limit studies are analyzed first using Tier 1 generation only. If no constraint is identified, the source is expanded to include Tier 2 and the transfer is retested. If a constraint is identified, redispatch is tested. If redispatch mitigates the constraint completely and an additional constraint is not identified, the source is expanded to include Tier 2 and the transfer is retested. If constraints are identified using Tier 1 generation, Tier 2 generation is not needed to determine the zone's import limit.

The results of the analysis produce the seasonal Zonal Import Ability. This value will be used to determine the seasonal CIL after accounting for exports to non-MISO load.

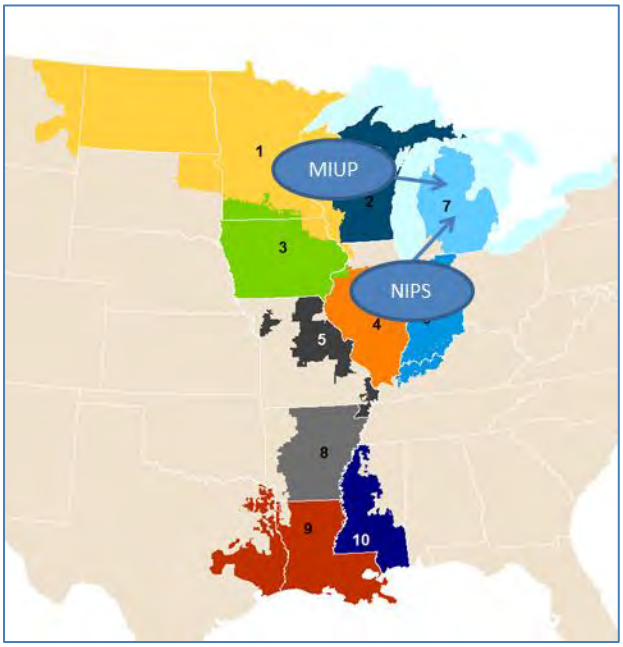


Figure 5.2: Example - MISO LBAs Used for First Test of LRZ 7 import limits

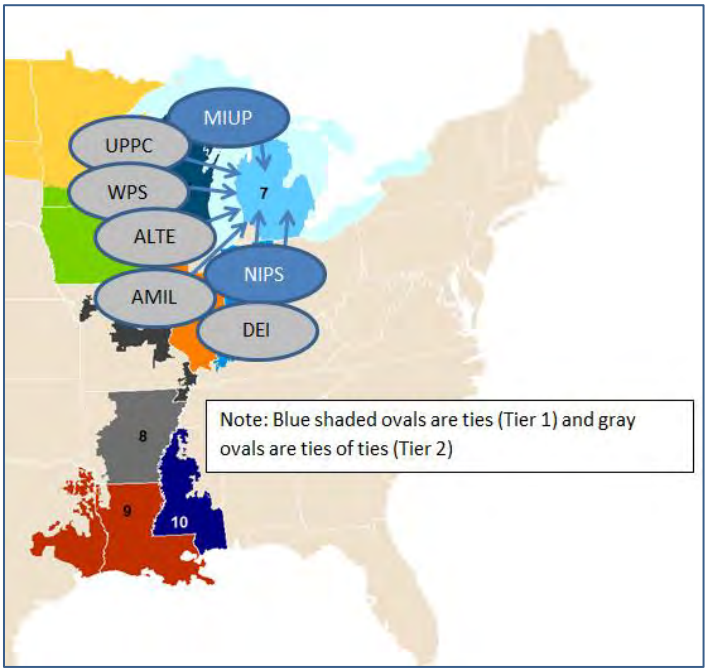


Figure 5.3: Example - MISO LBAs Used for Second Test of LRZ 7 import limits

Seasonal Zonal Export Ability (ZEA) and Seasonal Capacity Export Limit (CEL) Determination

The LRZ being studied for a seasonal export limit, is the source subsystem for the transfer. Available generation within the LBA(s) contained in that particular LRZ is increased proportionately while all generation dispatched, except for nuclear, wind and other intermittent resources, in all other MISO LBAs is decreased proportionately. This method produces the seasonal ZEA which is used to determine the seasonal CEL after accounting for exports to non-MISO load.

Figure 5.4: Example - MISO LBAs Used for LRZ 7 export limits

Redispatch

LOLE study redispatch is based on prior MTEP study methods. The base assumptions are as follows:

- No more than 10 conventional plants or wind plants will be used
- Redispatch limited to 2,000 MW total (1,000 MW up and 1,000 MW down)
- Nuclear units are excluded
- Wind and other intermittent resources can only be ramped down

For import redispatch scenarios, all generation resources in the zone being studied and adjacent systems (Tier 1 or Tiers 1 & 2) used for the transfer will be eligible to be ramped up. All MISO generation resources will be eligible to be ramped down. If the limiting constraint is a Reciprocal Coordinated Flowgate (RCF), MISO will work with the Seam entity to determine if an adjustment to external dispatch is appropriate and impactful.

For export redispatch scenarios, only MISO generation resources within the zone being studied are eligible to be ramped up. All MISO generation resources are eligible to be ramped down. As with import redispatch, if the limiting constraint is a Reciprocal Coordinated Flowgate (RCF), MISO will work with the Seam entity to determine if an adjustment to external dispatch is appropriate and impactful.

Adjustment for Exports to Non-MISO Load

FERC issued an order on December 31, 2015 which required studies to be neutral to units within MISO areas that are exporting to non-MISO load. MISO identifies and removes the impact of these exporting units on zonal area interchange. These adjustments result in an increase to CIL and decrease to CEL for zones with exports to non-MISO load.

Generation Limited Transfer

When conducting transfer analysis, the source subsystem might run out of generation to dispatch before identifying a constraint caused by a transmission limit. MISO has developed a process referred to as Generation Limited Transfer, or GLT, to identify transmission constraints in these situations.

After running the FCITC analysis to determine import and export limits for each LRZ, MISO will determine whether a zone is experiencing a GLT. If the LRZ is experiencing a GLT, MISO will adjust the base model dependent on whether the analysis is an import or export study and re-run the transfer analysis.

For an export study, when a transmission constraint has not been identified after dispatching all generation within the exporting system (LBAs under study) MISO will decrease load and generation dispatch in the study zone. The objective of the adjustment is to create additional capacity to export from the zone. After the adjustments are complete, MISO will perform transfer analysis on the adjusted model to be in line with section 5.2.2.1 (Calculation of Transfer Limits for the PRA). If a GLT is observed again, further adjustments will be made to the load and generation of the study zone.

For an import study, when a transmission constraint has not been identified after (a) decreasing all generation within the LRZ under study, (b) or dispatching all generation within Tiers 1 & 2, MISO will adjust load and generation in the source subsystem, Tiers 1 & 2. This will increase the capacity available to import into the study zone. After the adjustments are complete, the transfer analysis will be completed on the adjusted model to be in line with section 5.2.2.1. If a

GLT is observed again, further adjustments to the model would be made to the load and generation in Tiers 1 & 2.

FCITC could result in the transmission system supporting large thermal transfers for some zones which might result in some additional considerations. First, large GLT adjustments for export limits could result in reactive-power issues in the zone. Additionally, any load scaling beyond 50% of the zone's load in the base model could result in unrealistic modeling for a summer peak scenario and could lead to unreliable limits and constraints. Therefore, load scaling for both import and export studies will be limited to 50% of the zone's load.

If the GLT does not produce a limit for a zone(s), whether due to a valid constraint not being identified or due to other considerations as listed in the prior paragraph or in the case of a Zone where no valid limit is found in a particular Season, then the seasonal CIL or seasonal CEL will use the following equation where Capacity is the amount available to export or import from Tier 1 & 2 LBA's in the Base Case and where Base Case Flows is the Area Interchange for the study LRZ in the base Powerflow model.

ZIA/ZEA = Capacity + Base Case Flows

MISO shall report that LRZ as having no seasonal CIL/CEL limit and ensure that the transfer amount in the PRA will not bind in the first iteration of the Simultaneous Feasibility Test (SFT).

Voltage Limited Transfer for import studies

Zonal imports may be limited by voltage constraints due to a decrease in the generation dispatch in the zone being studied. Voltage constraints might occur at lower transfer levels than thermal limits that are determined by linear FCITC. As such, LOLE studies may include evaluation of Power-Voltage curves for major disturbances for LRZs with known voltage-based transfer limitations. Known transfer limitations will be identified through existing MISO or member Transmission Owner studies. Additionally, a study could be considered if an LRZ's import reaches a level where the majority of the zone's load would be served using imports from non-zonal resources. MISO will coordinate with stakeholders as these scenarios are encountered.

Processing and Reporting Results

The transfer analysis results for each LRZ consist of a list of constraints and their corresponding FCITC and FCTTC values up to the requested transfer level. The constraint with the smallest

FCTTC will be used to determine each Seasons' ZIA, ZEA, CIL and CEL. The limits are the total transfer capability of the corresponding limiting constraint. Refer to Section 5.2.2.3 Establishment of Local Clearing Requirementregarding how the seasonal ZIA impacts the seasonal Local Clearing Requirement (LCR) calculation. Stakeholder review of the constraints will occur through the LOLE working group.

If a zone's seasonal Local Clearing Requirement (LCR) is greater than the zone's seasonal Initial Planning Reserve Margin Requirement (PRMR) and an existing MTEP project is not expected to increase the seasonal ZIA, MISO will follow the process outlined in section 4.5.1 of the Transmission Planning BPM to identify a project to increase the zone's seasonal CIL.

Timeline and Posting of Results
Posting of power flow models and input files will be completed before analysis begins, if stakeholders have feedback for the models, it should be provided to MISO in a timely manner. The models and associated input files will be made available to the same location where MTEP Powerflow models are shared (https://misoenergy.sharefile.com/).

The outcome of this process will identify a ZIA, ZEA, CEL and CIL for each of the LRZs for each Season within the next Planning Year. MISO will publish the values for each LRZ by November 1 preceding the applicable Planning Year.

5.2.2.2 Establishment of Local Reliability Requirement

Each LRZ's seasonal Local Reliability Requirement (LRR) is the amount of SAC MWs required, located within the specific LRZ, to yield a 0.1-day-per-year LOLE at the load level for the LRZ at the time of the LRZ peak, without assistance from resources outside the respective LRZ (other than Border External Resources and Coordinating Owner External Resources modeled in the zone as described in section 4.2.3.2 (External Resource Qualification Requirements)). The LOLE study process is further described in the annual LOLE Study report posted on MISO's website.

Each Seasons' LRR will be established using the following iterative process:

- Use the LOLE model to determine the resources required in the LRZ to maintain 1 day in 10 years LOLE, representing the LRZ as isolated from the rest of MISO with no transmission ties to the outside world.
- Each LRZ contains the same load and internal resources from the PRM Analysis.

- For each LRZ, the model will initially be run with no adjustments to the capacity. If the LOLE is less than 0.1 day per year, a perfect negative unit with zero forced outage rate will be added until the LOLE reaches 0.1 day per year for the LRZ. This is comparable to adding Coincident Peak seasonal Demand. If the LOLE is greater than 0.1 day per year, proxy units based on a unit of typical size and forced outage rate will be added to the LRZ until the LOLE reaches 0.1 day per year for the LRZ.
- After solving for 0.1 day per year on an annual basis, risk-deficient Seasons will have a minimum reliability criteria set to 0.01 LOLE and adjustments to capacity in the model will be made until the LOLE reaches 0.01 day per Season.

The minimum amount of capacity above the zonal seasonal Coincident Peak Demand required to meet the reliability criterion of a 0.1 day per year LOLE value will be utilized to establish the Local Reliability Requirement (LRR) for each Local Resource Zone for each Season within the Planning Year. The LRR study utilizes the Year 2 zonal seasonal Coincident Peak Demand supplied by LSEs in the prior Planning Year PRA cycle. The per-unit LRR values are annually calculated by MISO and reviewed with stakeholders through the Loss of Load Expectation Working Group. The zonal per-unit seasonal LRR values are multiplied by the total zonal seasonal Coincident Peak Demand forecast (which is the sum of all CPD forecasts submitted by LSEs in each LRZ) for the prompt Planning Year PRA(s), inclusive of transmission losses, to calculate each Local Resources Zone's Local Reliability Requirement that will be enforced in each annual and Transitional Planning Resource Auction.

5.2.2.3 Establishment of Local Clearing Requirement

The final steps in calculating an LRZ's seasonal LCR is to account for the external transmission ties and controllable exports to non-MISO systems, by reducing the seasonal LRR by the seasonal ZIA determined in accordance with Section 5.2.2.1 (Calculation of Transfer Limits for the PRA) and by controllable exports. Controllable exports are firm capacity commitments from MISO units to non-MISO load and may be committed and dispatched by MISO during emergencies. All 10 LRZs have LCRs for each season and they must be met by resources internal to the zone, or by Border External Resources. For example, an LSE with Initial PRMR in LRZ 1, must meet that with ZRCs originated in LRZ1 to meet LRZ1's Local Clearing Requirement. ZRCs from other zones can be used to meet the incremental PRMR greater than LCR up to that zone's Initial PRMR subject to CIL/ CEL and SRIC / SREC.

The formula for determining the seasonal LCR is as follows:

$$\text{Seasonal LCR}_{z1} = \text{Seasonal LRR}_{z1} - \text{Seasonal ZIA}_{z1} - \text{controllable exports}_{z1}$$

MISO will publish preliminary seasonal LCR determinations as part of the preliminary PRA data. These values will be updated no later than mid-March with final, updated controllable export values and seasonal ZIAs.

5.3 Pre-PRA arrangement of capacity scheduling

5.3.1 Fixed Resource Adequacy Plan ("FRAP")

The FRAP will identify resources for which an LSE has ownership or contractual rights that will be relied upon to meet the LSE's Planning Reserve Margin Requirement while also conforming to the Local Clearing Requirement ("LCR") in each LRZ where the LSE has a Initial PRMR in each Season within the Planning Year. An LSE must submit its FRAP for applicable Season(s) via the MECT by the 7th business day of March prior to each Planning Year. MISO will review the FRAP and endeavor to notify the LSE of any issues by March 15. LSEs will have until the PRA(s) offer window opens to resolve any issues identified by MISO.

An LSE can designate its seasonal ZRCs in the FRAP up to the LSE's seasonal Initial PRMR. The seasonal ZRCs used in a FRAP will be deducted from the available seasonal ZRC balance of Planning Resources in the MECT. Any portion of an LSE's seasonal Initial PRMR not covered by the FRAP (or met through paying the Capacity Deficiency Charge) will be cleared in the seasonal PRA.

An LSE submitting a FRAP may be subject to a Zonal Deliverability Charge (ZDC). The ZDC is the difference between the seasonal ACP in the LRZ where the LSE has Initial PRMR obligation and the ACP in the LRZ or ERZ where the ZRC associated with the FRAP is physically located multiplied by the volume of the ZRC associated with the FRAP. An LSE can obtain a ZDC Hedge as a hedge against zonal price differences in each Season within the Planning Year.

Seasonal ZRCs and seasonal obligation included in a FRAP will be modeled in the PRA for the applicable Season.

5.3.2 RBDC Opt Out

An LSE may elect to use the RBDC Opt Out for the upcoming and the next two years' PRAs with an obligation (Final PRMR) that is calculated as shown in section 3.1, and with the RBDC Opt Out Adder determined at the first year of RBDC Opt-Out utilizing the following formula:

$$Final\ PRMR_{LSE} = \sum_{LBA}[(CPDf_{LBA} - FRP_{LBA} + FRS_{LBA}) \times (1 + TL_{LBA}\%) \times \left(1 + PRM_{RTO} + Adder_{RBDC\ Opt\ Out}\right)]$$

Where attributes are seasonal for the following:
Final $PRMR_{LRZ}$ = Final Planning Reserve Margin Requirement per LSE
$CPDf_{LBA}$ = Coincident Peak Demand forecast per LBA
FRP_{LBA} = Full Responsibility Purchase per LBA
FRS_{LBA} = Full Responsibility Sale per LBA
$TL_{LBA}\%$ = Transmission Loss Percentage of LBA
PRM_{RTO} = Planning Reserve Margin in Unforced Capacity set by LOLE Studies
$Adder_{RBDC\ Opt\ Out}$= RBDC Opt Out Adder (Defined in Module A 72.0.0)

In MECT, the LSE's choice of RBDC Opt Out is administrated at the granularity of Asset Owners that have load obligations.

5.3.2.1 Establishment of RBDC Opt Out Adder

MISO will use the systemwide and regional RBDCs, and historical market clearing data (e.g., last three Planning Years's market data) to determine the initial RBDC Opt Out Adder that will be applicable to LSEs that elect the RBDC Opt Out starting with Planning Year 2025-2026. MISO will post the determination of the RBDC Opt Out Adder on the MISO website per the timeline defined in Appendix K.

5.3.2.2 Request for RBDC Opt Out and ZRC designation

A Market Participant representing an LSE that plans to use the RBDC Opt Out must submit its initial intent to do so through the MECT. Such request must include the name and contact information of the RERRA(s) (email, phone number), where its load is subject to jurisdiction, and must be submitted no later than January 15 prior to the upcoming Planning Year. Market Participants representing the LSE need to contact MISO if there are complexities regarding the RERRA-LSE relationship (e.g., an LSE is subject to the jurisdiction of multiple RERRAs). MISO will verify the information and notify the RERRA(s) within five (5) business days following deadline of the LSEs initial submission. The RERRA(s) has up to twenty (20) Business Days to notify MISO whether the requested RBDC Opt Out has been authorized, on or before timeline listed in Appendix K.

If the RERRA(s) notifies MISO that the LSE is not authorized to use the RBDC Opt Out in the upcoming PRA, MISO will deny the LSE's initial submission in MECT. If the LSE is subject to the jurisdiction of more than one RERRA, MISO will deny the LSE's initial submission proposing to use the RBDC Opt Out if any one RERRA indicates that the LSE is not authorized to use the RBDC Opt Out. The LSE may withdraw its initial submission even if it receives authorization from RERRA(s). Otherwise, the LSE must submit its final confirmation to use the RBDC Opt Out in the MECT and must demonstrate that the LSE has designated ZRCs for each Season to meet the LSE's Final PRMR, and its share of LCR, by the 7th business day of March prior to each Planning Year. An LSE that elects the RBDC Opt Out may not use any other options to participate in the PRA (e.g., self schedule, FRAP, participating auction) to meet its Final PRMR, but may offer any ZRCs in excess of its Final PRMR into the PRA that is consistent with Section 64.1.1.d of Module D.

MISO will notify the LSE prior to March 15th before the applicable Planning Year whether the ZRCs submitted for the RBDC Opt Out meets the LSE's final PRMR and share of LCR for each LRZ requirement for each Season during the applicable Planning Year. An LSE that does not demonstrate sufficient ZRCs to meet its seasonal Final PRMR and share of LCR on LRZ basis before the PRA offer window opens will be subject to the Capacity Deficiency Charge based on the amount of shortfall in each Season.

An LSE that elects the RBDC Opt Out may be subject to a Zonal Deliverability Charge (ZDC). The ZDC is the difference between the seasonal ACP in the LRZ where the LSE has Final PRMR obligation and the ACP in the LRZ or ERZ where the ZRC associated with RBDC Opt Out is physically located, multiplied by the volume of the ZRC associated with the RBDC Opt Out. An LSE can obtain a ZDC Hedge as a hedge against zonal price differences in each Season within the Planning Year.

Seasonal ZRCs and associated seasonal obligations related to the RBDC Opt Out will be modeled in the PRA for the applicable Season.

5.3.3 LSE's Local Clearing Requirement for LSE's Using a FRAP or RBDC Opt-Out

LSEs that choose to use a FRAP or RBDC Opt Out must designate a sufficient volume of Planning Resources located in the same LRZ to meet the LRZ's LCR requirement in each Season individually. The amount of resources that must be sourced from within the LRZ to satisfy the LSE's seasonal LCR share is equal to the load ratio share of the LSE multiplied by

the total seasonal LCR for its LRZ. The following formula is used to determine each LSE's FRAP or RBDC Opt Out LCR requirements for each Season.

$$LSE\ LCR = \left[\frac{LSE\ PRMR'}{Zonal\ PRMR'}\right] * Zonal\ LCR$$

$$Minimum\ LSE\ \ ZONE\ = \max\left(0, \left[\frac{LSE\ LCR * LSE\ \ NON\ ZONE}{(LSE\ PRMR' - LSE\ LCR)}\right]\right)$$

$$for\ the\ given\ LSE\ \ NON\ ZONE$$

$$Maximum\ LSE\ \ NON\ ZONE\ = \max\left(0, \left[\frac{LSE\ \ ZONE * (LSE\ PRMR'\ -\ LSE\ LCR)}{LSE\ LCR}\right]\right)$$

$$for\ the\ given\ LSE\ \ ZONE$$

Where:

LSE LCR:	Amount of ZRCs that must be supplied from the same LRZ where the LSE's Initial PRMR is located
LSE ZONE:	ZRCs that are in the same LRZ as the Initial PRMR that is being met through a FRAP or RBDC Opt Out by the LSE
LSE NON ZONE:	ZRCs from an ERZ or that are not in the same LRZ as the Initial PRMR that is being met through a FRAP or RBDC Opt Out by the LSE
LSE PRMR':	Total Initial PRMR the LSE has in the LRZ
ZONAL PRMR':	Total Initial PRMR for all LSEs in the LRZ
Zonal LCR:	The minimum amount of ZRCs that are located within an LRZ that is required to meet the LOLE while fully using the Capacity Import Limit for such LRZ.

EXAMPLE :

All LSE Initial PRMR in following example is calculated based on the MISO-established PRM, even if the LSE is subject to the jurisdiction of a state that has established its own PRM

LSE Initial PRMR = 100 MW in LRZ 1
LSE LCR = 80 MW in LRZ 1

To apply ZRCs from other LRZs or an ERZ in the FRAP (or RBDC Opt Out), the following condition must be satisfied when the LSE LCR≤ LSE Initial PRMR:

$$\left[\frac{(LSE\ ZONE + LSE\ NON\ ZONE)}{LSE\ PRMR}\right] \leq \left[\frac{LSE\ ZONE}{LSE\ LCR}\right]$$

When the LSE LCR>LSE Initial PRMR, the LSE should only use ZRCs inside the resource zone to meet its Initial PRMR:

$$LSE\ NON\ ZONE = 0$$

Substituting the value for *LSE LCR* from above, the above formula can be rearranged and rewritten as:

$$\min(1, \left[\frac{Zonal\ LCR}{Zonal\ PRMR}\right]) \leq \left[\frac{LSE\ ZONE}{(LSE\ ZONE + LSE\ NON\ ZONE)}\right]$$

Where *LSE Total* is simply the sum of the FRAP from within and outside of the zone. To state more simply, an LSE must maintain a balance of FRAP (or RBDC Opt Out) in zone to total FRAP (Or RBDC Opt Out) greater than or equal to the ratio of the zone's LCR and Initial PRMR.

Case 1: LSE ZONE = 40MW in LRZ 1
LSE NON ZONE = 10 MW from LRZ 2

$$\left[\frac{(40+10)}{100}\right] \leq \left[\frac{40}{80}\right] \Rightarrow \left[\frac{1}{2}\right] \leq \left[\frac{1}{2}\right] \Rightarrow Pass: 10\ MW\ of\ ZRCs\ from\ other\ LRZ\ is\ allowed\ for\ the\ given\ LSE\ \ NON\ ZONE\ of\ 10\ MW,$$

$$Minimum\ LSE\ \ ZONE\ = \left[\frac{80 * 10}{(100-80)}\right] = 40\ MW$$

NOTE: 40 MW represents the minimum amount of FRAP (or RBDC Opt Out) that must be fulfilled by the ZRCs in LRZ 1 in this case.

Case 2: LSE ZONE = 60 MW
LSE NON ZONE = 20 MW

$$\left[\frac{(60+20)}{100}\right] \leq \left[\frac{60}{80}\right] \Rightarrow \left[\frac{4}{5}\right] \leq \left[\frac{3}{2}\right] \Rightarrow Fail: 20\ MW\ of\ ZRCs\ from\ other\ LRZ\ is\ not\ allowed$$

for given LSE ZONE of 40 MW,

$$Maximum\ LSE\ \ NON\ ZONE\ = \left[\frac{60 * (100 - 80)}{80}\right] = 15\ MW$$

NOTE: 15 MW represents the maximum amount of ZRCs from other zones which can be used to FRAP or RBDC Opt Out LSE's Initial PRMR in LRZ 1 in this case.

5.4 Hedges and Zonal Deliverability Benefit

5.4.1 Zonal Deliverability Benefit

Price separation between Local Resource Zones (LRZs), External Resource Zones (ERZs), or groupings of LRZs, including Sub-Regional Resource Zone (SRRZs) occurs due to constraints binding in the Planning Resource Auction(s) (PRA). Zonal Resource Credits (ZRC) will receive the Auction Clearing Price (ACP) based upon the LRZ or ERZ where the Planning Resource underlying the ZRC is physically located for each Season within the Planning Year.

As a result of price separation, the Transmission Provider may collect more debits from LSEs than it credits the owners of the seasonal ZRCs. Excess amounts will be distributed as follows:

1. Historical Unit Considerations (HUCs) and Zonal Deliverability Charge (ZDC) Hedges owed payment.
2. Any remaining excess revenue shall be distributed on a *pro rata* basis to Deliverability Benefit Zones (DBZs). A DBZ is a group of one or more LRZs with equal ACPs driven by the same auction constraint.

5.4.1.1 Zonal Deliverability Benefit Pro Rata Allocation Methodology

The *pro rata* distribution is applied to each applicable Season and is based upon the LSE's eligible Adjusted Final PRMR. . Adjusted Final PRMR is the Final PRMR minus HUCs and ZDC Hedges.

MPs with Fixed Resource Adequacy Plans or RBDC Opt Out are eligible to receive ZDB.

The *pro rata* methodology to allocate ZDB uses a weighted average approach to calculate the benefit, in dollars, to importing DBZs of all exports within MISO – a weighted average exporting ACP. This weighted average pool of dollars is then allocated to importing DBZs within MISO on a *pro rata* methodology based upon the difference between the importing DBZ ACP and the

weighted average exporting ACP and the MW amount of imports into a DBZ. The ACP for each LRZ within an importing DBZ is adjusted by dividing the benefit dollars allocated to the DBZ by the total PRMR of all LRZs within a specific DBZ. The specific steps to allocate ZDB are described below.

1. Subtract Final PRMR and ZRCs associated with HUCs and ZDB Hedges to derive an adjusted Final PRMR (Adjusted Final PRMR) and ZRC (Adjusted ZRC).
2. Create a DBZ for each group of LRZs that have equal ACPs which result from the same auction constraint.
3. For each DBZ, subtract the sum of Adjusted Final PRMR for each LRZ within the DBZ from the sum of Adjusted ZRCs for each LRZ within the DBZ. A DBZ will be considered a net importing DBZ if the sum of Adjusted Final PRMR is greater than the sum of Adjusted ZRCs. A DBZ will be considered a net exporting DBZ if the sum of the Adjusted Final PRMR is less than the sum of Adjusted ZRCs. A net exporting DBZ shall not receive any ZDB credit. A net importing DBZ shall receive a ZDB credit allocation based upon this weighted average approach.
4. Calculate the weighted average ACP of all net exporting DBZs (Weighted Average Export ACP) to determine a financial value of export capacity within the Transmission Provider region per the formula below:

$$\text{Weighted Average Export ACP} = \frac{\sum(\text{Net Export}_j \times \text{ACP}_j)}{\sum \text{Net Export}_j}$$

Where j = Each net exporting DBZ

5. Calculate the ZDB credit allocation, in dollars, for each net importing DBZ:

$$\text{ZDB Credit}_k = \text{Net Import}_k \times (\text{ACP}_k - \text{Weighted Average Export ACP})$$

Where k = Each net importing DBZs

6. Distribute the ZDB credit in each DBZk by dividing the ZDB credit by the sum of Adjusted Final PRMR of the LRZs within each DBZk. Subtract this amount from the initial ACP calculated for each LRZ from the PRA.

FRAP or RBDC Opt Out Contribution to ZDB

Furthermore, ZDB includes credits collected from FRAPs or RBDC Opt Out that contain ZRCs located in LRZs that have a greater ACP than the respective PRMR's LRZ. This ZDB will be allocated on a *pro rata* basis by Adjusted Final PRMR to all LSEs within the DBZ where the ZRC associated with the FRAP or RBDC Opt Out is physically located.

Allocation of Zonal Deliverability Charge ("ZDC")

A FRAP will be subject to a ZDC if the ACP of the LRZ where the ZRC is physically located is less than the ACP of the LRZ where the Final PRMR associated with the FRAP or RBDC Opt Out is physically located. ZDC collected by the Transmission Provider that is not associated with a ZDC Hedge will be allocated on a *pro rata* basis by Adjusted Final PRMR to all LSEs within the DBZ where the Final PRMR associated with the FRAP or RBDC Opt Out is physically located.

A detailed example of ZDB *pro rata* allocation methodology is in Appendix P.

5.4.2 Historical Unit Considerations (HUCs)

A HUC is a financial hedge against ACP differentials between LRZs or between an LRZ and an ERZ. HUCs for existing capacity agreements hold LSEs harmless from price separation to the extent that excess auction funds are sufficient. HUCs for existing LSEs will be eligible until the end of the original term of the arrangement, not including any evergreen extensions, or for two years – whichever is longer.

The following criteria must be satisfied for HUC approval:

- LSE must have ownership or contractual rights to the resource
- Must have resource and load located in two different LRZs or a resource located in an ERZ
- Must have either NRIS or firm transmission service from the resource LRZ to the load LRZ
- Contracts and its associated NRIS or firm transmission service must be valid through the entire Planning Year
- Contracts must be a) Grandfathered Agreements, b) arrangements executed and in place on or before July 20, 2011, or c) arrangements that predate March 26, 2018 and pertain to External Resource represented in External Resource Zones
- For both new and existing LSEs, HUCs will expire at the end of the contract term, unit ownership change or unit retirement date, whichever is sooner. Contracts expiring during the upcoming Planning Year are not eligible for a HUC covering the planning year. Contracts that have been renewed by evergreen contract provisions are only valid for two Planning Years from the date of the HUC registration

- A HUC must be registered in the MECT by November 1 prior to each Planning Year[2]. HUC Registrations will need to have all information populated except for the Planning Resource, Asset Owner, Resource Zone and TSR and/or NITS identification number(s). Once the SAC MW for Planning Resources is published, MISO will allow Market Participants to update the Planning Resource, Asset Owner, Resource Zone, and TSR and/or NITS ID number information only. Updates will need to be completed by February 1 prior to the Planning Year
- A separate HUC registration is required for each Planning Resource and load within each LRZ or a resource located in an ERZ
    - One Planning Resource in a registration can only select one LRZ or ERZ
- The MW in HUC registrations that are paid will not exceed the LSE's seasonal Final PRMR minus their LCR.
- If there are more HUCs than a DBZ's Final PRMR minus its LCR, then HUC payments will be pro-rated by multiplying the difference between Final PRMR and LCR divided by the total HUCs.
- If Market Participants enter a seasonal ZRC transaction to fulfill contracts that meet the criteria for a hedge, MISO must be able to determine the source of the ZRCs in order to apply the HUC financial hedge to the auction results
    - ZRCs transacted to fulfill existing contracts will need to have specific unit identifiers from aggregate deliverable generators
- Based on the ZRCs transacted, MISO will work with the MP that qualified the HUC to determine in which LRZ or ERZ the Planning Resource is located

If a Load is in an LRZ with a higher ACP than the LRZ or ERZ where the Resource is located, the MP serving the Load will pay an amount equal to the difference of the ACPs between the LRZ and the LRZ or ERZ where the Resource is located, multiplied by the amount of the unhedged load if a HUC Hedge does not exist. This distribution will be limited by the excess auction revenue collected in a given PRA.

A combination of capacity agreements that require the delivery of capacity throughout the Planning Year will qualify for treatment as HUCs, provided that the agreements otherwise satisfy the criteria.

[2]

Facilities under construction on or before July 20, 2011 that subsequently become Planning Resources will be eligible for the HUC Hedge provided that the HUC criteria is satisfied.

Firm resources that meet HUC Hedge criteria may be included as part of a FRAP or RBDC Opt Out or offered into the annual auction. Any MWs of ZRCs in a FRAP or RBDC Opt Out that are qualified under a HUC will not be subject to a Zonal Deliverability Charge assessment and will not receive a HUC payment

5.4.3 Zonal Deliverability Charge Hedge

LSE can obtain a ZDC Hedge as described herein as a financial protection from zonal price differences. Market Participants will be eligible for a hedge against congestion in the auction if the LSE invests in new or upgraded transmission to serve the LSE's load if located in a different LRZ. Network upgrades made for interconnection service (NRIS/ERIS) do not qualify for a ZDC Hedge. Also, any cost shared upgrades would not be eligible for a ZDC Hedge. The participant that funds the upgrades and submits the transmission service request is the participant who is eligible for the ZDC Hedge. However, Network upgrades associated with a Transmission Service Reservation (TSR) from the new resource to load located in a different LRZ would qualify. The volume of a ZDC Hedge will be the incremental increase in the CIL that resulted from the Network Upgrades identified in the approved firm transmission service request. Market Participants must register the ZDC Hedge and provide supporting documentation in the MECT by November 1 prior to the Planning Year to demonstrate eligibility. ZDC Hedges will be granted only to LSEs that have Planning Resources that cleared in a PRA.

5.5 Planning Resource Auction (PRA)

5.5.1 Timing of Auctions

Seasonal Planning Resource Auctions will be conducted in the first 20 business days of April, with results posted near the end of April which is approximately one month before the beginning of the first Season of the associated Planning Year (PY). All four seasonal (Summer, Fall, Winter and Spring) PRA's will be conducted in April prior to the PY.

5.5.2 Amount of Capacity Cleared in Each Auction

The seasonal PRA(s) and Transitional PRA shall clear seasonal ZRC offers in order to satisfy 100% of the seasonal Final PRMR for each LSE, less the amount of seasonal Initial PRMR associated with the Capacity Deficiency Charge and inclusive of any resources used in a seasonal FRAP or RBDC Opt Out, in each LRZ. For a Season, if the total volume of seasonal

ZRC offers is less than total seasonal Final PRMR, MISO will clear the total volume of offered ZRCs for that Season respecting established CIL, CEL, SRIC and SREC.
For LSEs not selecting the RBDC Opt Out, the Final PRMR is established as a result of the PRA clearing using RBDCs. For LSEs selecting the RBDC Opt Out, Final PRMR is the same as Initial PRMR, which is based on the sum of the applicable PRM plus the applicable RBDC Opt Out Adder, as demonstrated in section 3.1. LSEs under state jurisdiction where the state has elected to establish its own planning reserve margin will have a Final PRMR based on the planning reserve margin established by the state.

5.5.3 Conduct of the PRA

The seasonal Planning Resource Auctions shall be sealed bid auctions, which will determine the seasonal Auction Clearing Prices (ACP) for each Local Resource Zone (LRZ) and External Resource Zone (ERZ) modeled in that auction. The auction shall determine the outcome of all seasonal ZRC offers accepted during the qualification process and submitted during the auction offer window.

Step 1: Compilation of Offers
Offers for each of the seasonal auctions must be submitted in the MECT's Submit Offer screen for each specific seasonal auction during the auction offer window period. The offer window for the auction will be opened during the last four business days in the month of March prior to the start of the new Planning Year. Owners of jointly owned facilities can individually offer their share of any such resources into the seasonal PRAs, either as self-schedule price takers or with specific offers or use their share of such resources as part of a seasonal FRAP or RBDC Opt Out.

MISO shall compile all of the offers for each Season, as follows: The MP acting on behalf of any Planning Resource accepted in the qualification process for participation in the auction may submit an offer consisting of price and quantity pairs, indicating the minimum acceptable price and the associated quantity of seasonal ZRCs that the MP would commit to provide from the Resource in the associated modeled LRZ and/or ERZ during the Season within the Planning Year. An offer shall be defined by the submission of up to five price and quantity pairs, each having a strictly greater price than the previous price in the submission. Each price shall be expressed in dollars per megawatt-day, and each quantity shall be expressed in 0.1 MWs. The MW/Price pairs must be monotonically increasing for each price. Each segment of each offer is separately evaluated.

Step 2: Determination of the Outcome

MISO shall use the seasonal ZRC offers to determine the aggregate supply curves for each MISO modeled LRZ and/or ERZ. MISO will use the seasonal offers in conjunction with the seasonal import and export constraints, seasonal local clearing requirements, and other inputs to determine the least cost set of offers that respects the various constraints expressed as described in the Tariff. The Transmission Provider will clear offers based on the needs of the LRZ and not the size of a Resource (i.e., if an LRZ needs 50 MW, but a Market Participant has a 100 MW Resource; only 50 MW will clear). At any non-zero clearing price, a pro-rated clearing from tied bids will be applied in conjunction with need, location of resources subjected to tied bids, and import and export limits of respective LRZs. At a zero-clearing price, all zero-price and price-taking offers will be accepted.

Inadequate Supply

While the auction process will endeavor to select seasonal ZRC offers sufficient to meet the seasonal requirements of each LRZ, it is possible that sufficient resources are not available in the LRZ and the LRZ would thus be short of Planning Resources for that Season within the Planning Year. In such cases, the auction will clear all seasonal ZRC offers in the LRZ for that Season and, if the LRZ is short ZRC's to meet the seasonal requirements, the entire LRZ will clear at the LRZ's seasonal CONE value. If the LRZ is short of ZRC's to meet the requirements for more than one Season within the Planning Year, then the ACP for such Seasons will be determined as described in section 69A.7.1 of Tariff Module E-1.

5.5.4 Market Monitoring

All participation by Market Participants is subject to the market power mitigation rules regarding physical and economic withholding of capacity as described in Module D of MISO's Open Access Transmission Tariff and Market Monitoring BPM-009. All Planning Resources except for External Resources, Load Modifying Resources, and Energy Efficiency Resources are subject to physical and economic withholding monitoring. Below are additional details regarding the application of these market monitoring provisions. In addition to these details, please refer to Module D and BPM-009 Market Monitoring and Mitigation for additional details.

5.5.4.1 Physical Withholding

Sec. 64.1.1.d of Module D describes the Physical Withholding Provisions in the PRA. The IMM has established a Physical Withholding Threshold Limit of 50 MW per LRZ that is applied as a sum to a Market Participant (MP) and its Affiliates. Thus, there is a total of 50 MW of deliverable

SAC (ZRCs) whose rights are owned by an MP and its Affiliates in each LRZ that are not required to submit an offer into the PRA or be part of a FRAP or RBDC Opt Out. If the sum of deliverable SAC MW withheld exceeds the Physical Withholding Threshold Limit, the MP and its Affiliates would fail for conduct (Conduct Test) for physical withholding and be subject to the Impact Test described in Module D.

5.5.4.2 Economic Withholding

Sec. 64.1.2.d of Module D describes the Economic Withholding Provisions in the PRA. By default, each Planning Resource subject to economic withholding has an initial Reference Level for their PRA offer of $0/MW-Day. A Conduct Threshold equal to 10% of the LRZ Daily CONE (Daily CONE = LRZ CONE / 365) is allowed for a PRA offer without failing conduct (Conduct Test) for economic withholding and be subject to the Impact Test described in Module D.

An MP may submit a request for a Facility Specific Reference Level (FSRL) to the IMM. The request must be accompanied by evidence and documentation of Going Forward Costs (operating and capital) to operate the Planning Resource for the next Planning Year. Going Forward Costs must be sufficient detail to specify costs specific to suspension or retirement. Refer to BPM-009 Market Monitoring and Mitigation for additional details.

Market Participants have the option to use Default Technology Specific Avoidable Costs (DTSAC) calculated by the IMM as specified in Module D for operating cost recovery in lieu of submitting their own documentation for operating costs. The DTSAC values in Module D are broken down by different generator classifications for suspension and retirement requests. Refer to BPM-009 Market Monitoring and Mitigation for additional details.

5.5.5 Target Reliability Value

The resultant target reliability value for each Season for each LRZ will be the greater of the system-wide seasonal Planning Reserve Margin Requirement based on MISO's seasonal PRM or the seasonal LCR value. The sum of these seasonal LRZ target reliability values will be the system's target seasonal reliability value, that is, the amount of SAC MW that must be obtained, if available, from the auction.

5.5.6 Resource Offers

Any seasonal ZRCs that were not used in a FRAP or RBDC Opt Out can be offered into the seasonal PRA during the auction window period. The following business rules are applied to the seasonal ZRC offers for the seasonal PRA:

- Offer cannot be changed or withdrawn after the auction window is closed.
- Smallest Offer MW = 0.1 MW.
- Offer Segment defined as a price-quantity pair.
- Up to 5 Offer Segments per Planning Resource.
- Lowest Offer price is $0.00/MW-Day.
- Highest Offer Price for each Season and zones (LRZ and ERZ) is the annual LRZ/ERZ CONE divided by the total number of days in the Season.
- The Transmission Provider will clear offers based on the needs of the LRZ and not the size of a Resource (i.e., LRZ needs 50 MW, but Market Participant has a 100 MW Resource; only 50 MW will clear). At a zero-clearing price, all zero-price and price-taking offers will be accepted.

Self-Scheduling

LSEs that "self-schedule" ZRCs by submitting offers into the PRA(s) with a price of $0.00 will always clear the auction.

Sub-Regional Constraints

The Sub Regional Import Constraint (SRIC) and the Sub Regional Export Constraint (SREC) for each Sub Regional Resource Zone (SRRZ) are the transmission constraint parameters which must be respected, in addition to CILs and CELs for each LRZ, when conducting the PRA or in the Resource Replacement process. A SRRZ consists of more than one LRZ. The North/Central SRRZ consists of LRZs 1-7, and the South SRRZ consists of LRZ 8-10.

The Transmission Provider will establish and publish, on the Transmission Provider's public website, SRRZs, seasonal SRECs and seasonal SRICs as soon as practical but no later than the first business day of March for the following Planning Year.

5.5.7 Seasonal Simultaneous Feasibility Test (SFT)

Background

The test identifies transmission constraints resulting from power transfers between LRZs and imports to the MISO system from ERZs. To the extent transmission constraints cannot otherwise be mitigated via redispatch of seasonal Planning Resources while holding LRZ imports and exports constant, new seasonal CIL and CEL values (as applicable) are established. Resulting transfers in the auction will be simultaneously reliable and feasible. The seasonal SFT is completed after the seasonal auction clears and is driven by section 69A.7.1 of Tariff Module E-1.

Base Model

Base modeling represents the transmission topology and associated transmission ratings, Demand, and anticipated net interchange for the associated Season: summer, fall, winter, and spring. This is accomplished by the following modeling assumptions:

- Base model
  - Latest available MISO model with expected generation and transmission topology for the effective date of each Season within the Planning Year
- Transmission Topology
  - Includes Appendix A and other Model On Demand projects in-service by the effective date of the specific Season within the Planning Year
- Load
  - Final PRMR cleared through seasonal auction
  - LMRs are modeled as reduction of seasonal Final PRMR where LMRs are physically located
- Dispatch
  - Seasonal FRAP
  - Seasonal RBDC Opt Out
  - Seasonal ZRC offers cleared through the auction
- External representation
  - Latest Eastern Interconnection Reliability Assessment Group Multiregional Modeling Working Group series model matching Planning Year timeframe for each Season where applicable within the Planning Year

The latest seasonal models from the annual MISO series model build provides the best representation of the system and is a better representation than the one-year-old LOLE model used to establish the seasonal CIL and CEL limits. The latest model contains up-to-date topology and has gone through more recent stakeholder review.

Interchange Detail

External units that clear the auction are accounted for by Balancing Authority Area and then the interchange between MISO and the Balancing Authority Areas with cleared units is adjusted to represent the cleared amount. Units within MISO with an external capacity commitment will be dispatched to external load. Interchange will be adjusted to reflect the transaction.

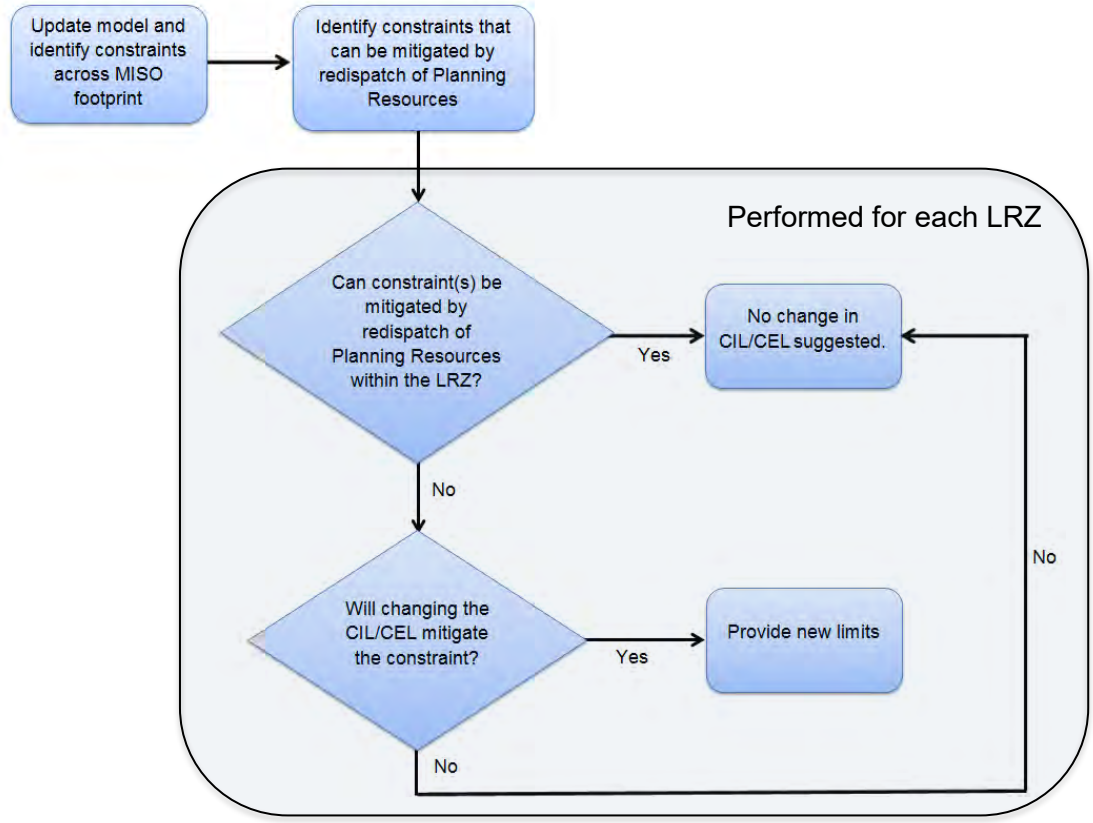
Topology Validation

Model checks are performed prior to the SFTs and PRAs. First, the ratings of facilities found to be limiting in the LOLE study are checked for rating changes. If the facility ratings are updated, the impact on seasonal CEL, CIL and/or ZIA must be determined and included as inputs to the PRAs. Transmission projects included in the LOLE models that were supposed to be in service by the effective date of the model, are validated and updated accordingly if a project's in-service date changes.

Power flow Analysis

The only controllable elements of the auction are the seasonal CIL and CEL. The seasonal SFT determines if any changes to CIL and CEL are required. The initial limits are determined in the annual LOLE study where seasonal CIL and CEL limits are established. These limits are an input to the initial auction clearing process. The SFT process is outlined in Figure 5.5 below.

Figure 5.5: SFT Process Flow



Seasonal CIL and CEL may be modified when the dispatch of Planning Resources within that Season outside the LRZ is the only action to mitigate constraints. To determine if changes are required, it must first be determined if the LRZ is an exporter or importer from the auction results of that Season. If the LRZ is an exporter within the seasonal CEL bounds, no change to limits should cause the LRZ to export more. Similarly, no change to limits should cause an importing LRZ to import more. The changes to limits that are impactful for exporters and importers are outlined as:

- Potential change if Planning Resources outside an LRZ is the only mitigation identified
- Decrease export or import limit if Planning Resources outside LRZ can be ramped up or down respectively to mitigate the constraint
- Decrease limit by MW amount needed to mitigate constraint

The Tariff allows for up to three iterations of the auction clearing process. The first iteration uses the seasonal CIL and CEL values from the LOLE study while the second and third iteration use any updated CIL and CEL values as determined by the seasonal SFT. The second and third iterations are performed only if needed. The clearing iterations are outlined as:

1st Pass

- Inputs to the auction clearing process are seasonal CILs and CELs from LOLE study, seasonal LCR, seasonal SRECs, and seasonal SRICs as applicable
- If all LRZs pass the SFT in that Season, auction results are final and the 2nd and 3rd iteration of auction clearing is not required.

2nd Pass

- Inputs to the auction clearing process are updated. Seasonal CILs and CELs from the 1st Pass and
- If all LRZs pass the SFT, results are final.

3rd Pass

- Inputs to the seasonal auction clearing process are updated. Seasonal CILs and CELs from the 2nd Pass if all zones pass the SFT, results are final. If at least one LRZ does not pass the SFT, the iteration with the fewest MWs of network violations will be deemed as the final auction result.

5.5.8 Auction Results Posting

MISO will post the summary of the Planning Resource Auction results on its website twenty (20) Business Days after the auction offer window is closed. The summary includes the following information for MISO system wide and each LRZ for each Season within the Planning Year: Final PRMR, Total Offer + FRAP+RBDC Opt Out, Offer Cleared + FRAP+RBDC Opt Out, LCR, Import Limit (CIL), Export Limit (CEL), Import/Export amount, ACP, deficient amount, and Total Offer Cleared volume for the system.

One month following the completion of any PRA, MISO will post the ZRC Offers in price/quantity pairs on its website without revealing the names of the Market Participants submitting such offers and the names of the Planning Resources offered.

Resource Adequacy Settlement

Transmission Provider will settle each PRA using the following steps:

1. Determine the ACP for ZRCs within each LRZ for every Season.
2. Determine each LSE's Final PRMR. For details see 5.6.

3. Provide HUC credits equal to the zonal ACP differential to Load subject to HUCs in every Season in the Planning Year.
4. Provide ZDC Hedge credits equal to the zonal Auction Clearing Price differential to ZDC Hedge Load amounts in every Season in the Planning Year.
5. Provide ZDB credits to all remaining Final PRMR in the LRZ. The ZDB is a credit against the ACP paid by LSEs with Final PRMR in each LRZ in every Season in the Planning Year.

Settlement calculations for each Season in the PRA will be conducted on a daily basis and the results will be shown under the Real Time Settlements statement. Please refer to the Market Settlements BPM for further details. Below are charge types under the PRA(s) Settlement:

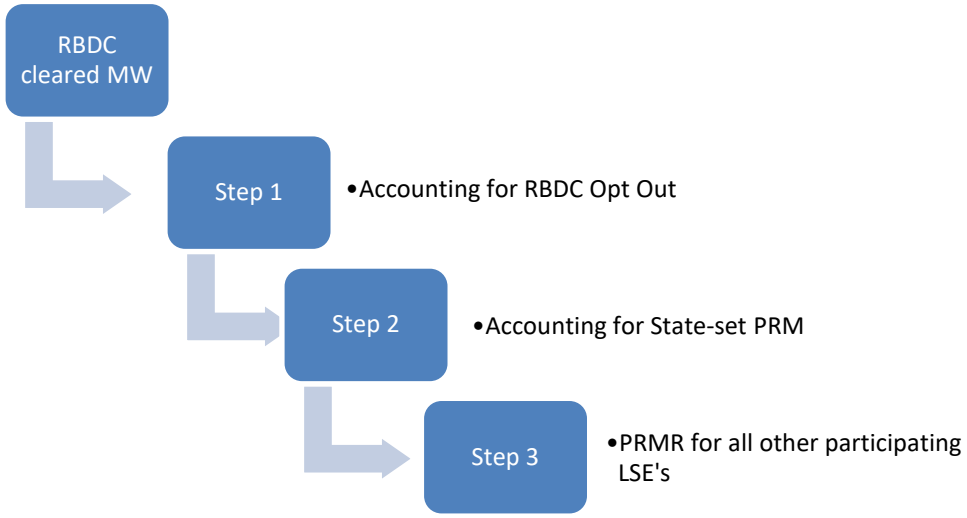
- PRA Charge
- Distribution of PRA Charge
- Zonal Deliverability Charge (ZDC) (*Only applies to the FRAP or RBDC Opt Out)
- Distribution of ZDC
- Capacity Deficiency Charge (Covered outside of the daily settlements)

Cleared seasonal ZRCs from Diversity Contracts that are not self-scheduled or in the LSE's seasonal FRAP or RBDC Opt Out will receive reduced payment based on the total number of days the external resource identified in the Diversity Contract are dedicated to MISO load when an LSE clears more seasonal ZRC in the PRA than its seasonal Final PRMR. The LSEs that converted SAC MW to seasonal ZRCs will receive the seasonal auction clearing price for the entire Season for those seasonal ZRCs that cleared in the seasonal PRA.

5.6 Final PRMR Allocation Process

The Final PRMR of an LSE is determined based on RBDC clearing and the LSE's participation option (such as RBDC Opt Out, market participation, etc.) in the PRA. The RBDC cleared MWs determined during the PRA clearing process will be allocated to determine LSE's Final PRMR using the steps outlined below (Figure 5.6).

Figure 5.6: Overview of Final PRMR allocation process



Step 1: Accounting for RBDC Opt Out

First, determine cumulative MWs corresponding to PRMR obligation of LSEs choosing the RBDC Opt Out option as per Section 5.3.2. Then, deduct this cumulative MWs from the total cleared MW from the PRA clearing. Remaining cleared MWs, if any, are then passed on to step 2.

Step 2: Accounting for State-set PRM

Then, the Final PRMR for LSEs who are under State jurisdiction with the State defined PRM is determined. For such LSEs, their Final PRMR is calculated based on the PRM defined by the respective State. Then, the sum of Final PRMR of LSEs who are under State jurisdiction with the State defined PRM is deducted from the remaining cleared MWs that were calculated in step 1. At the end of step 2, remaining cleared MWs, if any, are determined and then passed on to step 3.

Step3: Determine Final PRMR for other LSEs (Neither RBDC Opt Out nor under State-set PRM)

If the remaining cleared MWs after step 2 of the Final PRMR allocation process are greater than zero, then step 3 of the Final PRMR allocation process will be executed. In this step, remaining cleared MWs, determined in step 2 of the Final PRMR allocation process, will be distributed across remaining LSE's not covered under step 1 or step 2 on a pro-rata basis with respect to their Coincident Peak Load Forecast including transmission losses.

For LSEs participating using FRAP provisions, the quantity that is covered through FRAP provisions will be considered after step 3 of the Final PRMR allocation process. Any additional ZRCs that such LSEs need to procure from the market to meet their share of Final PRMR, will be charged the applicable ACP.

Example 1: RBDC Out Out, No State setting PRM, & Final PRMR higher than Initial PRMR

Consider a system with three LSEs (LSE A, LSE B, and LSE C) and a system peak demand of 100 MW (accounting for the CPD forecast plus transmission losses).

PRA Participation:

- LSE A has a 15MW load and participates in the PRA using RBDC Opt Out provisions.
- LSE B has 50 MW load, and
- LSE C has 35 MW load.

Assumptions:

- No State has defined PRM for its jurisdictional entities
- MISO defined PRM to be 9%
- RBDC Opt Out Adder to be 4%
- Systemwide RBDC clearing in the PRA to be 112 MW (indicating RBDC clearing at 12% above load forecast)
- No SRIC/SREC binding

Final PRMR allocation calculation:

Step 1: Accounting for RBDC Opt Out

In this example, LSE A has 15 MW of load participating in the PRA using RBDC Opt Out provisions. Given a PRM of 9% and an RBDC Opt-Out Adder of 4%, the final PRMR for LSE A will be **16.95 MW**, calculated as 15 * (1 + 9% + 4%). After this allocation, 95.05 MW of cleared RBDC capacity will remain (112 MW - 16.95 MW) for further distribution in the following steps.

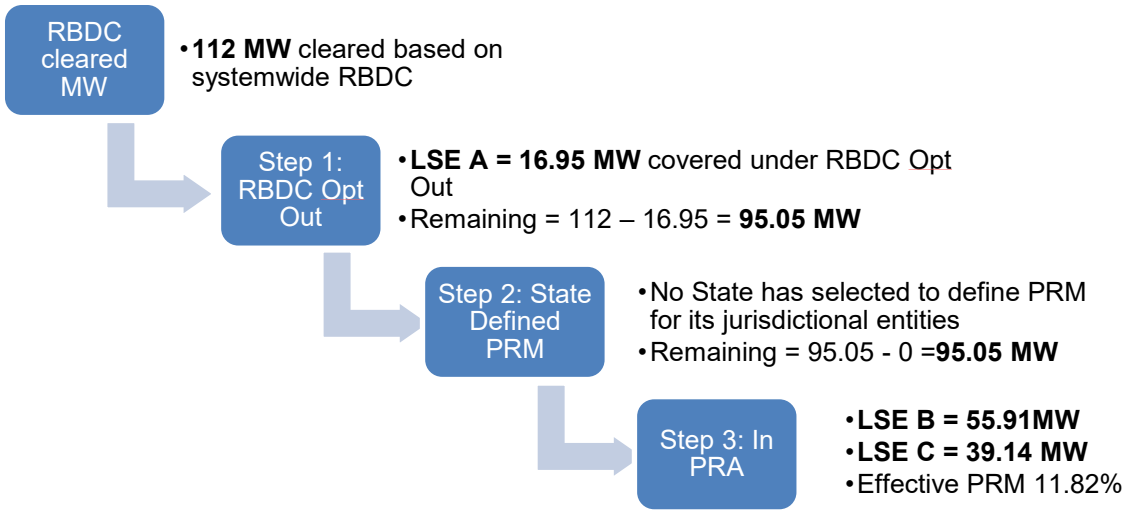
Step 2: Accounting for State-set PRM

In this example, there is no load subjected to State defined PRM. Hence, no Final PRMR is allocated in this step and 95.05 MW of cleared RBDC capacity will still remain (112 MW - 16.95 MW) for further distribution in the following step.

Step 3: Determine Final PRMR for other LSEs (Neither RBDC Opt Out nor under State-set PRM)

In step 3, remaining RBDC cleared 95.05 MW, determined after step 2 of the Final PRMR allocation process, will be distributed across remaining load which is not covered under step 1 or step 2 on a pro-rata basis. In this example, the remaining load after step 1 and step 2 is 85 MW. Hence, the Final PRMR for LSE B will be **55.91 MW**, calculated as 50 * (95.05/85), and the Final PRMR for LSE C will be **39.14 MW**, calculated as 35 * (95.05/85). The effective PRM for load participating in the PRA outside of RBDC Opt Out and State defined PRM is 11.82%.

The example is graphically summarized ahead.



Example 2: RBDC Opt Out, State setting PRM, & Final PRMR higher than Initial PRMR

Consider a system with three LSEs (LSE A, LSE B, and LSE C) and a system peak demand of 100 MW (accounting for the CPD forecast plus transmission losses).

PRA Participation:

- LSE A has a 15 MW load and participates in the PRA using RBDC Opt Out provisions
- LSE B has 50 MW load and subjected to State defined PRM of 10%
- LSE C has 35 MW load

Assumptions:

- MISO defined PRM to be 9%
- RBDC Opt Out Adder to be 4%

- Systemwide RBDC clearing in the PRA to be 112 MW (indicating RBDC clearing at 12% above load forecast)
- No SRIC/SREC binding

Final PRMR allocation:

Step 1: Accounting for RBDC Opt Out

In this example, LSE A has 15 MW of load participating in the PRA using RBDC Opt Out provisions. Given a PRM of 9% and an RBDC Opt-Out Adder of 4%, the final PRMR for LSE A will be **16.95 MW**, calculated as 15 * (1 + 9% + 4%). After this allocation, 95.05 MW of cleared RBDC capacity will remain (112 MW - 16.95 MW) for further distribution in the following steps.

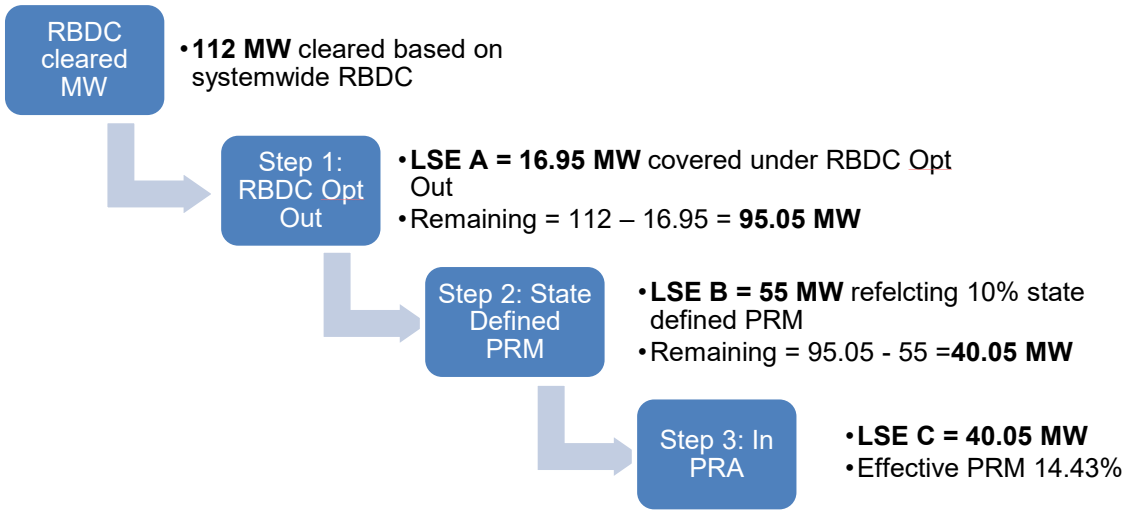
Step 2: Accounting for State-set PRM

In this example, LSE B's load is subjected to State defined PRM of 10%. Hence, the Final PRMR for LSE B is **55 MW**, calculated as 50*(1 + 10%). After this allocation, 40.05 MW of cleared RBDC capacity will remain (95.05 MW – 55 MW) for further distribution in the following step.

Step 3: Determine Final PRMR for other LSEs (Neither RBDC Opt Out nor under State-set PRM)

In step 3, the remaining RBDC cleared 40.05 MW, determined after step 2, will be distributed across remaining load which is not covered under step 1 or step 2 on a pro-rata basis. In this example, the remaining load after step 1 and step 2 is 35 MW. Hence, the Final PRMR for LSE C will be **40.05 MW**, calculated as 35 * (40.05/35). The effective PRM for load participating in the PRA outside of RBDC Opt Out and State defined PRM is 14.43%.

The example is graphically summarized ahead.



Example 3: RBDC Opt Out, State setting PRM, & Final PRMR lower than Initial PRMR

Consider a system with three LSEs (LSE A, LSE B, and LSE C) and a system peak demand of 100 MW (accounting for the CPD forecast plus transmission losses).

PRA Participation:

- LSE A has a 15 MW load and participates in the PRA using RBDC Opt Out provisions.
- LSE B has 50 MW load and subjected to State defined PRM of 10%.
- LSE C has 35 MW load.

Assumptions:

- MISO defined PRM to be 9%
- RBDC Opt Out Adder to be 4%
- Systemwide RBDC clearing in the PRA to be 108 MW (indicating RBDC clearing at 8% above load forecast, lower than PRM)
- No SRIC/SREC binding

Final PRMR allocation:

Step 1: Accounting for RBDC Opt Out

In this example, LSE A has 15 MW of load participating in the PRA using RBDC Opt Out provisions. Given a PRM of 9% and an RBDC Opt-Out Adder of 4%, the final PRMR for LSE A will be **16.95 MW**, calculated as 15 * (1 + 9% + 4%). After this allocation, 91.05 MW of cleared RBDC capacity will remain (108 MW - 16.95 MW) for further distribution in the following steps.

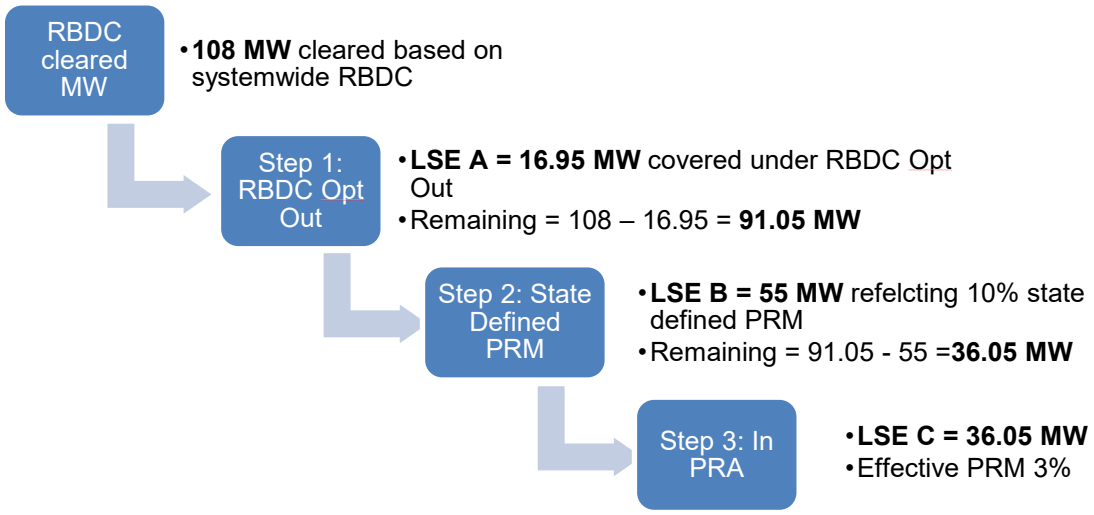
Step 2: Accounting for State-set PRM

In this example, LSE B's load is subjected to State defined PRM of 10%. Hence, the Final PRMR for LSE B is **55 MW**, calculated as 50*(1 + 10%). After this allocation, 36.05 MW of cleared RBDC capacity will remain (91.05 MW – 55 MW) for further distribution in the following step.

Step 3: Determine Final PRMR for other LSEs (Neither RBDC Opt Out nor under State-set PRM)

In step 3, the remaining RBDC cleared 36.05 MW, determined after step 2 of the Final PRMR allocation process, will be distributed across remaining load which is not covered under step 1 or step 2 on a pro-rata basis. In this example, the remaining load after step 1 and step 2 is 35 MW. Hence, the Final PRMR for LSE C will be **36.05 MW**, calculated as 35 * (36.05/35). The effective PRM for load participating in the PRA outside of RBDC Opt Out and State defined PRM is 3%.

The example is graphically summarized ahead.



5.7 Retail and Wholesale Load

Retail and Wholesale Load switching between LSEs can be tracked through the MECT after the start of the in each Season within the new Planning Year. As a result of load switching, the seasonal Final PRMR of the LSEs involved in the load switching will change. Switching of seasonal Retail load will not change an Electric Distribution Company's (EDC) total area

seasonal Final PRMR. Similarly, wholesale seasonal load transaction will not change the total MISO seasonal Final PRMR.

5.7.1 Retail Load Switching

By January 15 11:59 p.m. EST prior to the start of the new Planning Year, retail supplier LSEs will confirm their share (e.g. PLC) of the EDC's area seasonal Initial PRMR. After the Planning Year starts, the Retail LSE's seasonal Final PRMR will change during each Season within the Planning Year when the load from one LSE is switched to another LSE within the EDC area.

Market Participants with Demand in areas subject to retail choice are required to provide the name of the EDC and the CPNode names associated with the LSEs within the EDC area at the time of registration. The CPNode to EDC mapping information is important for determining LSEs' retail load switching method.

EDCs are responsible for updating the seasonal Final PRMR associated with each retail choice LSE in the MECT. The Retail Load screen in the MECT is provided for EDCs in Retail Choice states to track the Retail LSE's day-to-day migration of loads at the Asset Owner (AO) level.

Using the daily retail load switching information in the MECT, MISO Settlements calculates each retail choice LSE's new seasonal Final PRMR. The LSEs' PRMR are subject to resettlement calculations based on the resubmission of load switching information.

The daily retail load switching information includes:

- Name of the EDC
- Name of the LBA
- Operating Date of Retail load switching
- Season (Summer, Fall, Winter or Spring)
- Name of AO(s)
- AO's new Retail MW (with granularity of tenth of a MW)

5.7.2 Wholesale (Non-Retail) Load Switching

A Wholesale Load obligation can be switched from one LSE to another using the Wholesale Load Switching screen in the MECT during each Season of the Planning Year. When Wholesale Load switching occurs, the daily capacity charges of the Wholesale Load will be transferred from the current LSE to the new LSE. The seasonal Final PRMR for affected LSEs will be

decreased or increased, as appropriate, by the amount of the wholesale load plus the seasonal PRM. Procedures for billing, settlement, and credit requirements will be as specified in the appropriate BPMs. LSEs with wholesale contracts that change during the Season within the Planning Year may enter a Wholesale Load switching contract representing seasonal Final PRMR in the MECT.

For the case of Wholesale Load switching, the amount of the seasonal Final PRMR transferred via the wholesale load transaction process will transfer the Final PRMR of the current LSE to the new LSE starting with the effective date specified in the wholesale transaction for the applicable Season. The transaction must be confirmed in the MECT by both parties before the start of the effective date.

5.7.3 Peak Load Contribution (PLC)

The EDC calculates each retail LSE's load ratio share of the retail LSEs peak Demand of the EDC's peak Demand at the MISO seasonal Coincident Peak Load prior to the Planning Year. The aggregate PLCs will be set equal to the seasonal Initial PRMR of the EDC. Specific methods used by the EDC to calculate each Retail LSE's PLC must be provided to both MISO and LSEs no later than December 15 prior to the upcoming Planning Year. LSEs will have until January 15 prior to the upcoming Planning Year to verify the seasonal EDC provided data in the MECT.

5.7.4 Settlements of Wholesale and Retail Switching

All confirmed load switching information submitted by the Settlements deadline (per the Market Settlements BPM) will be transferred to Market Settlements for settlement calculation purposes.

An LSE's seasonal Final PRMR will change based on the information submitted in the MECT for both Wholesale and Retail Load Switching.

MISO will calculate the new charges and credits by applying the seasonal Auction Clearing Price ("ACP") for the applicable LRZ to the new daily seasonal Final PRMR for each AO.

At the end of each weekly billing cycle, MISO will sum up the daily charges for each LSE for the weekly invoicing. The Market Settlements BPM provides more information regarding this process. An LSE's seasonal Final PRMR will change if Retail Load switching information in the

MECT or daily load data for Settlements is resubmitted per the Settlement's rerun process (i.e., S55, S105). Please see Market Settlements BPM for the Market Settlements Timeline.

5.8 Capacity Deficiency Charge

LSEs are allowed to opt out all or a portion of their seasonal Initial PRMR from participating in the auction by paying the Capacity Deficiency Charge. This is achieved by making a voluntary entry into the "Capacity Deficient Amount (MW)" field of the MECT equal to the MW amount of seasonal Initial PRMR opting out of the seasonal auction before the auction window opens. The Capacity Deficiency Charge for an LSE is the MW amount in the "Capacity Deficient Amount (MW)" field multiplied by 2.748 times the seasonal Cost of New Entry ("CONE") which is calculated by Annual CONE/365 multiplied by the days in the Season for the LRZ where the LSE's seasonal Initial PRMR is located.

LSEs that choose the RBDC Opt Out must demonstrate sufficient ZRCs to meet their seasonal Final PRMR (equal to the Initial PRMR) before the PRA auction window opens. Otherwise, the shortfall is subject to the Capacity Deficiency Charge by multiplying 2.748 times the seasonal CONE price.

Capacity Deficiency Charge revenues received by the Transmission Provider will be distributed on a *pro rata* basis based upon the cleared MW of seasonal Final PRMR to other LSEs in the Transmission Provider's footprint who did not opt to pay the Capacity Deficiency Charge. If the LRZ where the LSE opted to pay the Capacity Deficiency Charge failed to meet its seasonal LCR, then seasonal Capacity Deficiency Charge revenues will be allocated solely to LSEs within that LRZ that did not opt out of the seasonal auction by paying the seasonal Capacity Deficiency Charge. MISO will assess the seasonal Capacity Deficiency Charge on the first business day after the results of the seasonal PRA have been published.

6 Performance Requirements

6.1 Must Offer Requirement

The must offer requirement applies to any Market Participant who converts the SAC of a Capacity Resource to seasonal ZRCs, and those ZRCs are used in a seasonal FRAP or RBDC Opt Out or clear in a seasonal auction within the Planning Year. The must offer volume is the effective ICAP times the % of the total seasonal ZRCs a resource clears (for example, a unit eligible for 10 ZRCs that clears 5 will have a must offer of 50% of its ICAP), except for

Intermittent Resources. The effective ICAP equals the lesser of GVTC or Interconnection Service (NRIS+ERIS) for each Season (e.g. effective ICAP = Min(GVTC, IS)). The must offer obligation for Intermittent Resources is based on the cleared seasonal ZRCs, or ZRCs used in a FRAP or RBDC Opt Out, divided by the seasonal Resource credit (e.g. wind capacity credit for a wind resource) as described in Section 4.2.1.5 – Wind and Solar Capacity Credit. Additionally, no must offer requirement will exceed the resource's firm level of transmission service. LMRs do not have a must offer requirement, their obligations are covered in section 4.2.5 - Load Modifying Resource Obligations and Penalties.

6.1.1 Generation Resource but not Dispatchable Intermittent Resource or Intermittent Generation

MPs that own a Capacity Resource with ZRCs that clear in the PRA or are identified in a Fixed Resource Adequacy Plan (FRAP) or RBDC Opt Out must offer the ICAP equivalent of the cleared and FRAP or RBDC Opt Out ZRCs into the Day-Ahead Energy Market and the first post Day-Ahead Reliability Assessment Commitment (RAC) for every hour of every day, except to the extent that the Capacity Resource is unable to provide Energy, Contingency Reserve, or Short-Term Reserve due to a forced or planned outage or other physical operating restrictions consistent with MISO's Tariff. Outages and derates must be reported in the MISO Outage Scheduler (CROW).

Compliance with "must offer" requirements will be evaluated by MISO on a non-discriminatory basis. MISO will analyze compliance with "must offer" requirements in both the Day-Ahead and RAC by considering information provided by the MISO Outage Scheduler (CROW) and operational limitations, including, but not limited to, those related to fuel limited, Energy output limited or Intermittent Generation and Dispatchable Intermittent Resources.

6.1.2 Dispatchable Intermittent Resource and Intermittent Generation

An MP that owns a Capacity Resource that has ZRCs identified as part of a Fixed Resource Adequacy Plan (FRAP) or RBDC Opt Out or ZRCs which clear in a PRA must submit the ICAP equivalent MW value of the cleared ZRCs into the Day-Ahead Energy Market, and each pre Day-Ahead and the first post Day-Ahead Reliability Assessment Commitment (RAC) for every hour of every day, except to the extent that the Intermittent Resource is unable to provide Energy, Contingency Reserve, or Short-Term Reserve due to a forced or planned outage or other physical operating restrictions consistent with MISO's Tariff.

The must offer requirement applies to the effective ICAP of the Intermittent Generation and Dispatchable Intermittent Resources, and not to the SAC amount. The must offer obligation for Intermittent Resources is replaced with the forecast in the DA market based on the weather forecast and performance of the Intermittent Resources.

For wind resources, the ICAP-equivalent must offer obligation is cleared ZRCs and/or ZRCs used in a Fixed Resource Adequacy Plan divided by the wind capacity credit. For non-wind Intermittent Generation and Dispatchable Intermittent Resources, the XEFORd will be set equal to the SAC divided by the ICAP, where the ICAP shall be the maximum value registered in the Commercial Model. For non-wind Intermittent Resources not modeled in the Commercial Model, the ICAP will be the nameplate capacity value as provided by the MP.

DA Reliability Forecast submissions for Intermittent Generation and Dispatchable Intermittent Resources received by the close of both the DA and Forward Reliability Assessment Commitment (FRAC) market offer periods will be used to monitor compliance with the must offer requirement when the unit's availability is affected by non-mechanical and/or non-maintenance reasons. The must offer monitoring process for Intermittent Generation and Dispatchable Intermittent Resources that submit a DA Reliability Forecast by DA Market close and FRAC close will check that the offers submitted are greater than or equal to the volumes submitted via the DA Reliability Forecast. The same Intermittent Forecast data file used in Day-Ahead Must Offer compliance shall be utilized in FRAC if no further update is provided. If a DA Reliability Forecast is submitted on time and in the correct format, it replaces the cleared Installed Capacity as the mustoffer requirement. Intermittent Resource Generation cannot submit a DA Reliability Forecast if being registered as a Use Limited Resource.

When submitting data to the Intermittent Resource Forecast Update tool, a header row should be included at the beginning of the file in this format; Resource, Day, Hour Ending (HE), and MW. The must offer monitoring process for Intermittent Generation and Dispatchable Intermittent Resources that do not to provide the DA Reliability Forecast by the DA Market close and the FRAC close, will be based on offers submitted and outages or derates submitted in MISO's Outage Scheduler (CROW). The must offer process will be based on the daily and hourly offers submitted by the Asset Owner. Additionally, maintenance and mechanical outages to Intermittent Forecasts will be based on the forecasts only. The thresholds established in Section 6.1 will not be used for Intermittent Generation and Dispatchable Intermittent Resources that provide the DA Reliability Forecast.

6.1.3 Use Limited Resource

An MP that commits a Capacity Resource that has ZRCs which clear in a Planning Resource Auction (PRA) or are used in a Fixed Resource Adequacy Plan must submit the ICAP value of ZRCs which either clear the PRA or is used in a Fixed Resource Adequacy Plan in the Day-Ahead Energy Market, each pre Day-Ahead, and the first post Day-Ahead Reliability Assessment Commitment (RAC) for every hour of every day, except to the extent that the Generation Resource is unable to provide Energy, Contingency Reserve, or Short-Term Reserve due to a forced or planned outage or other physical operating restrictions consistent with MISO's Tariff.

A Use Limited Resource is required to submit into the Day-Ahead Market to satisfy the must offer requirement of at least four (4) continuous hours daily across MISO's forecasted daily peak (including weekends). The must offer period of four (4) hours includes the two (2) hourly intervals prior to the forecasted peak hour, the peak hourly interval, and one (1) hourly interval after the forecasted peak load. This approach enables MISO to have an opportunity to schedule the Resource for the period in which the Use Limited Resource will not be recharging or replacing depleted resources. MISO's peak period will be based on the forecast published one day prior to the operating day in the Market Report section of the MISO website: https://www.misoenergy.org/markets-and-operations/real-time--market-data/market-reports >Select "Summary" under Navigator to find the latest reports.
All outages and derates for Use Limited Resources need to be reflected in MISO's Outage Scheduler (CROW) or SDX. Thresholds for Use Limited Resources will only be applied during the four continuous hours across MISO's peak. MISO will not call upon a Use Limited Resource during its recharge hours, except in the case of an Emergency.

6.1.4 External Resources

The maximum must offer requirement applies to the registered capacity of the External Resource.

An MP that owns a Capacity Resource that has ZRCs which are identified in a Fixed Resource Adequacy Plan (FRAP) or RBDC Opt Out or clear in a PRA must submit the ICAP-equivalent value of FRAP or RBDC Opt Out or cleared ZRCs as Energy offers into the Day-Ahead Energy Market for every hour of every day, except to the extent that the Generation Resource is

unavailable due to a full or partial forced scheduled outage or the offers are from a Use Limited Resource. The must offer requirement will be capped at the resource's ICAP value.

Offers in the Day-Ahead Energy Market can only be Normal Energy type, with the transaction type of either fixed or dynamic. Dispatchable and market type of Day-Ahead cleared schedules are accounted for in the first post Energy and Operating Reserve Market. In addition, the Normal Energy type with the transaction type of either Fixed or Dispatchable offers with market type of Real-Time Energy and Operating Reserve Market only will also be considered in Day-Ahead Forward Reliability Assessment Commitment (FRAC).

Therefore, the must offer requirement for External Resources in FRAC is met by being available for declared capacity emergencies via MISO Market Capacity Emergency SO-P-EOP-00-002.

The MP that has either identified ZRCs from a FRAP or RBDC Opt Out or cleared ZRCs in a Planning Resource Auction (PRA) from an External Resource shall ensure the resource operator is reporting its outages and derates with their respective reliability coordinator. External Resources must be available to schedule Energy into MISO during Emergencies if needed by MISO. MISO Market Capacity Emergency SO-P-EOP-00-002 includes a mechanism to schedule all External Resources into MISO's Balancing Authority Area. BPM 007 Physical Scheduling Systems Section 15 explains how External Resources should be identified as Capacity Resources. External Resources should select "YES" in the Miscellaneous (MISC) field of the E-tag and the Token field must contain "MISOCR" in all capital letters with no spaces. In the Value field, the MP should list the Capacity Resource name that matches the Module E External Resource registration name in the MECT.

External Resources that are Use Limited Resources must follow the Day-Ahead must offer requirements for Use Limited Resources as documented in Section 4.2.2.1 of this BPM.

Compliance with must offer requirements will be evaluated by MISO on a non-discriminatory basis. MISO will analyze the compliance with must offers in both the Day-Ahead and RAC by considering information provided by MISO's CROW Outage Scheduler, and operational limitations, including, but not limited to, those related to fuel limited, Energy output limited, or Intermittent Generation.

6.1.5 DRR T*ype I and Type II*

The same must offer requirement described in Sec. 6.1 applies to the Installed Capacity of DRR Type I and Type II, (and not the SAC rating) used to meet Resource Adequacy Requirements. Installed Capacity refers to the amount of ZRCs cleared in an PRA and/or used in a Fixed Resource Adequacy Plan divided by (1 – XEFORd) of the Capacity Resource.

6.2 Must Offer Monitoring

MISO will monitor whether the offers submitted by the Asset Owner of each Capacity Resource in the Day-Ahead Energy and Operating Reserve Market, and first post Day-Ahead RAC process meets the seasonal must offer requirements. The must-offer requirements are in terms of Installed Capacity (ICAP) of the resource, where ICAP is the minimum of GVTC and Total Interconnection Service.

The offers should be greater than or equal to the seasonal must offer requirement minus approved outages or derates minus the applicable threshold as detailed in this section, but not to exceed the firm level of established Transmission Service. This excludes Capacity Resources that submit Intermittent Forecasts that have been accepted by MISO including DIR- registered Hybrid Resources.

[Firm Service] > [Offer] ≥ [Offer requirement] – [Outage or Derate] – [tolerance threshold]

If the offer amount is greater than or equal to the must offer requirement minus the approved outage or derate in CROW minus the appropriate threshold, then the MP will have passed the must offer monitoring check. Otherwise, the MP will not pass the must offer monitoring check. MISO will notify MPs through a report published on the market portal of their must offer status.

Outages & Derates

If the Offers for Day-Ahead and first post Day-Ahead RAC are less than the must offer requirement, then MISO will compare the difference to approved outages or derates in MISO's Outage Scheduler (CROW) for such resources. Approved outages, approved derates, and offers will be captured based on the information provided at both the Day-Ahead Energy Market close and first post Day-Ahead RAC close. DA Market close and first post Day-Ahead RAC close times are addressed in the Energy and Operating Reserve Markets BPM.

Tolerance Threshold

MISO will apply a tolerance threshold to all resources based on the must offer requirement listed in the MECT for the applicable Season. The thresholds were developed to recognize that data entry errors could occur when providing derate volumes through MISO's Outage Scheduler (CROW). Importantly, this does not relieve the MP of the obligation to meet the overall seasonal must offer requirement. The tolerance threshold volume will be applied at the CPNode level except for those resources noted otherwise in this BPM. The thresholds are as follows:

- The lesser of 10 MW or 10% for Capacity Resources greater than or equal to 50 MW
- The greater of 1 MW or 10% for Capacity Resources less than 50 MW

Market Participant Review

If a Market Participant believes there is a discrepancy in their must offer report, the Market Participant can notify MISO via the MISO Help Center of the discrepancy and submit supporting documentation. Outage information should include all revisions from the outage submission to the completion of the outage.

MISO will review the information submitted and notify the Market Participant within seven (7) Business Days via email of the outcome of the review.

IMM Access

The IMM also has access to the reports published on the market portal and may contact Market Participants directly on any compliance issues.

6.3 Annual Calculation of CONE

MISO will work with the Independent Market Monitor (IMM) to recalculate the CONE value for each LRZ annually by September 1 of each year for the following Planning Year. The CONE value for each individual LRZ will be the same in every Season (Summer, Fall, Winter and Spring).

In calculating CONE values, the IMM and MISO will consider the following factors:

- Physical factors: type of resource, location, costs for fuel
- Financial factors: debt/equity ratio, cost of capital, ROE, taxes, interest, insurance
- Other factors: permitting, environmental, Operating and Maintenance costs, etc.

MISO and the IMM will not consider anticipated net revenues from the sale of capacity, Energy, or Ancillary Services as factors in the annual recalculation of the CONE.

Once the IMM and MISO have calculated the CONE for each LRZ, MISO will make a filing with the Commission under Section 205 of the Federal Power Act seeking approval from the Commission for the re-calculated CONE. CONE values approved by FERC are posted on the MISO website.

Net CONE will be determined as per the section 69A.8 of Tariff Module E-1.

6.4 Replacement Resources

6.4.1 Maximum Outage & Derate Threshold (Greater than 31 day rule)

If a Planning Resource for which a Market Participant converts Seasonal Accredited Capacity into ZRCs is unable to meet the applicable performance requirements for the cleared ZRCs as described in Section 69A.5 for greater than thirty-one (31) Days in total due to full or partial Generator Planned Outage during the Season of the Planning Year in which the ZRCs cleared, or for Planning Resources that are subject to Diversity Contracts or Power Purchase Agreements for greater than one (1) Month during any Season of the Planning Year in which the ZRCs cleared, such Market Participant must replace the cleared ZRCs with uncleared ZRCs or new resources per Section 6.4.5 (On Ramping New Resources Mid-Planning Year for ZRC Replacement) to transfer the performance requirements applicable to the planning Resource or pay the Capacity Replacement Non-Compliance Charge (Tariff Module E-1 Section 69A.3.1.h). The CRNCC charge will be calculated after the completion of the season in the timeliest manner by MISO and the IMM.

The Must Offer Monitoring threshold described in section 6.2 (Must Offer Monitoring) will not apply when evaluating charges and ZRC replacement regarding the 31-day outage rule. The performance obligation is in terms of effective ICAP and thus the amount of ZRCs needed to be replaced will back calculate to ZRC values.

For example, a wind resource that has a 100 MW ICAP and 20 MW SAC and clears 20 ZRCs in the market will have a must offer requirement of 100 MW. The forecasts submitted to the DA market will overwrite the 100 MW requirement based on projected wind performance on an hourly basis. If the wind resource undergoes planned maintenance or repowering and planned

derates the facility to 80 MW ICAP for an entire Season, they will need to replace ZRCs when outages in a Season exceed 31 days since derate ICAP (must offer requirement – derates of facility 100-80=20MW) is greater than zero, and the amount of ZRCs to be replaced will be in SAC/ZRC terms. The original ICAP is 100 MW which resulted in 20 MW SAC, the resource is on a derate of 20 MW down to 80 MW, thus resulting in only 4 ZRCs needing replacement. 20 MW SAC / 100 MW ICAP = 20%, 20MW derate ICAP *20% = 4ZRCs. To complete the example, 80 MW ICAP*20% = 16 MW SAC. The cleared SAC obligation is 20 ZRCs, and the derate results in 16 ZRCs, therefore 4 ZRCs must be replaced, or charges assessed for any days over 31 in that Season.

$$\frac{20\ ZRC}{100\ ICAP} = 20\%\ Original; 20MW\ ICAP\ derate * 20\% = 4\ ZRC$$

Similarly, for conventional resources the conversion process is the same. For example, a 100 MW ICAP thermal resource has 50 MW SAC, if they clear all 50 ZRCs in the auction for that Season the must offer obligation is still 100 MW. If the resource is derated to 80 MW, the ZRCs needing to be replaced will be: 80 MW *50% = 40 MW, with a 50 MW SAC obligation, so 10 ZRCs would need to be replaced or charges assessed when the outage exceeds 31 days within that Season.

For resources that are completely offline due to planned or reasonably known outages for greater than 31 days, the penalty would be assessed on the cleared ZRCs of that resource, regardless of resource type. The CRNCC would be charged to the asset owner who converted SAC to ZRCs.

6.4.2 Attachment Y Retirement or Suspend Status

A Planning Resource used to meet seasonal RAR must be replaced by the registering Market Participant prior to the effective date of a status change to ‘retired’ or ‘suspend’ via an Attachment Y filing.

6.4.3 Transfer of Resource Adequacy Requirement and Performance Requirements through ZRC Replacement

ZRC replacement is available for use by Planning Resources that cleared a Season in the Planning Year and that go on suspension, retirement, catastrophic outage, ICAP Deferral, or that experience a Generator Planned Outage or derate greater than 31 days in that Season. Planning Resources already on a forced outage or knowingly offline during the effective date, cannot be used for ZRC Replacement. ZRC replacements are not allowed for any other reason.

In the event of such ZRC Replacement any performance requirements associated with the Resource that is being replaced (e.g., must offer obligation) will be transferred to the substituting Resource(s) for the duration of the ZRC Replacement period. ZRC Replacement is forward looking, MPs cannot replace ZRCs retroactively.

A Resource being used for ZRC replacement must not be on a full or partial Generator Planned Outage during the term of the ZRC replacement and must otherwise meet the applicable performance requirements set forth in section 69.A.3.1.h of Module E-1 of the Tariff.

6.4.4 ZRC Replacement Transactions

Replacement transactions in each Season can be entered at any time during the Planning Year and, unless otherwise modified, are valid through the end of the applicable Season within the Planning Year.

Replacement ZRCs may be sourced from any LRZ or ERZ subject to LCR, CIL, CEL, SREC, and SRIC constraints from the associated seasonal PRA. A replacement calculator is available in the MECT to check for any constraint violation. Planning Resource replacement transactions should be entered into the MECT tool at least seven (7) Calendar Days prior to effective date of replacement to ensure it has been entered and validated properly. This ensures adequate time for MPs and MISO staff to review and confirm accurate and proper entry of the ZRC replacement.

Replacement ZRCs can be from the Market Participant's own Planning Resources or ZRCs procured through a bilateral transaction from another Market Participant in the same seasonal auction These ZRCs can be sourced from other LRZ's provided they do not violate any LCR, CIL, CEL, SRIC or SREC. ZRC replacements from LRZs other than the original resource will be processed in accordance with the following parameters:

- ZRC replacement shall be processed on a first come, first served basis.
- The amount of cleared seasonal ZRCs in each LRZ at the time of a ZRC replacement shall be based upon the current amounts of cleared seasonal ZRCs, including any previous replacement transactions.

Replacement ZRCs should be input in the MECT with an intended effective date. The termination date of a Replacement ZRC transaction will be set as end of the Season by default. Market Participants can update the termination date to a different date before end of the

Season, provided that replacement capacity must be designated for RAR until at least 95% of its ZRCs have been replaced.

ZRC replacement shall have no impact on settlements from the PRA and FRAPs and RBDC Opt Out. The “Replacement Calculator” option is available in the MECT which can be used for verifying if the Planning resource being used for the replacement will meet all of the required LRZ parameters including LCR, CIL and CEL, as well as ERZ CEL.

6.4.5 On Ramping New Resources Mid-Planning Year for ZRC Replacement

If a new resource is expected to be available at the start of a Season within the Planning Year, the preferred course for the Market Participant would be to enter the ICAP Deferral process.

However, if a new resource is unable to utilize the ICAP Deferral Process, the new resource may be eligible to receive uncleared Zonal Resource Credits (ZRCs) in the middle of the Planning Year and prior to the start of a Season only under the following conditions:

i. Market Participant must coordinate with the IMM to obtain confirmation the new resource did not physically withhold capacity from a particular seasonal auction.
ii. The new resource must be in Commercial Model at time of request.
iii. The new resource must submit applicable testing (i.e. GVTC into MISO PowerGADS or Non-GADS Performance Template into MECT, DR tests, etc.).
iv. The new resource must become commercially operable as of date of replacement.
v. Requests must be submitted at least 3 weeks prior to start of replacement.
vi. If the new resource is an LMR no part of the Behind-The-Meter Generation (BTMG) or Demand Response (DR) assets can have been previously registered for the Planning Resource Auction by the registering Market Participant.
vii. If the new resource is an ARC LMR the contract with the customer/asset must have been signed after the March 1 Registration deadline.

6.4.6 MECT ZRC Replacement Calculator

The Replacement Calculator screen in the MECT is used to help MPs assess whether the ZRCs being used for the replacement will meet all of the required parameters including seasonal LCR, CIL, CEL, SREC, and SRIC.

For each Local Resource Zone, the Replacement Calculator screen displays the seasonal Final PRMR, LCR, CIL, CEL, sum of cleared Offers, sum of FRAP and sum of RBDC Opt Out, , Total Import and Total Export for each LRZ, and Total Export for each ERZ from the seasonal PRA.

Import Available and Export Available numbers are updated each time the Resource Replacement process is completed.

- Import Available number represents the maximum ZRCs allowed to import into the LRZ without violating the CIL in that Season. Import Available for the LRZ is calculated as:
  Seasonal Import Available = CIL – Total Import from PRA + (Sum of all Export* - Sum of all Imports*)
- LRZ Export Available number represents the maximum seasonal ZRCs allowed to export out of the LRZ without violating the CEL. Export Available for the LRZ is calculated as:
  LRZ Export Available = CEL – Total Export from PRA + (Sum of all Import - Sum of all Exports*)
  ERZ Export Available represents the maximum ZRCs allowed to export out of the ERZ without violating the CEL. It is calculated as: ERZ Export Available = ERZ CEL – ZRCs cleared, including FRAPs and RBDC Opt Out, in ERZ

Example:

LRZ 1 has an LCR of 15,070 MW; and Import Available of 4,628.7 MW
LRZ 2 has an Export Available of 1,023.7 MW
LRZ 3 has an Export Available of 1,759.4 MW
ERZ 1 has an Export Available of 1,000 MW

Total MW needing replacement in LRZ 1: = 200 MW (Original Resource = AAA1)

Replacement ZRCs from LRZ 1: Of that 200 MW, 100 MW will be replaced by other Planning Resources located in LRZ 1 (Substitution Resource = AAA2)

ZRCs in LRZ 1 (after same LRZ replacement): LRZ 1's total ZRCs from LRZ 1 after replacement = Offers Cleared + FRAP +RBDC Opt Out - Total MW needing replacement + Replacement ZRCs from the same LRZ = 18,522.3 – 200 + 100 = 18,422.3

LCR Test: Since 18,422.3 > LRZ 1's LCR of 15,070, the LCR Test result is "Pass"

Amount Exported: Remaining Replacement ZRCs of 100 MW are imported from LRZ 2 and LRZ 3:

o LRZ 2's Exported ZRCs = 40 MW (Substitution Resource = BBB3)
o LRZ 3's Exported ZRCs = 60 MW (Substitution Resource = CCC4)

Import Test: LRZ 1's total Imported ZRCs = 100 MW (40 MW + 60 MW). Since 100 MW < Import Available of 4,628.7, the Import Test result is "Pass"

Export Test: Since LRZ 2's Export of 40 MW < Export Available of 1,023.7 MW and LRZ 3's Export of 60 MW < Export Available of 1,759.4 MW, the Export Test results for LRZ 2 and 3 are "Pass".

This scenario will require the following 3 separate Resource Substitution Registrations to replace AAA1 for the full amount of 200 MW in LRZ 1:

o First 100 MW of AAA1: replaced by AAA2 for 100 MW from LRZ 1
o Second 40 MW of AAA1: replaced by BBB3 for 40 MW from LRZ 2
o Remaining 60 MW of AAA1: replaced by CCC4 60 MW from LRZ 3
o No change for ERZ 1

6.4.7 Capacity Replacement Non-Compliance Charge and Distribution

Any combination of cleared or replaced ZRCs that are on full or partial Generator Planned Outage for greater than thirty-one (31) Days in total during a Season, or for any other reason including full or partial Generation Outages that were not planned but were known or could have been reasonably anticipated at the time of the PRA, as set forth in the Market Monitoring and Mitigation Business Practices Manual, or unavailable because subject to a Diversity Contract that is not available for greater than one (1) Month during a Season, will be assessed a Capacity Replacement Non-Compliance Charge. The charges will be applied to the asset owner that converted the SAC to ZRCs for the resource . MISO's Control Room Operations Window (CROW) includes the following 4 categories of out of service (OOS) and derates: Planned, Urgent, Emergency and Forced. For purposes of calculating CRNCCs, MISO will use CROW outages prioritized as Planned. In addition, all outages not prioritized as Planned in CROW, but that were: (1) known or reasonably known at the time of the PRA, or (2) were determined by the IMM to be incorrectly prioritized in CROW shall be included in calculation of the CRNCC. See BPM-008 and the CROW users guide for outage prioritization codes and definitions.

Capacity Non-Compliance Charge = [# days failure to comply with replacement] * [# ZRCs failed to be replaced] * [Seasonal Zonal ACP + Daily Zonal CONE]

The number of Days counted will be on an hourly basis (31 days x 24 hours = 744 hours) since outages may only cover a portion of some Days. The number of hours that failed to comply or replace will be determined by ranking generator performance across the Season and applying charges to hours with the least violations in the Season beyond 744 hours. The charges assessed will round down to the number of whole Days in excess of 31 Days. For example, 815 hours minus 744 hours and then divided by 24 hours = 2.96 Days. In this case, the penalty charged for will be for two days.

Capacity Replacement Non-Compliance Charge revenues received by the Transmission Provider will be distributed to Market Participants representing LSEs that have met their Final PRMR during the applicable Season of the Planning Year on a pro rata basis, based upon their respective LSEs' share of total Final PRMR for the Transmission Provider Region.

6.5 LMR performance

6.5.1 BTMG Performance

When a BTMG that either is used in a seasonal FRAP or RBDC Opt Out or cleared in a seasonal PRA fails to perform during an Emergency when included in a Market Participant's Resource Deployment response to a Scheduling Instruction, the penalties are calculated for each hour in which a BTMG fails to respond in an amount greater than or equal to the target level of generation increase entered in the Resource Deployment screen of the LMR Scheduling Instruction Event in the DSRI as the sum of: (1) the product of (a) the amount of increased generation not achieved and (b) the LMP at the CPNode associated with the BTMG; and (2) applicable Revenue Sufficiency Guarantee (RSG) Charges. The amount of increased generation not achieved for BTMG is equal to the greater of: (1) the difference between (a) the target level of generation increases and (b) actual increased generation; and (2) zero. The applicable RSG Charges are equal to the product of: (1) the difference between (a) the target level of increased generation and (b) actual increased generation; and (2) the applicable RSG charges.

If advanced reporting is not entered in response to Scheduling Instructions into the Resource Deployment screen of the LMR Scheduling Instruction Event in the DSRI, then the full amount of Scheduling Instructions will be penalized.

The revenues from charges resulting from BTMGs that fail to respond in an amount greater than or equal to the MP responses to Scheduling Instructions shall be allocated, *pro rata*, to MPs representing LSEs in the LBA area(s) that experienced the Emergency, on a load ratio share basis.

For any situation where a BTMG does not increase generation in response to a Scheduling Instruction or where the resource is claimed to be unavailable as indicated in the DSRI as a result of maintenance requirements or for reasons of Force Majeure, MISO shall initiate an investigation into the cause of the BTMG not being available as needed during Emergency and may, if deemed appropriate, disqualify that resource from receiving ACP payments for that Planning Year. The BTMG may be called but not required to respond if the Emergency call is outside the resource's registration limitations (i.e. less than the registered time to respond, the event lasts longer than the registered duration, is made outside the BTMG's registered availability period; or the resource has reached its registered maximum number of deployments for that Season). However, should a BTMG resource indicate availability in the DSRI at any time in any Season of the Planning Year, it is considered available in the event of an Emergency during that Season and may receive Scheduling Instructions.

In the event the same BTMG does not sufficiently respond or is unavailable, except for reasons of Force Majeure or other acceptable reasons defined in the Tariff or in this BPM on a second occasion during a Season within the Planning Year (with a separation period of at least 24 hours), the MP that registered the BTMG will be subject to the penalties described herein (if that BTMG fails to increase generation to the level instructed). Such BTMG shall be assessed the same penalty as indicated above for its first performance failure, and the BTMG will no longer be eligible to receive ACP payments for the current Planning Year and for the next Planning Year.

If, in review of the BTMG's measurement and verification data following an Emergency, MISO determines that the MP has committed fraud to receive excess payments or to avoid penalties, MISO will have the right to ban the MP or its customers from participation in the wholesale electricity markets, as well as, pursue other legal options at the sole discretion of MISO.

6.5.2 DR Performance

If a DR that either is used in a seasonal FRAP or RBDC Opt Out or cleared in the seasonal PRA fails to perform during an Emergency when included in a Market Participant's Resource

Deployment response to Scheduling Instructions, penalties will be calculated for each hour in which a DR fails to respond in an amount greater than or equal to the target level of Load reduction entered in the Resource Deployment screen of the LMR Scheduling Instruction Event in the DSRI as the sum of: (1) the product of (a) the amount of load reduction not achieved, including Load above the registered firm service level for those DR registered as such and (b) the LMP at the CPNode associated with the DR; and (2) applicable Revenue Sufficiency Guarantee (RSG) Charges. The amount of Load reduction not achieved for DRs is equal to the greater of: (1) the difference between (a) the target level of Load reduction and (b) actual Load reduction; and (2) zero. The RSG Charges are equal to the product of: (1) the difference between (a) the target level of Load reduction and (b) actual Load reduction; and (2) the applicable RSG charges.

If advanced reporting is not entered in response to Scheduling Instructions into the Resource Deployment screen of the LMR Scheduling Instruction Event in the DSRI, then the full amount of Scheduling Instructions will be penalized.

Unless already entered as Self Scheduled for the event, DRs registered with a firm service level must still show a load reduction. Advanced Reporting should reflect the best estimate of load reduction available (i.e. load above the firm service level) during the event. Penalties will still be measured as load above the registered firm service level.

The revenues from charges resulting from DRs that fail to respond in an amount greater than or equal to the MP responses to Scheduling Instructions shall be allocated, *pro rata*, to MPs representing LSEs in the LBA area(s) that experienced the Emergency, on a load ratio share basis.

For any situation where a DR does not respond in an amount greater than or equal to the target level of Load reduction or registered firm service level or the resource is unavailable, including those circumstances where the resource is unavailable for maintenance reasons or Force Majeure, MISO shall initiate an investigation into the cause of the DR not being available when called upon, and may, if deemed appropriate, disqualify that resource from ACP payments for that Planning Year. The DR may be called but not required to respond if the Emergency call is outside the resource's registration limitations (i.e. less than the registered time to respond, the event lasts longer than the registered duration is made outside the DR's registered availability period, or the resource has reached its registered maximum number of deployments for that Season). However, should a Demand Resource indicate availability in the DSRI at any time in a

Season within the Planning Year, it is considered available in the event of an Emergency during that Season and may receive scheduling instructions.

In the event the same DR is not sufficiently responsive, including being unavailable, on a second occasion during a Season within the Planning Year (with a separation period of at least 24 hours) when included in a Market Participant's response to Scheduling Instructions; except when unavailable due to maintenance reasons, Force Majeure or other acceptable reasons as outlined in the Tariff or this BPM, the MP that registered the DR that was used to meet Resource Adequacy Requirements will be subject to the penalties described herein. The MP using the DR shall be assessed the same penalty as indicated above for a first performance failure, and the DR will no longer be eligible to receive ACP payments for the remainder of the current Planning Year and for the next Planning Year (s).

If, in review of the DR's measurement and verification data following an Emergency, MISO determines that the MP has committed fraud to receive excess payments or avoid penalties, MISO will have the right to ban the MP or its customers from participation in the wholesale electricity markets, as well as pursue other legal options at the sole discretion of MISO.

7 Integration of New LSEs

This section serves as a guide for those new Load Serving Entities (LSEs) integrating into MISO's region between the time MISO has completed the PRA(s) and the next Planning Year starts.

Once the integration date is set, MISO will work with both existing and new LSEs to ensure that the newly integrating LSEs have sufficient Planning Resources to meet their anticipated Coincident Peak Load Forecast plus an appropriate planning reserve margin.

To ensure the PRMR for new LSEs is met, MISO may conduct a Transitional PRA following the same registration requirements and auction protocols as the PRA.

MISO may provide the following when integrating new LSEs for applicable Season(s):

1. Define, as needed, new Local Resource Zone and their associated zonal parameters including:
    - Calculate CONE for the LRZ
    - Determine ZIA, ZEA, CIL and CEL

- LOLE Analysis (Section 3.4.2)
- Establishment of Local Reliability Requirement (Section 5.2.2.2)

2. Calculate Seasonal Planning Reserve Margin and Transmission Losses for the new LBAs
    - Determination of Seasonal Planning Reserve Margin (Section 3.4.1)
    - Review of CPD Forecasts (Section 3.2.5)
3. Conduct Transitional Planning Resource Auction
    - Amount of Capacity Cleared in Each Auction (Section 5.5.2)
    - Conduct of the PRA (Section 5.5.3)
    - Auction Results Posting (Section 5.5.8)

MISO may coordinate the proper timing of the data collection effort with the new LSEs for the successful completion of the Transitional PRA. The Transitional PRA will ensure that sufficient Planning Resources are procured to meet the Final PRMR of the newly integrating MISO region for the applicable Seasons in the remaining Planning Year.

The Resource Adequacy Timeline for the seasonal PRAs is shown in Appendix K. MISO will determine the Resource Adequacy timeline for the Transitional PRA and will publish it on the Resource Adequacy webpage under the Planning Section of the MISO public website. The Resource Adequacy timeline for the Transitional PRA will be reviewed by stakeholders prior to publishing on the MISO public website.

8 Testing Procedures and Requirements

8.1 Generator Real Power Verification Testing Procedures

MISO has developed generator test standards as documented in Appendix J that apply for Planning Years 2011-2012 and beyond.

9 Appendices

Appendix A – Wind Capacity Credit

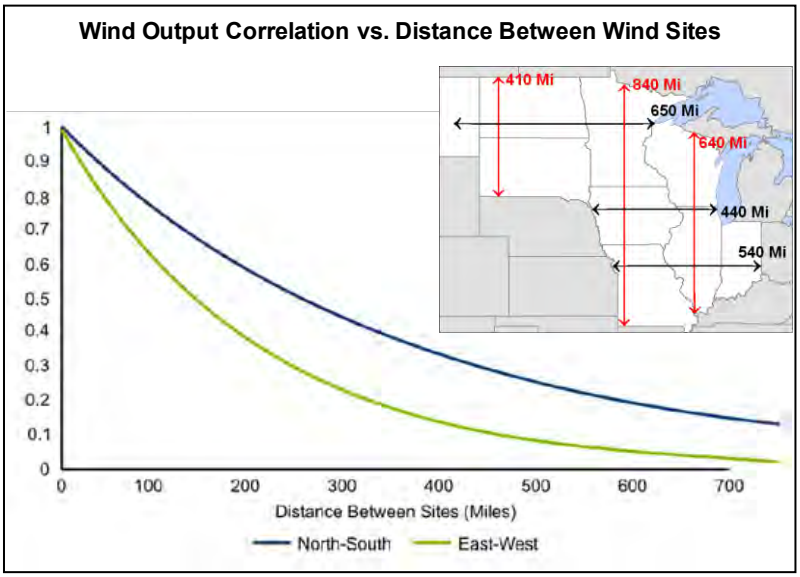
The goal of establishing wind accreditation is to estimate the reliable output of wind as a percentage of the Installed Capacity (ICAP), for each Season, for the MISO system and by Commercial Pricing Node (CPNode). The data driving wind accreditation includes the following:

- The hourly load and the hourly wind output for the sampled peak load period for each Season. This concurrent load and wind data, along with the normal complement of generator data in an LOLE simulation, is essential for determining the system-wide seasonal Effective Load Carrying Capacity (ELCC) of the wind fleet.
- The hourly wind output for the top 8 seasonal MISO coincident daily peak hours for the most recent 3 years' worth of operational data per Season, both for the MISO system and by individual wind CPNodes. The system-wide and individual CPNode performance and ICAP data is used to allocate the system-wide seasonal wind ELCC among the individual wind CPNodes currently in operation.
- The hourly amounts by which individual wind CPNodes are dispatched downward are part of Dispatchable Intermittent Resources (DIR) activity in the market. Non-DIR resources are not required to submit Day-Ahead Energy Market offers—subsequently, curtailments are only considered for DIR wind resources that do offer into the Day-Ahead Energy Market.

Since 2009, MISO has embarked on a process to determine the capacity value for the increasing fleet of wind generation in the system. The MISO wind accreditation process, as developed and vetted through the MISO stakeholder community, consists of a two-step method. The first step utilizes a probabilistic approach to calculate the MISO seasonal system-wide ELCC value for all wind resources in the MISO footprint. The second step employs a deterministic approach using unit-specific metrics to allocate the single seasonal system-wide ELCC value across all wind CPNodes in the MISO system, resulting in an individual wind capacity credit for each wind node in operation for the sampled peak load period for each Season.

As the geographical distance between wind generation increases, the correlation in the wind output decreases. This leads to a higher average output from wind for a more geographically diverse set of wind plants, relative to a closely clustered group of wind plants. Due to the increasing diversity and the inter-annual variability of wind generation over time, the process

needs to be repeated annually to incorporate the most recent historical performance of wind resources into the analysis. For each upcoming Planning Year, the wind capacity credit values in MISO are updated to account for both the stochastic nature of wind generation and the increasing integration of new resources into the system. The sections of this appendix and current results illustrated here are broken down to provide an example detailing the two-step method adopted by MISO for determining wind accreditation from the 2012-13 Planning Year.



Step-1: MISO System-Wide Wind ELCC Analysis

Probabilistic Analytical Approach

The probabilistic measure of load not being served is known as Loss of Load Probability (LOLP) and when this probability is summed over a time frame, e.g. one year; it is known as Loss of Load Expectation (LOLE). The accepted industry standard for what has been considered a reliable system has been the “Less than 1 Day in 10 Years” criteria for LOLE. This measure is often expressed as 0.1 days/year, as one year is the period for which the LOLE index is calculated.

Effective Load Carrying Capability (ELCC) is defined as the amount of incremental load a resource, such as wind, can dependably and reliably serve, while considering the probabilistic nature of generation shortfalls and random forced outages as driving factors to load not being

served. Using ELCC in the determination of capacity value for generation resources has been around for nearly half a century. In 1966, Garver demonstrated the use of loss-of-load probability mathematics in the calculation of ELCC [1].

To measure ELCC of a particular resource, the reliability effects need to be isolated for the resource in question, from those of all the other sources. This is accomplished by calculating the LOLE of two different cases: one “with” and one “without” the resource. Inherently, the case “with” the resource should be more reliable and consequently have fewer days per year of expected loss of load (smaller LOLE).

The new resource in the example shown in Fig. 1 made the system 0.07 days/year more reliable, but there is another way to express the reliability contribution of the new resource besides the change in LOLE. This way requires establishing a common baseline reliability level and then adjusting the load in each case “With” and “Without” the new resource to this common LOLE level. A common baseline that is chosen is the industry accepted reliability standard of 1 Day in 10 Years (0.1 days/year) annual LOLE criteria.

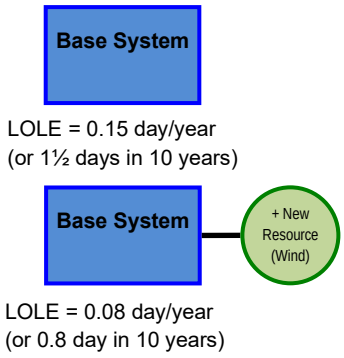


Figure 1: Example System “With” and “Without” New Resource

With each case being at the same reliability level, as shown in Fig. 2, the only difference between the two cases is that the load was adjusted. This difference is the amount of ELCC expressed in load or megawatts, which is 300 MW (100 minus -200) for the new resource in this example. This number may be divided by the ICAP of the new resource and then expressed in percentage form. ICAP for a wind resource is defined as the lesser of a wind resource’s Maximum Output as it is registered in the Commercial Model and its total Interconnection

Service. The new resource in the ELCC example Fig. 2 has an ELCC of 30 percent of the resource's nameplate capacity, assuming nameplate capacity is equivalent to ICAP.

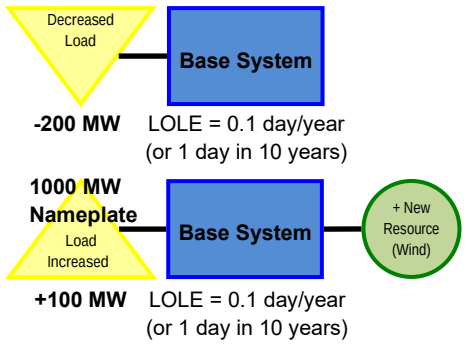


Figure 2: ELCC Example System at the same LOLE

The same methodology illustrated in the simple example of Fig. 2 was utilized as the analytical approach for the determination of the seasonal system-wide ELCC of the wind resource in the much more complex MISO system. For each historic year studied, there were two types of cases analyzed: cases with and cases without the wind resources included in the model. Each case was adjusted to the same common baseline LOLE and the ELCC was measured off those load adjustments. [2]

LOLE Model Inputs & Assumptions

To apply the ELCC calculation methodology, MISO uses an LOLE model capable of sequential Monte Carlo simulation to calculate LOLE values with and without the wind resource modeled. This analysis primarily considers three major inputs:

- Generator Forced Outage Rates (EFORd)
- Actual Historic Hourly Load Values
- Actual Historic Hourly Wind Output Values

Forced outage rates are used for the conventional type of units in the LOLE model. These EFORd are calculated from the Generator Availability Data System (GADS) that MISO uses to collect historic operation performance data for all conventional types units in the MISO system.

To incorporate historical performance, the actual historical hourly concurrent load and wind output at the wind CPNodes is used to calculate the historic seasonal ELCC values for the wind generation in the MISO on a system-wide basis.

Step-2: Wind Capacity Credit by CPNode Calculation

Deterministic Analytical Technique

Since there are many wind CPNodes throughout the MISO system, a deterministic approach involving a historic-period metric is used to allocate the system-wide seasonal ELCC values of wind to all the registered and in-service wind CPNodes. While evaluation of all CPNodes captures the benefit of the geographic diversity, it is important to assign the capacity credit of wind at the individual CPNode locations, because location relates to deliverability due to possible congestion on the transmission system in the MISO market. Also, in a market it is important to convey the correct incentive signal regarding where wind resources are relatively more effective. The location and relative performance are valuable inputs in determining the tradeoffs between constructing wind facilities in high-capacity factor locations, that in the case of the MISO system are located in more remote locations far from load centers, and requiring more transmission investment versus locating wind generating facilities at less effective wind resource locations that may require less transmission build-out.

The fleet-wide wind ELCC value (%) for a particular Season multiplied by the total ICAP for registered and in-service wind resources results in the total seasonal fleet-wide allocatable wind accreditation (MW). The total seasonal fleet-wide wind accreditation is then allocated to the applicable wind CPNodes in the MISO system.

Allocation considers the historic output, both in terms of with and without curtailments, for each wind CPNode over the top 8 daily peak hours for each Season included in the analysis. A capacity factor for each CPNode during all historical daily peak hours is represented in the Wind CPNode Equations contained in this appendix by "$PKmetric_{CPnode}$" for a particular CPNode, which is also referred to as the peak performance capacity factor.

This peak capacity factor for each Season is calculated using two methods:

- one method includes (adds back in) megawatts of a wind resource that were curtailed
- a second method excludes (does not add back in) those same curtailed megawatts

The larger of the two methods above, for each individual resource, forms the basis for allocating the total seasonal fleet-wide wind accreditation to the CPNodes.

New wind CPNodes that do not have sufficient historic output data will receive the seasonal fleet-wide wind capacity credit percentages applied to their ICAP as their default seasonal capacity accreditation for their first year in operation.

Tracking the top 8 daily peak hours in a Season is sufficient to capture the peak load times that contribute to the annual LOLE of 0.1 days/year. For example, in the LOLE run for year 2011, all of the 0.1 days/year LOLE occurred in the month of July, but only 4 of the top 8 daily peaks occurred in the month of July. Therefore, no more than 4 of the top daily peaks contributed to the LOLE. Other years have LOLE contributions due to more than 4 days, however 8 days was found sufficient to capture the correlation between wind output and peak load times in all cases. If many more years of historical data were available, one could simply utilize the single peak hour from each year as the basis for determining the $PKmetric_{CPnode}$ over multiple years.

Wind CPNode Equations

The relationship of the wind accreditation to a CPNode's ICAP and Capacity Credit (%) is expressed as:

$$(\text{Wind Capacity Rating})_{\text{CPNode n}} = \text{ICAP}_{\text{CPNode n}} \times (\text{Capacity Credit \%})_{\text{CPNode n}} \quad (1)$$

Where $ICAP_{CPnode\ n}$ = Installed Capacity of the wind facility at the CPNode level.

The right most term in equation (1) above, the $(\text{Capacity Credit \%})_{CPNode\ n}$, can be replaced by the expression (2):

$$(\text{Capacity Credit \%})_{\text{CPNode n}} = \text{K} \times (\text{PKmetric}_{\text{CPNode n}}\%) \quad (2)$$

Where "K" for was found by obtaining the PKmetric at each CPNode over the time period, and solving expression (3):

$$K = \frac{ELCC}{\sum_{1}^{n} (ICAP_{CPNoden} \times PKmetric_{CPNoden})} \quad (3)$$

This results in the sum of the Wind Capacity Rating (MW) calculated for the CPNodes approximately equal to the total fleet-wide seasonal wind ELCC.

References

[1] Garver, L.L.; "Effective Load Carrying Capability of Generating Units," Power Apparatus and Systems, IEEE Transactions on, vol. PAS-85, no. 8, pp. 910-919, Aug. 1966

[2] Keane, A.; Milligan, M.; Dent, C.J.; Hasche, B.; D'Annunzio, C.; Dragoon, K.; Holttinen, H.; Samaan, N.; Soder, L.; O'Malley, M.; "Capacity Value of Wind Power," Power Systems, IEEE Transactions on, vol. 26, no. 2, pp. 564-572, May 2011

Appendix B – GADS Events Outside Management Control (OMC Codes)

There are a number of outage causes that may prevent the Energy coming from a power generating plant from reaching the customer. Some causes are due to the plant operation and equipment while others are outside plant management control. Such outages include (but are not limited to) ice storms, hurricanes, tornadoes, poor fuels, interruption of fuel supplies, etc.

A list of GADS causes and their cause codes for OMC events are listed on the following page. MISO has generated a list of OMC codes accepted by MISO for GADS purposes. For more detailed information regarding OMC outages and codes please refer to Appendix K of the NERC GADS Data Reporting Instructions.

The lists of GADS Cause Codes applicable to reporting outages to MISO are as follows:

GADS Cause Codes Outside Plant Management Control (OMC)

3600	Switchyard transformers and associated cooling systems – external
3611	Switchyard circuit breakers – external
3612	Switchyard system protection devices – external
3619	Other Switchyard equipment – external
3710	Transmission line (connected to powerhouse switchyard to 1st Substation)
3720	Transmission equipment at the 1st Substation (see code 9300 if applicable)
3730	Transmission equipment beyond the 1st Substation (see code 9300 if applicable)
9000	Flood
9001	Drought
9010	Fire, not related to a specific component
9015	Pandemic
9020	Lightning
9025	Geomagnetic disturbance
9030	Earthquake
9031	Tornado
9035	Hurricane
9036	Storms (ice, snow, etc.)
9040	Other catastrophe

9130	Lack of fuel (water from rivers or lakes, coal mines, gas lines, etc.) where the operator is not in control of contracts, supply lines, or delivery of fuels
9132	Wet Fuel – Biomass
9135	Lack of water
9139	Ground water or other water supply problems
9150	Labor strikes company-wide problems or strikes outside the company's jurisdiction such as manufacturers (delaying repairs) or transportation (fuel supply) problems
9200	High ash content
9210	Low grindability
9220	High sulfur content
9230	High vanadium content
9240	High sodium content
9250	Low Btu coal due to low BTU vane of coal not expected (Outside Management Control)
9260	Low Btu oil
9270	Wet coal
9280	Frozen coal
9290	Other fuel quality problems
9300	Transmission system problems other than catastrophes (do not include switchyard problems in this category; see codes 3600 to 3629, 3720 to 3730)
9320	Other miscellaneous external problems
9500	Regulatory (nuclear) proceedings and hearings - regulatory agency initiative
9502	Regulatory (nuclear) proceedings and hearings - intervener initiated
9504	Regulatory (environmental) proceedings and hearings - regulatory agency initiated
9506	Regulatory (environmental) proceedings and hearings - intervener initiated
9510	Plant modifications strictly for compliance with new or changed regulatory requirements (scrubbers, cooling towers, etc.)
9520	Oil spill in Gulf of Mexico
9590	Miscellaneous regulatory (this code is primarily intended for use with event contribution code 2 to indicate that a regulatory-related factor contributed to the primary cause of the event)

Appendix C – Registration of Energy Efficiency Resources

Energy Efficiency	
Registration Requirements	**Explanation**
Name	Enter the name of the Energy Efficiency Resource
Plan Year	The Auction you are registering your Energy Efficiency Resource for displays in this field.
Description	Enter type of resources and additional names and sizes if registering more than one unit.
Asset Owner	Select the name of the entity that owns or has rights to this asset.
Local Resource Zone (LRZ)	The LRZ where this Energy Efficiency Resource is located displays once the Asset Owner and LBA is selected and the registration is saved.
Local Balancing Area (LBA)	Select the LBA where this Energy Efficiency Resource is located.
Documentation	Attach supporting documentation.
Program Information	Indicate if this is a new program or previously registered program.
Program Inception Auction	Select auction program began
Program Name	Name of program that is being registered.
Added Capability	Enter MW capability of program for given Auction
Total Capability	Total cumulative MW capability of program.
Eligible Capability	Sum of MW capability of 4 most recent Planning Years.
Forecast Capability	Total Capability minus Eligible Capability.
Energy Efficiency Capability at MISO Peak	MW value of program at MISO Peak.
Certify that registrant possesses ownership or equivalent contractual rights	Indicate whether registrant has all necessary rights to register this resource.
Comments	Submit any comments for this registration.

Appendix D – Registration of DRs

Demand Resource (DR)	
Registration Requirements	**Explanation**
Auction	The Season(s) in the PY you are registering your DR for displays in this field.
Name	Enter Name of the DR.
Description	Enter type of resources, additional names, and sizes if registering more than one unit.
Asset Owner	Select the name of the entity that owns or has rights to this asset.
Local Resource Zone (LRZ)	The LRZ where this DR is located displays once the Asset Owner and LBA is selected and the registration is saved.
Local Balancing Area (LBA)	Select the LBA where this DR asset is located.
Load Zone CP Node	Enter the CP Node where the DR asset is located.
CP Node Override	Check box if the Load Zone CP Node and Asset Owner combination that is needed, is not in the dropdown. MECT would allow then any Load Zone CPNode to be selected for any Asset Owner, assigned to the MP.
Aggregate Retail Customer (ARC)	Check box if resource registered as an ARC and fill out appropriate account and address information.
Retail Choice	Check box if Resource is for Retail Choice and if yes, type in name of Retail Choice Customer.
Accreditation Method	Choose accreditation method and attach supporting documentation.
Demand Reduction Capability Forecast	Monthly values shall be provided for the first two years from the Effective Start Date. Provide monthly MW levels associated with the amount of MW you can reduce in a given month consistent with the actual physical availability of the resource limited by any relevant regulatory or contractual restrictions.

Demand Resource (DR)	
Registration Requirements	**Explanation**
	Seasonal values shall be provided beyond the 2-year monthly window. Provide seasonal (Summer and Winter) MW levels associated with the amount of MW you can reduce in a given month consistent with the actual physical availability of the resource, limited by any relevant regulatory or contractual restrictions.
Operator Contact Name	Enter who to contact for deployment of the DR. The contact should be available 24 x 7 for commitment by MISO or LBA.
Operator Contact Phone Number	Enter phone number for 24 x 7 operator.
Operator Contact Email	Enter email address for 24 x 7 operator.
M&V protocol to be applied to this DR	Select the protocol that should be applied. This is used for determination of whether the LMR performed if called on during a MISO Emergency. If other selected, please describe in box.
Exclude Season	Check this box to exclude the registration from participation in the specified Season.
Capability at MISO Peak	Enter MW capability being registered at MISO's Seasonal Peak.
DRR Registered	Check box if resource is registered as a DRR. If yes, select the name of the DRR CP Node.
Emergency Demand Response (EDR)?	Check box if DR registered as an EDR. If yes, select the name of the EDR resource.
Load Control Method	Select if load is direct control or interruptible load.
Max Interruptions	Select the max interruptions for the resource.
Max duration (hours)	Select the max duration for the resource.
Notification	Enter the notification time required for this DR. Notification time(s) must cover all hours and cannot be more than 6 hours and should be available 24 hours/Everyday (From 0000 to 2300 acceptable for 24 hours). Multiple notification times should start and stop

Demand Resource (DR)	
Registration Requirements	**Explanation**
	with different hours (from 0000 to 0700, 0800 to 1600, 1700-2000, 2100 to 2300).
EP Node Details	Add an appropriate EP Node by clicking “Add EP Node” and upload documentation for details on the EP Node. Note: This is an optional upload on DR Registration
Accept terms and conditions of the MISO Tariff	Indicate whether registrant accepts the terms and conditions of the MISO Tariff applicable to this resource
Certify that registrant holds all permits in place to operate resource	Indicate whether registrant has all necessary permits to operate this resource
Certify that registrant holds all rights in place to operate resource	Indicate whether registrant has all necessary rights to operate this resource
Comments	Submit any comments for this registration

Appendix E – BTMG registration

Behind the Meter Generation (BTMG)	
Registration Requirements	**Explanation**
Auction	The Season(s) within the PY you are registering your BTMG for displays in this field.
Name	Enter Name of the BTMG.
Description	Enter type of resources and additional names and sizes if registering more than one unit.
Asset Owner	Enter the name of the entity that owns or has rights to this asset.
Local Resource Zone (LRZ)	The LRZ where this BTMG is located displays once the Asset Owner and LBA is selected, and the registration is saved.

Behind the Meter Generation (BTMG)	
Registration Requirements	**Explanation**
Local Balancing Area (LBA)	Select the LBA where this BTMG asset is located.
Load Zone CP Node	Enter the CP Node where the BTMG asset is located.
Documentation	Add supporting documentation as necessary.
Demand Reduction Capability Forecast	Monthly values shall be provided for the first two years from the Effective Start Date. Provide monthly MW levels associated with the amount of MW you can inject in a given month consistent with the actual physical availability of the resource, limited by any relevant regulatory or contractual restrictions. Summer and Winter values shall be provided beyond the 2-year monthly window for levels associated with the amount of MW you can inject in the given Summer and Winter Season consistent with the actual physical availability of the resource, limited by any relevant regulatory or contractual restrictions.
Operator Contact Name	Enter who to contact for deployment of DRBTMG. The contact should be available 24 x 7 for commitment by MISO or LBA.
Operator Contact Phone Number	Enter phone number for 24 x 7 operator.
Operator Contact Email	Enter email address for 24 x 7 operator.
M&V protocol to be applied to this BTMG	Select the protocol that should be applied. This is used for determination of whether the LMR performed if called on during a MISO declared Emergency. If other selected, please describe in box provided.
Exclude Season	Check this box to exclude the registration from participation in the specified Season
Generators	Select the name of the Generator(s)
Wind Capacity Factor %	If a wind unit is selected, the Wind Capacity Factor will be displayed.
Transmission Loss %	Indicates the Transmission Loss % to be applied to the UCAP calculation based on the LBA selected.
Capability at MISO Peak	Indicates the calculated MW value for the BTMG resource based on its GVTC

Behind the Meter Generation (BTMG)	
Registration Requirements	**Explanation**
XEFORd	Displays the XEFORd to be applied in the UCAP calculation for the BTMG resource. If multiple Generators are selected, this field will display the weighted average XEFORd.
Emergency Demand Response (EDR)?	Check box if BTMG registered as an EDR and if yes, select the name of the EDR resource
Max Interruptions	Select the maximum interruptions for the resource
Max Duration (hours)	Select the maximum runtime hours for the resource
Startup notification time details (in hours)	Enter the notification time required to deploy this BTMG. Needs to be no more than 6 hours and cover all hours. Needs to be available 24 hours/Everyday (From 0000 to 2300 acceptable). Multiple notification times should start and stop with different hours (from 0000 to 0700, 0800 to 1600, 1700-2000, 2100 to 2300)
EP Node Details	Add an appropriate EP Node by clicking “Add EP Node” and upload documentation for details on the EP Node. Note: This is an optional upload on BTMG Registration
Accept terms and conditions of the MISO Tariff	Indicate whether registrant accepts the terms and conditions of the MISO Tariff applicable to this resource
Certify that registrant holds all permits in place to operate resource	Indicate whether registrant has all necessary permits to operate this resource
Certify that registrant holds all rights in place to operate resource	Indicate whether registrant has all necessary rights to operate this resource
Comments	Submit any comments for this registration

Appendix F – External Resources

External Resources	
Registration Requirements	**Explanation**
Name	Enter name of the External Resource.
Description	Enter type of resources and additional names and sizes if registering more than one unit.
BER/COR	Indicate if this Resource is a Border External Resource or Coordinating Owner Resource by checking this box.
Auction	The Season(s) in the Planning Year you are registering the resource for displays in this field.
Asset Owner	Select the name of the entity that owns or has rights to this asset.
Load Zone CP Node	Select the required Load Zone CP Node where this Resource is serving load.
Local Balancing Area (LBA)	Select the LBA where the External Resource sinks within MISO.
Local Resource Zone (LRZ)	Indicates the Local Resource Zone where the load served by this resource is located.
Ownership	Indicate if the External Resource is directly owned or from a PPA.
Entitled Capacity	Enter MW value the Market Participant can register.
PPA Type	Select whether PPA MWs are defined in MISO ICAP or UCAP.
Generator	Select name of GADS or Non-GADS Generator.
Ownership Share Type	Select Megawatt or Percent to indicate how much capacity corresponds to the registration.
External Balance Area where Resource are located	Enter Balancing Authority where the resource is physically located.

External Resources	
Registration Requirements	**Explanation**
Capacity at MISO Peak (Calculated)	The amount of seasonal capacity on a megawatt basis corresponding to the registration in terms of NRIS and ERIS.
Interface CPNode	Select Interface Load Zone CPNode.
XEFORd	The seasonal forced outage rate associated with the Generator(s) from GADS, excluding Outside Management Control (OMC) events. Can be overridden by the Market Participant.
NERC Regional Entity	Select NERC Regional Entity where the resource is located.
Use-Limited Resource Qualification	Indicate if this resource meets all Use Limited Resource qualification requirements.
Diversity Contract	Indicate whether this resource is part of a Diversity Contract exchange.
IDC Name	Indicate the IDC name used for entering outages via the SDX. List separate IDC name for each unit being registered. This is used for the must offer requirement.
Documentation	If Resource is not owned directly, attach supporting PPA or other pertinent documentation here.
Firm transmission to the MISO Border	Input effective date and OASIS reservation number and select Transmission Provider.
Firm transmission within the MISO Transmission System	Input effective date and OASIS Reservation number.
Have you accepted the terms and conditions of the MISO Tariff ?	Indicate whether registrant accepts the terms and conditions of the MISO Tariff applicable to this Resource.
Have you notified the host BA?	Indicate if you have contacted your host BA of this registration.
Will this External Resource be used exclusively as a Capacity Resource for MISO?	Indicate that you certify that this External Resource is being used as a Capacity Resource exclusively for MISO.
Is this External Resource available the entire auction?	Indicate if this External Resource is available for the entire Season within the upcoming Planning Year.

External Resources	
Registration Requirements	**Explanation**
Have all other requirements been met?	Indicate if all other requirements have been met.
Resource Operator Contact Name (24x7)	Enter who to contact for deployment of External Resource. The contact should be available 24x7 for commitment by MISO or LBA.
Resource Operator Contact Phone Number (24x7)	Enter phone number for 24x7 operator.
Resource Operator Contact Email (24x7)	Enter email address for 24x7 operator.
Season(s) registration is being submitted for	Summer ☐ Fall ☐ Winter ☐ Spring☐
Comments	Submit any comments for this registration.

Appendix G – Reliability Based Demand Curve

Overview

The key features of the Reliability Based Demand Curve include:

- Target point defined by: (a) x-axis centered on MISO's reliability requirement at a loss of load expectation (LOLE) of 0.1 days per year; and (b) y-axis centered on the estimated Net CONE that would be needed to attract new resources. This target point reflects the central concept that price levels must be consistent with achieving system reliability objectives.
- Curve proportional to incremental reliability value, such that prices decline with increasing quantities of capacity, and such that pricing levels are rationalized against reliability risk across each of the four seasons.
- Price cap at 1 × Cost of New Entry (CONE, or Gross CONE) in each season, and 4 × CONE in total across the four seasons.

RBDCs are developed for the entire MISO system as well as for the two subregions (North/Central & South) of the MISO system, utilizing the same reliability-based concept. The demand curves for the subregions will reflect the additional reliability value that capacity resources can contribute by being located in a subregion with more acute reliability needs than the broader system. The total reliability value (and price) awarded to capacity in a particular subregion will reflect the sum of its contribution to avoiding system-wide reliability events (reflected in the system-wide RBDC) plus its contribution to avoiding additional reliability events that would occur in the subregion (reflected by the subregional RBDC).

In total, MISO utilizes twelve (12) RBDCs for any particular Planning Year: four (4) seasonal curves for the system-wide RBDC, four (4) seasonal curves for the North/Central subregion, and four (4) seasonal curves for the South subregion.

RBDCs are drawn in proportion to reliability value at each quantity point and are drawn through the target point at the reliability requirement and Net CONE.

System-wide Reliability Based Demand Curves

The system-wide RBDC is defined in proportion to system-wide Marginal Reliability Impact (MRI), which is measured as avoided Expected Unserved Energy (EUE), or the reductions

to load shedding that would be achieved by adding one more MW of perfect capacity (or UCAP) to the system. This is derived from the seasonal Loss of Load Hours (LOLH) predicted at a specific quantity of supply, and the observation that 1 MW of perfectly-available UCAP supply would have avoided 1 MW-hour of outages across all of the simulated events. Mathematically, MRI is defined as:

MRI = Avoided EUE from Incremental Capacity = LOLH x 1 MW UCAP

Where:

- MRI (MWh per UCAP MW) is the incremental reliability value of adding 1 UCAP MW of capacity to the system.
- Avoided EUE (MWh per season) is the reduction in expected involuntary load shedding caused by adding incremental capacity.
- Incremental Capacity (UCAP MW) is the volume of perfectly-available capacity added.
- LOLH (hours per season) is the number of shortage hours predicted in reliability simulations across the season in question, in correlation with a specific quantity of UCAP MW available in that season.

To calculate MRI as a function of capacity, MISO utilizes the same resource adequacy model used in the determination of resource adequacy Requirements.

MRI curves are convex and monotonically downward-sloping, reflective of the declining marginal reliability value of capacity when supply is abundant, as well as the increasing marginal reliability value of capacity when supply is scarce. MRI is calculated above and below the reliability requirement by first establishing the supply quantity at which the system achieves the reliability target, and then adding/subtracting perfectly-available UCAP MW (in equal increments of no less than 50 MW and no more than 250 MW) to determine the marginal reliability value of the incremental capacity.

EUE is calculated at consistent variances in incremental and decremental amounts of capacity in the model for each season. The starting point for the seasonal MRI curves is the amount of capacity (in terms of UCAP) that results in the LOLE criteria corresponding with the demonstrated risk for each season. The Monte Carlo modeling for the system-wide MRI curve is copper plate, which assumes no internal transmission limitations within the MISO system.

Subregional Reliability Based Demand Curves

The development of subregional MRI curves follows the same process used for developing the system-wide curves—however, with the addition of bi-directional subregional transfer limits in the resource adequacy model that exists between the two subregions.

The starting point for each subregion's MRI curve is the PRMR from the system-wide analysis. Decrease/increase capacity in one region and simultaneously increase/decrease capacity in the other by the same amount and record reliability metrics for each region individually and MISO as a whole.

Subregion-specific Net CONE values are used to calculate subregional scaling factors, which are multiplied by the subregional MRI curves in each season to calculate the subregional RBDCs. Subregional RBDCs reflect the additional reliability value associated with capacity that can avoid reliability events that occur only in that subregion due to import limits, but that are not experienced system-wide.

Beyond the import capability, only capacity located in that subregion can help to avoid those localized shortfall events, so the incremental reliability and pricing value awarded would only apply to local capacity resources. The subregional RBDCs are calculated considering only local outage events, not considering system-wide outage events that are driven by system-wide supply shortfalls. Therefore, the subregional RBDCs are defined as additive in nature to the system-wide RBDCs.

The role of the system-wide demand curve is to signal the value of adding more capacity in total in MISO, regardless of where it is located. The role of the subregional RBDCs is to signal where within the system capacity is most needed (and where additional capacity cannot be as effectively utilized).

The steps for calculating subregional RBDCs include:

1. Initialize the resource adequacy model with each subregion at a target of 0.1 days per year: Beginning with the system-wide resource adequacy model, apply subregional transfer limits. Then subtract capacity in each season until each subregion is at a minimum seasonal LOLE criteria of 0.01 days/season for seasons demonstrating minimal risk. This reliability target reflects the subregional interpretation resource adequacy criteria in the MISO Tariff used as the basis for setting starting points in the subregional RBDCs.

2. Calculate Subregional Seasonal resource adequacy metrics Across Reserve Margins for Each Subregion: From this starting point, add (or subtract) perfectly-available UCAP MW
   capacity to the subregion in each season. Adding capacity to the system and the relevant subregion and observing the change in LOLE, LOLH, and EUE measures the incremental value of locating capacity in that region. When the subregion in question becomes highly import-dependent, events in that subregion will become large (even though the broader system will maintain similar levels of reliability). When the region becomes a large exporter of capacity, local events will drop to zero (even though system-wide events will not drop to zero given that the maximum capacity limit will be enforced more often and local excess supply will not be possible to export in all cases).
3. Calculate Seasonal Subregional MRI Curves: The subregional MRI curve has a somewhat different meaning as compared to the system-wide MRI curve, in that the subregional MRI curve aims to measure the additional value achieved by locating capacity within a particular import-constrained region (beyond the value already reflected by the system-wide curve). Subregional MRI will be positive when the region is import-constrained and zero when the subregion has excess capacity. Therefore, the MRI curve for each subregion is first calculated as the total MRI including both system-wide and subregional events (the direct model result), and then the share of system-wide events is subtracted out. The resulting MRI curve reflects subregional events only.
4. Calculate the Subregional Scaling Factor: Calculate the subregional scaling factor from the subregional Net CONE value, divided by the subregional MRI at a quantity consistent with the resource adequacy target LOLE of 0.1 days/year from Step 1.
5. Calculate Seasonal Subregional RBDCs: Calculate the RBDCs for capacity in each subregion based on the MRI curve times the Subregional Scaling Factor from Step 4. The
   resulting subregional RBDC will produce a positive price whenever the subregion is anticipated to be import constrained during times of potential shortage, and incremental capacity in that subregion would help to alleviate the shortfall.

Translating MRI Curves to RBDC

Translating the MRI curves (in units of incremental EUE per MW) into a capacity demand curve (in units of dollars per MW-day) requires a system scaling factor. The system scaling factor is calculated so as to support annual average prices at annualized Net CONE when the system is at the annual LOLE requirement of 0.1 days/year. If more than one season shares a meaningful portion of the LOLE risk, the LOLE risk could be summed from the estimated values across 2–4 seasons. Mathematically, system scaling factor is defined as:

System Scaling Factor = Average System Annual Net CONE ÷ System MRI @ 0.1 LOLE

Where:

- System Scaling Factor ($/MWh) is the payment rate at which the system-wide Reliability Based Demand Curves would incentivize investment in additional supply.
- System Annual Net CONE ($/UCAP MW-year) is the administrative estimate of the net
  annualized cost to develop new capacity resources (i.e., the long-run marginal cost of supply) on a system-wide basis.
- System MRI @ 0.1 LOLE (MWh/UCAP MW-year) is the marginal impact of additional capacity, as estimated on a system-wide copper-sheet basis (i.e., without considering transmission constraints) when the system is at the annual LOLE requirement of 0.1 days/year.

The prices on all the curves are derived by multiplying the MRI curves by the uniform system scaling factor (in $/MWh of EUE avoided) given by the annual break-even revenue requirement from the capacity market at the LOLH corresponding to a LOLE of 0.1 days/year.

Once the System Scaling Factor is calculated, the same value is utilized to calculate the RBDCs across all four seasons. The four RBDCs reflect a set of economic parameters that signal the relative value of capacity across each season. These four RBDCs will therefore support differentiated prices in each season that are always consistent with the level of events that are likely to be faced in each season given its respective supply-demand balance. The curves are all of a convex shape, reflective of the diminishing value of reliability at higher quantities but have different horizontal placements relative to peak load and different rates of diminishing return that reflect the unique system challenges faced across each season.

Summer has the highest peak load, so the curve is at the highest overall quantity in the summer—however, the other seasons face more uncertainty in net load across weather years and so their curves are more right-shifted compared to seasonal peak load. A season that faces
greater variability and uncertainties in outage and resource availability risks may also produce a
somewhat flatter curve (e.g., Winter and Summer), while a season facing fewer such uncertainties may produce a steeper curve (e.g., Spring).

Similar to System Scaling Factor, scaling factor to scale subregional MRI curve is determined as follows.

Subregional Scaling Factor = Average respective subregion Annual Net CONE ÷ subregional MRI @ 0.1 LOLE

Where:

- Subregional Scaling Factor ($/MWh) is the payment rate at which the Subregional Reliability Based Demand Curves would incentivize investment in additional supply.
- Subregional Annual Net CONE ($/UCAP MW-year) is the administrative estimate of the net annualized cost to develop new capacity resources (i.e., the long-run marginal cost of supply) on a subregional basis.
- Subregional MRI @ 0.1 LOLE (MWh/UCAP MW-year) is the marginal impact of additional capacity, as estimated on a subregional basis when the system is at the annual LOLE requirement of 0.1 days/year.

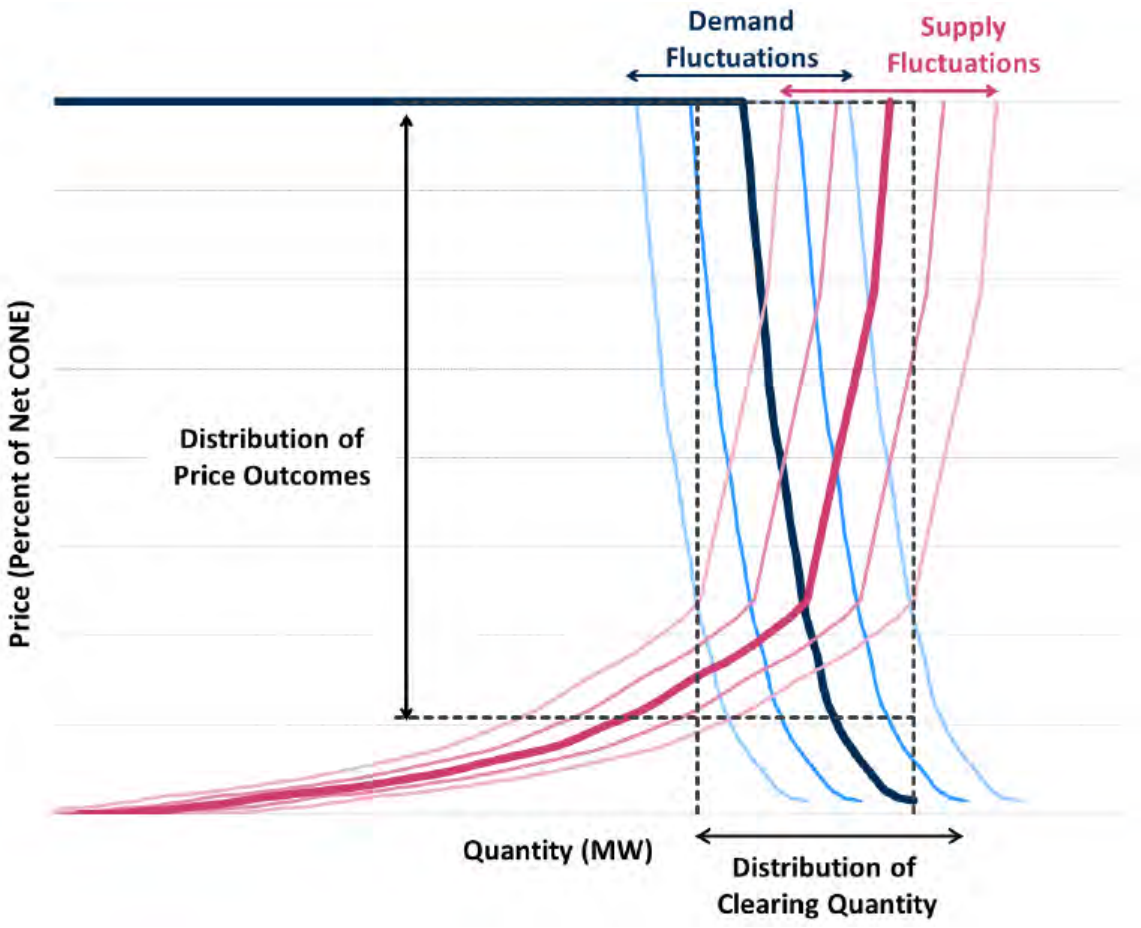
Once the Subregional Scaling Factor is calculated, the same value is utilized to calculate the RBDCs across all four seasons. The four RBDCs reflect a set of economic parameters that signal the relative value of capacity across each season. On subregion basis, these four RBDCs will therefore support differentiated prices in each season that are always consistent with the level of events that are likely to be faced in each season given its respective supply-demand balance. The curves are all of a convex shape, reflective of the diminishing value of reliability at higher quantities but have different horizontal placements relative to peak load and different rates of diminishing return that reflect the unique system challenges faced across each season.

Summer has the highest peak load, so the curve is at the highest overall quantity in the summer—however, the other seasons face more uncertainty in net load across weather years and so their curves are more right-shifted compared to seasonal peak load. A season that faces greater variability and uncertainties in outage and resource availability risks may also produce a somewhat flatter curve (e.g., Winter and Summer), while a season facing fewer such uncertainties may produce a steeper curve (e.g., Spring).

Long-run Equilibrium Analyses

Monte Carlo simulations are performed on supply curves and potential RBDCs to assess the achievement of long-run equilibrium conditions where the objective is for the average of all seasonal prices to be equivalent to Net CONE. Seasonal ACP and supply quantity outcomes are modeled in the simulations to account for variability in supply curve shapes, supply quantity, demand quantity, and opt out quantity. All model inputs are derived from historic MISO market data. Long-run equilibrium analyses should result in an expected distribution of price, quantity, and reliability outcomes that, when compared to the design objectives of RBDC, achieve the reliability objectives, produce better capacity market price signaling, and accurately recognize the reliability value of incremental capacity.

The long-run equilibrium analyses involve separate Monte Carlo simulations and will be performed every three (3) Planning Years.



In-market supply curves consist of three (3) component pieces:

6. Price Offers: supply offers at prices above zero, shape based on historic MISO offer curves, and independent of demand curve shape.
7. Year-to-Year Variability in Supply: zero-priced supply block, quantity varies with each draw to generate variability in supply offers, and tuned to true historic availability in supply.
8. Market Entry and Exit: zero-priced annual supply block with seasonal capacity ratings proportional to a combustion turbine reference resource, quantity varies across draws so that the average of seasonal clearing prices across all seasons is equal to the annual net CONE.

Appendix H – Non-Schedule 53 Seasonal Accredited Capacity (SAC) Calculations for Planning Resources

The following sets of equations establish how the SAC values (NRIS SAC, including E-NRIS SAC, and ERIS SAC) are determined for Planning Resources to account for resource performance and availability. Schedule 53 resource accreditation is outlined in Appendix Y.

H.1 Planning Resource SAC calculation for a Generation Resource, a Demand Response Resource backed by a generator, or a Behind-the-Meter Generator, with a Point of Interconnection on MISO's Transmission System

The Seasonal Accredited Capacity (SAC) calculation is based on resource type and volume of seasonal Interconnection Service, seasonal GVTC, and seasonal forced outage rate (XEFORd).

H.1.1 Planning Year SAC Calculation for each Season

The following steps are used to calculate NRIS SAC and ERIS SAC for each Planning Resource.

Determine ICAP:

The first step is to determine the Installed Capacity (ICAP) that the Planning Resource can reliably provide, which is equal to the lesser of its GVTC or its total volume of Interconnection Service (Network Resource Interconnection Service and/or Energy Resource Interconnection Service) granted either through MISO's Generation Interconnection Procedures or through a market transition deliverability test. The equation is shown below.

$$ICAP = \begin{cases} Total\ Interconnection\ Service,\ If\ GVTC > Total\ Interconnection\ Service \\ GVTC,\ If\ GVTC \leq Total\ Interconnection\ Service \end{cases}$$

Determine Total SAC:

The next step is to convert the resultant ICAP value into a Total SAC value by applying its seasonal forced outage rate (XEFORd).

A forced outage rate class average for each Season is used if the Planning Resource has a GVTC < 10 MW and has not submitted generator availability data or does not have sufficient generator availability data to calculate a forced outage rate specific to the Planning Resource. A

Planning Resource has sufficient generator availability data when it has a minimum of 12 months of generator availability data between September 1 and August 31 for the previous 3 years. The applicable class average for a Planning Resource is based on its unit size and type.

$$Total\ SAC = ICAP \times (1 - XEFOR_d)$$

If the Planning Resource has provisional Interconnection Service, then the Planning Resource will receive zero Interconnection Service and therefore the calculated Total SAC will be zero.

If the Planning Resource does not report historical outage data to GADS, its historical performance during seasonal peak hours should be provided to MISO through the Non-GADS Performance Template, which will leverage prior performance to establish seasonal GVTC values indicative of typical seasonal capabilities. In this case, XEFORd would not be used to reduce Total SAC. This process excludes Demand Response Resources.

Allocate Total SAC into NRIS SAC and ERIS SAC based on Interconnection Service:

The Resource's Total SAC is allocated into NRIS SAC and ERIS SAC based upon its type of Interconnection Service.

$$Total\ SAC = NRIS\ SAC + ERIS\ SAC$$

To the extent the Planning Resource has Network Resource Interconnection Service (NRIS) or was determined to be aggregate deliverable through the market transition deliverability test, then that quantity will be allocated first to calculate the NRIS SAC.

$$NRIS\ SAC = \begin{cases} ICAP * (1 - XEFORd), & If\ ICAP = NRIS \\ \big(Minimum\ of\ (NRIS, GVTC)\big) * (1 - XEFORd), & If\ ICAP > NRIS \end{cases}$$

The remaining balance of Total SAC is allocated to ERIS SAC (i.e. ERIS SAC = Total SAC – NRIS SAC.

$$ERIS\ SAC = \begin{cases} 0, & If\ ICAP = NRIS \\ Total\ SAC - NRIS\ SAC, & If\ ICAP > NRIS \end{cases}$$

Eligibility of NRIS SAC and ERIS SAC Conversion into seasonal Zonal Resource Credits

The NRIS SAC represents capacity in MW that is eligible to be converted into seasonal Zonal Resource Credits.

Effective ICAP

In determining the amount of ERIS SAC eligible for conversion into seasonal ZRCs, the deliverability of any ERIS must be determined prior to ERIS SAC conversion. ERIS must be paired with firm Transmission Service that covers the entire Season to be considered deliverable. NRIS is automatically considered deliverable and does not require an additional Transmission Service Request. The full amount of ERIS SAC can be converted to ZRCs if the resource is fully deliverable to its ICAP amount.

Total SAC which can be converted into seasonal ZRCs are the summation of the Planning Resource's NRIS SAC plus the lesser of the resource's ERIS with firm Transmission Service.

$$Total\ SAC\ Eligible\ for\ ZRC\ Convsersion\ = (NRIS\ SAC) + (ERIS\ SAC\ with\ TSR)^{*}$$

*Amount of TSR needed is dependent on ICAP amount

Ex	Size	NRIS	SAC	Total IS	GVTC	ICAP	Total SAC	NRIS SAC	ERIS SAC	TSR	ZRC
1	100	**100**	0	100	100	**100**	**75.0**	75.0	0.0	0.0	**75.0**
2	100	**50**	50	100	100	**100**	**75.0**	37.5	37.5	50.0	**75.0**
3	100	**50**	50	100	75	**75**	**56.3**	37.5	18.8	25.0	**56.3**
4	100	**0**	100	100	100	**100**	**75.0**	0.0	75.0	100.0	**75.0**

Examples for Illustrative Purposes

In example 3 above, a 100 MW Resource with 50 MW NRIS and 50 MW ERIS submitted a GVTC value at 75.

The ICAP will be 75 MW because the GVTC is less than the Interconnection Service of 100 MW.

Since the 50 MW NRIS is less than the Resource's ICAP, the Total SAC value of 56.3 MW of the Resource is not fully allocatable to NRIS SAC.NRIS SAC in example 3 was determined to be 37.5 MW. The remaining Total SAC minus the NRIS SAC is allocated into the resource's ERIS SAC. Thus, ERIS SAC level is 56.3 MW – 37.5 MW = 18.8 MW.

The resource would be credited with 56.3 MW of Total SAC which is comprised of 37.5 MW NRIS SAC + 18.8 MW ERIS SAC with firm Transmission Service for the corresponding seasonal PRA.

The resource was able to convert its entire Total SAC into seasonal ZRCs because the resource obtained full deliverability up to its ICAP, where 50 MW of NRIS plus 25 MW of firm Transmission Service is equal to its ICAP of 75 MW.

H.2 SAC calculation for a GADS-reporting External Resource that qualified as a Capacity Resource

The External Resource Capacity Resource SAC calculation is based on its seasonal GVTC and seasonal forced outage rate (XEFORd). The ERIS SAC is calculated by applying its seasonal XEFORd to its seasonal GVTC.

$$ERIS\ SAC = GVTC \times (1 - XEFOR_d)$$

A seasonal forced outage rate class average is used if the Capacity Resource has a GVTC < 10 MW and has not submitted generator availability data or does not have sufficient generator availability data to calculate a Planning Resource specific forced outage rate. A Planning Resource has sufficient generator availability data when it has a minimum of 12 months of generator availability data between September 1 and August 31 for the previous 3 years. The applicable class average for a Planning Resource is based on its unit size and type.

The ERIS SAC represents the capacity in MW that are eligible to be converted into seasonal Zonal Resource Credits with valid transmission service.

H.3 SAC calculation for a Planning Resource that is classified as Intermittent Generation and Dispatchable Intermittent Resources

For resources that don't report outage data to GADS, MISO calculates the Total SAC based on the past historical season-specific output assessing either the median for Run-of-River Hydro or

average for all other intermittent resources that are not wind resources. The calculation requires a minimum of 30 consecutive seasonal days of output for a unique seasonal accreditation value. If that is not available, a class average seasonal accreditation value will be applied to the nameplate of the resource. A capacity factor adjusted by the resource's deliverability is applied to the resource's Total SAC to determine the amount of Total SAC eligible to be converted into seasonal ZRCs.

For wind resources, MISO produces an annual wind capacity credit study for every Season in the upcoming Planning Year using the Effective Load Carrying Capability (ELCC) methodology, as described in Appendix A, to determine a fleet-wide SAC value to be allocated across all in-front-of-the-meter wind resources in that Season. Deterministic allocation of the total fleet-wide wind SAC across the studied wind resources is dependent on the reliability value of the entire wind fleet (as determined through probabilistic modeling) at the aggregate level and the historical performance history of the wind resources at the unit level during specific historical MISO system Coincident Peak Demand hours.

A capacity factor adjusted by the resource's deliverability is applied to the resource's Total SAC to determine the amount of Total SAC eligible to be converted into seasonal ZRCs.

BTMG wind Resource owners are required to submit the historical performance history of their BTMG wind Resources during specific historical MISO system Coincident Peak Demand hours for the purpose of accrediting these resources with a SAC value based on their performance during periods of MISO system seasonal peak Demand for the three prior applicable years for each Season. This results in resource-specific SAC values for each BTMG wind Resource in operation.

> *BTMG Wind SAC = [capacity factor over the 8 seasonal peaks over the past 3 years] * [k] * [ICAP]*
>
> *Where k = [seasonal MISO Fleet ELCC] / Sum of [Fleet ICAP * PKmetric] (see BPM-011 Appendix A)*

New wind Resources that do not yet have historical performance history for an entire Season would receive the class average wind capacity credit for that Season (as determined by the Wind and Solar Capacity Credit study produced every year) applied to the wind Resource's ICAP to derive an appropriate Total SAC value. Please reference Appendix A for more details regarding the accreditation procedure for wind Resources.

The amount of SAC eligible to be converted into seasonal Zonal Resource Credits will be based on the application of a deliverability-adjusted capacity factor.

H.3.1 Intermittent Generation and Dispatchable Intermittent Resources with a Point of Interconnection on MISO's Transmission System

The following sections establish how SAC values (NRIS SAC and ERIS SAC) are determined for Intermittent Generation and Dispatchable Intermittent Resources that have a Point of Interconnection on MISO's Transmission System to account for resource performance and deliverability.

H.3.1.1 Planning Year SAC Calculation for Wind Resources

The first step is to determine the total installed capacity of the wind Planning Resource, which is the Installed Capacity (ICAP). It is equal to the lesser of its seasonal GVTC (Registered maximum output in the Commercial Model) or its total volume of Interconnection Service (Network Resource and Energy Resource Interconnection Service) granted either through MISO's Generation Interconnection Procedures or through a market transition deliverability test.

The next step is to determine the resource's total SAC. MISO determines a unit-specific seasonal wind capacity credit, by CPNode, for each Planning Resource that is fueled by wind by allocating the total fleet-wide seasonal ELCC capacity. The wind capacity credit is determined by applying the larger of two allocation methodologies, as noted in Appendix A:

- one method which includes (adds back in) megawatts for wind resources that were curtailed (applies to DIR wind resources only)
- a second method excludes (does not add back in) those same curtailed megawatts

The larger of the two results becomes the individual resource's Total SAC.

$$Total\ \ SAC = GVTC \times (Wind\ Capacity\ Credit_{CPNode})$$

Determining Convertible SAC based on a Deliverability Adjusted Capacity Factor

The next step is to determine how much of the total SAC is eligible to be converted into seasonal ZRCs.

The total SAC for a wind resource is distributed into two categories for the purpose of determining the amount of Capacity eligible for conversion into seasonal ZRCs, either convertible SAC or undeliverable ERIS SAC.

To calculate convertible SAC, which is eligible to be converted into seasonal ZRCs, a Deliverability Adjusted Capacity Factor is first applied. The Deliverability Adjusted Capacity Factor uses historical seasonal peak observances of an intermittent resource and is calculated by 'capping' historical intermittent output during seasonal peak load observances to the resource's demonstrated deliverable amount divided by the resource's ICAP. Whereas a peak performance capacity factor also uses the same historical seasonal peak observances divided by the resource's ICAP but does not cap those observances.

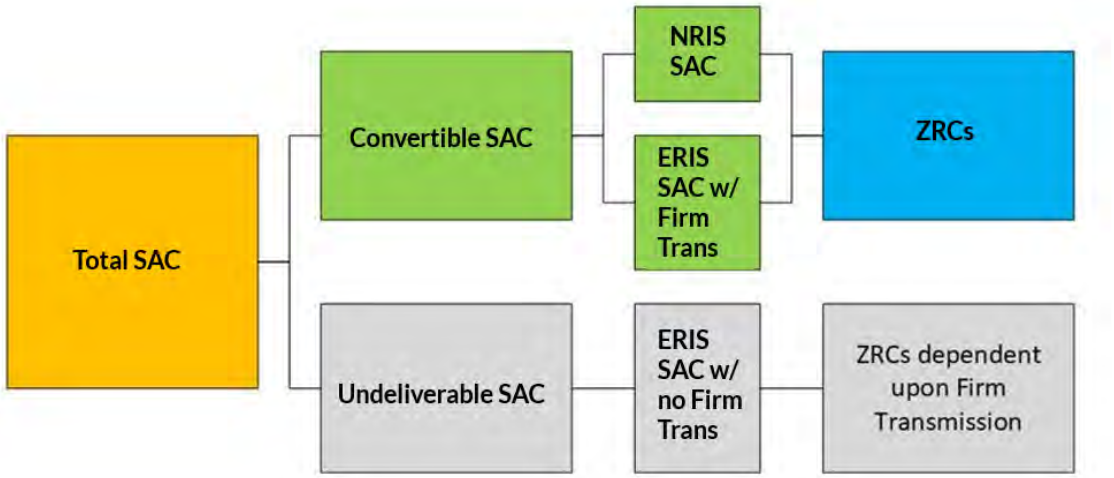
Formula for determining Convertible SAC

$$Convertible\ SAC = Total\ \ SAC * \frac{Deliverability\ Adjusted\ Capacity\ Factor}{Peak\ Capacity\ Factor}$$

The remaining Total SAC that is left after calculating Convertible SAC is considered the undeliverable ERIS SAC.

$$ERIS\ SAC = \begin{Bmatrix} 0, Total\ Interconnection\ SAC = \ Convertible\ SAC \\ Total\ Interconnection\ SAC - Convertible\ SAC, Total\ Interconnection\ SAC > Convertible\ SAC \end{Bmatrix}$$

Optionally, the classified undeliverable ERIS SAC can become eligible to be converted into seasonal ZRCs by procuring firm Transmission Service.

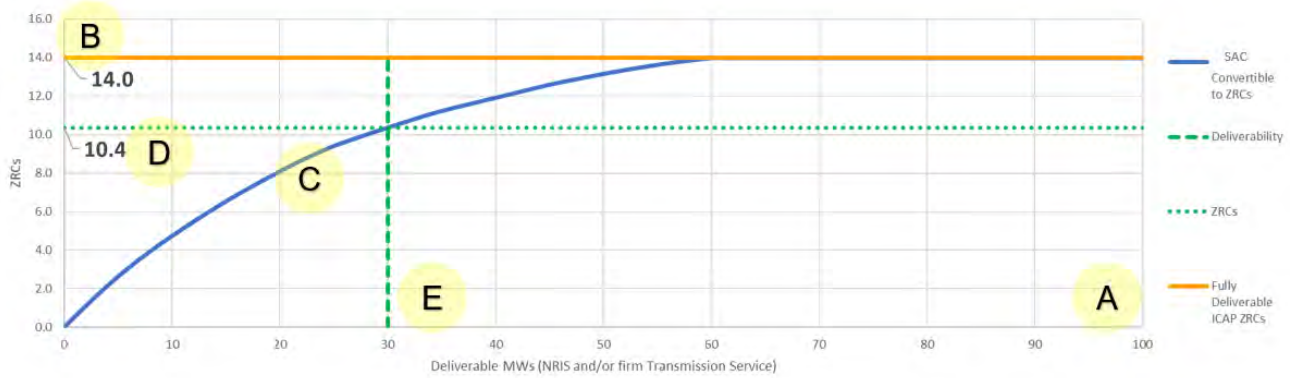


Converting ERIS SAC to Convertible SAC using the Resource's Deliverability Adjusted Historical Performance

ERIS SAC is not generally convertible to seasonal ZRCs at a one-to-one MW ratio. Each resource will have unique conversion data generated based on its past seasonal performance and deliverability which indicates the level of firm Transmission Service necessary to be obtained to gain a given level of seasonal ZRCs.

An example and further explanation is shown in the figure below:

ZRC Deliverability Curve Chart



Where:

A: Equals the maximum output of resource (RMax). In this example, this resource is 100 MW.

B: Total SAC, or SAC (Max) that can potentially be converted into seasonal ZRCs. This also represents the share of the total fleet-wide seasonal ELCC capacity. This value is based on the size and performance of the resource.

C: This is the Convertible SAC function which is the resource's Total SAC multiplied by the ratio of its Deliverability Adjusted Capacity Factor divided by its Peak Capacity Factor. Convertible SAC varies depending on the amount of Deliverability of the resource.

D: This is the resulting Convertible SAC value for a corresponding Deliverable amount in MW.

E: This is the amount of Deliverable MWs, or Deliverability. The point at which E intersects C provides the amount of seasonal ZRCs the Market Participant would obtain based on the size, performance, and deliverability of the resource.

H.3.1.2 Non-wind Intermittent Generation and Dispatchable Intermittent Resources

The first step is to determine the Total Installed Capacity that the Planning Resource can reliably provide, which is the Installed Capacity (ICAP). It is equal to the lesser of its GVTC, or its total volume of Interconnection Service (Network Resource and Energy Resource Interconnection Service) granted either through MISO's Generation Interconnection Procedures or through a market transition deliverability test.

The next step is to allocate the Total SAC based upon its type of Interconnection Service. To the extent the Planning Resource has Network Resource Interconnection Service (NRIS) or was determined to be deliverable through the market transition deliverability test then that quantity will be allocated first to NRIS SAC. The remaining Total SAC will then be allocated to ERIS. If the Planning Resource has provisional Interconnection Service, then the Planning Resource will receive zero Interconnection Service and therefore the calculated SAC will be zero.

$$NRIS\ SAC = \begin{cases} Total\ SAC, & Total\ SAC \leq NRIS \\ NRIS, & Total\ SAC > NRIS \end{cases}$$

$$ERIS\ SAC = \begin{cases} 0, & Total\ SAC \leq NRIS \\ Total\ SAC - NRIS, & Total\ SAC > NRIS \end{cases}$$

Determining Convertible SAC based on a Deliverability Adjusted Capacity Factor

The total SAC for an intermittent non-wind resource is distributed into two categories for the purpose of determining the amount of Capacity eligible for conversion into seasonal ZRCs. This would be considered Convertible SAC, either NRIS SAC or ERIS SAC coupled with firm Transmission, or undeliverable ERIS SAC (no associated firm Transmission).

To calculate convertible SAC, which is eligible to be converted into seasonal ZRCs, a Deliverability Adjusted Capacity Factor is first applied. The Deliverability Adjusted Capacity Factor uses historical summer peak observances of an intermittent non-wind resource and is calculated by 'capping' historical intermittent output during peak load observances to the

resource's demonstrated deliverable amount divided by the resource's ICAP. (See Appendix V for examples)

H.3.2 Intermittent Generation and Dispatchable Intermittent Resources that does not have Point of Interconnection on MISO's Transmission System

The following sections apply to Intermittent Generation and Dispatchable Intermittent Resources that do not have a Point of Interconnection on MISO's Transmission System. The ERIS SAC represents the capacity in MWs that are eligible to be converted into seasonal ZRCs.

Appendix I – XEFORd Calculation

XEFORd is equivalent forced outage rate Demand excluding events outside of management control (OMC). XEFORd will be calculated on a seasonal basis. A description and list of the MISO OMC events can be found in Appendix B. The MISO equation is:

$$\frac{(FOHd + EFDHd)}{(FOHd + SH + Synch\ Hours)} * 100\%$$

where:

SH = service hours
Synch Hours = synchronous hours
RSH = reserve shutdown hours

FOH_d = forced outage hours Demand = f_f x FOH
f_f = full forced outage Demand factor = $\frac{(\frac{1}{r}+\frac{1}{T})}{(\frac{1}{r}+\frac{1}{T}+\frac{1}{D})}$
r = average forced outage duration = (FOH)/(# of FO occurrences)
D = average Demand time = (SH + Synch Hours)/(# of unit actual starts)
T = average reserve shutdown time = (RSH)/(# of unit attempted starts)
FOH = forced outage hours

$EFDH_d$ = (f_p x EFDH)
AH = available hours
f_p = partial forced outage Demand factor = (SH + Synch Hours)/AH
EFDH = equivalent forced derated hours

Special cases are evaluated in the following order:

If reserve hours < 1, then f_f =1,
then if (SH + Synch hours) = 0, then f_f = 1,
then if (1/r + 1/T + 1/D) = 0, then f_f = 0,
then if # of FO occurrences = 0 or FOH = 0, then 1/r = 0,
then if RSH = 0 or # of unit attempted starts = 0, then 1/T = 0,
then if # of unit actual starts = 0 or (SH + Synch Hours) = 0, then 1/D = 0,
then if (SH + RSH + Synch Hours) = 0, then f_p = 0,
then if ((FOHd + SH + Synch Hours) = 0, then EFORd = 0

SH, RSH and Synch Hours are reported through the MISO Market Portal in the PowerGADS application by the users in their Performance data. The rest of the statistics are calculated by PowerGADS based on the user submitted Event data. Forced outage rates for each unit can be found in the Generator Outage Rate Program (GORP) report. The statistics used in calculating forced outage rates can be found in the Statistics Report, Performance Report, and the Seasonal XEFORd Report.

The MISO calculation is based on the EFORd equation defined in the NERC Generating Availability Data System Data Reporting Instructions Appendix and the IEEE Standard No. 762-2006 Standard *Definitions for Use in Reporting Electric Generating Unit Reliability, Availability and Productivity*. The MISO XEFORd calculation differs as follows:

- The NERC and IEEE EFDH formula is (Derated Hours * Size of Reduction)/Net Max Capacity while the MISO formula uses net dependable capacity rather than net max capacity and is (Derated Hours * Size of the Reduction)/Net Dependable Capacity. The size of the reduction is the Net Dependable Capacity minus the Net Available Capacity.
- MISO also includes synchronous hours in the XEFORd, average Demand time (D), and the partial Demand factor (f_p) calculations while NERC and IEEE do not.

Example XEFORd Calculations

Raw Data									
Unit	SH	Synch Hours	RSH	AH	Actual Starts	Attempted Starts	EFDH	FOH	FO Events
1	4,856	0	2,063	6,919	34	34	146.99	773	12
2	4,556	0	1,963	6,519	31	31	110.51	407	5
3	3,942	132	3,694	7,768	36	36	19.92	504	11
4	6,460	0	516	6,976	17	18	131.03	340	14
5	6,904	0	62	6,966	16	16	35.81	138	12

Calculated Values								
Unit	**1/r**	**1/T**	**1/D**	**f_f**	**FOHd**	**f_p**	**EFDHd**	**XEFORd**
1	0.0155	0.0165	0.0070	0.8205	634.25	0.7018	103.16	13.43%
2	0.0123	0.0158	0.0068	0.8049	327.61	0.6989	77.23	8.29%
3	0.0218	0.0097	0.0088	0.7813	393.78	0.5245	10.45	9.05%
4	0.0412	0.0349	0.0026	0.9666	328.63	0.9260	121.34	6.63%
5	0.0870	0.2581	0.0023	0.9933	137.08	0.9911	35.49	2.45%

Unit 3 Example XEFORd Calculation Detail

r = average forced outage duration = $\frac{FOH}{FO\ events} = \frac{504}{11} =$ 45.82 hours, then 1/r = 0.0218

T = Average reserve shutdown time = $\frac{RSH}{attempted\ starts} = \frac{3694}{36}$ = 102.61 hours, then 1/T = 0.0097

D = average Demand time = $\frac{(SH+synch\ hours)}{actual\ starts} = \frac{3942+132}{36} = 113.17$ hours, then 1/D = 0.0088

f_f = full forced outage Demand factor = $\frac{(\frac{1}{r}+\frac{1}{T})}{(\frac{1}{r}+\frac{1}{T}+\frac{1}{D})} = \frac{(0.0218+0.0097)}{(0.0218+0.0097+0.0088)} = 0.7816$

FOHd = forced outage hours Demand = f_f x FOH = 0.7813 x 504 = 393.78 hours

f_p = partial forced outage Demand factor = $\frac{(SH+synchhours)}{AH} = \frac{(3942+132)}{7768}$ = 0.5245

EFDH = fp x EFDH = 0.5245 x 19.92 = 10.45 hours

XEFORd = $\frac{(FOHd+EFDHd)}{(FOHd+SH+synch\ hours)} * 100 = \frac{(393.78+10.45)}{(393.78+3942+132)} * 100 = 9.05\%$

Units with 12 or more consecutive months of actual data: The XEFORd of a unit in service twelve or more full calendar months prior to the calculation month will be based on the number of consecutive months that that unit has data for up to 36 months.

Units with less than 12 consecutive months of actual data: The XEFORd of a unit in service less than twelve full calendar months shall be determined by the class average rate for units of the same type and within the same range of capability. A unit will use the class average value until 12 consecutive months of data is obtained and a new Planning Year begins. The class average will be the 5-year forced outage rate from the latest Loss of Load Expectation (LOLE) Study.

Units with Low Service Hours

Units with an average of less than 20 service hours per Season and attempted starts greater than zero will have their service hours adjusted if the unit has at least 12 consecutive seasonal months of GADS data. The adjusted service hours will be based on 60 service hours (20 service hours x 3 Seasons) or a fraction of 60 if there is less than 9 consecutive seasonal months of GADS data. This adjustment will be performed in the MECT. The calculation for the adjustment is as follows:

MO = consecutive seasonal months in operation
If SH = Service Hours < (MO/9*60) and attempted starts is greater than zero, then

SH' = seasonal adjusted low service hours = $\left[\left(\frac{actual\ starts}{atempted\ starts}\right) * \left(\frac{MO}{9} * 60 - SH\right)\right] + SH$

External Resources

Market Participants are responsible for making sure that GADS data is submitted for the External Resources that they are seeking qualification as ZRCs. The Market Participant can submit this data to MISO's GADS tool for the external resource or they can have the external resource submit the data. If an external resource is going to submit the GADS data, then they must receive access to the MISO Market Portal through their Local Security Administrator. If an External Resource does not have a Local Security Administrator, then it is the Market Participant's responsibility to receive and submit this data for the External Resource.

Catastrophic Outages

Catastrophic Outages are defined as forced outages that result in a unit being unavailable for a minimum of six (6) continuous months. A catastrophic outage may be a forced full or partial (forced derating) outage. A scheduled outage (planned, planned extension, maintenance, or maintenance extension) cannot be a catastrophic outage. For an outage to be considered catastrophic, the MP must notify the MISO Resource Adequacy team in writing within 75 days of determining the outage is a Catastrophic Outage, including a description of the Catastrophic Outage, start date of outage, expected return date, etc.

If the MP chooses not to replace a Planning Resource that suffers a Catastrophic Outage, then the XEFORd will be based on actual GADS data.

If the MP chooses to replace a Planning Resource that suffers a Catastrophic Outage, the XEFORd will be based on class average when the unit returns to service. The class average value will be used until 12 consecutive months of data is obtained and a new Planning Year begins.

> Resource replacement must be completed within 75 days of catastrophic outage.
> Resource replacement must be in accordance with section 6.4 of this BPM.
> Once the unit returns from Catastrophic Outage, Planning Resource qualification requirements still apply. Partial replacements are allowed.

If the outage is a forced derate with total or partial replacement, or a full forced outage with partial replacement, the resources XEFORd upon returning to service will be the class average for the portion of the resource replaced and the actual XEFORd for the remainder of the unit. A blended XEFORd will be calculated by MW weighting the class average and actual XEFORd values.

For Schedule 53 resources that experience a catastrophic outage and replaced the ZRCs accordingly during the time the resource was unavailable, the time it is out will be considered non-RAR and would not be counted in the SAC calculation consistent with ZRC replacement section of this BPM and Appendix Y. In situations where this leads the resource to have less than 60 days of RAR performance history during the 3-year lookback period, the Schedule 53 resource would be granted Schedule 53 class averages for the impacted seasons.

Fleet Weighted Average Forced Outage Rates

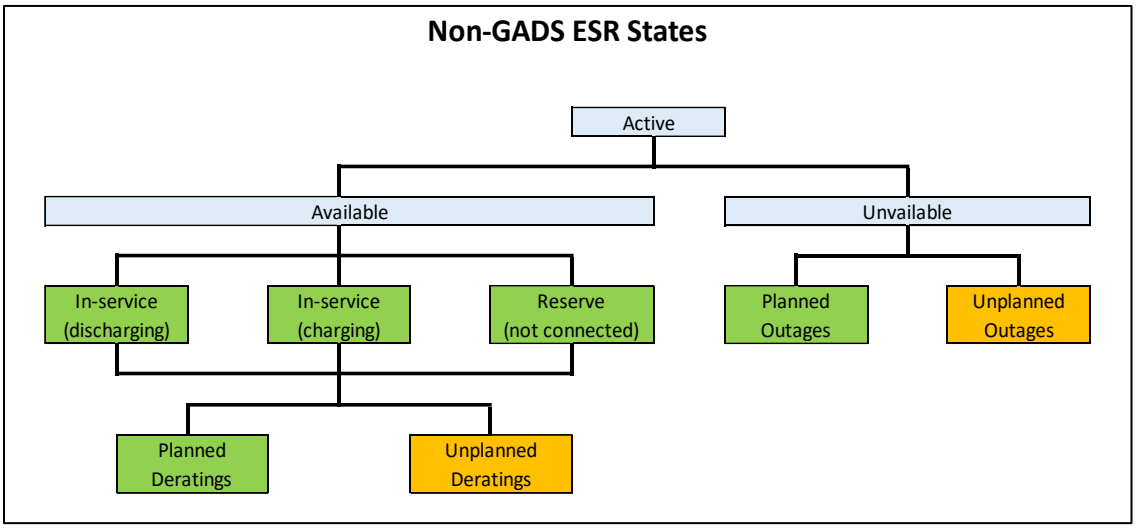
External Resources may participate using a fleet of resources. A weighted average forced outage rate is calculated using the individual unit forced outage rates and GVTC values. The resulting rate is applied to the total fleet GVTC to determine the fleet UCAP. See Appendix Q for more information regarding the Fleet XEFORd Calculation.

XEFORd for Non-GADS Electric Storage Resources (ESR)

The XEFORd for a non-GADS ESR is its Forced Unavailability and will be determined as follows.

A non-GADS ESR is forced unavailable when it is in an unplanned outage or an unplanned derating (see oranges boxes). All other states are unforced availability and include in-service

(discharging or charging), reserve (not connected), planned outages, or planned deratings (see green boxes).



An available resource that is not derated is 100% available. If a resources availability changes during an hour, the Forced Availability should be pro-rated. For example, if a 10 MW resource experiences a 23-minute Unplanned Outage during the hour, its equivalent Forced Unavailability would be (23 min/60 min) * 10 MW = 3.8 MW or 38%. Similarly, for an Unplanned Derating of 2.4 MW for 47 minutes of the hour the equivalent Forced Unavailability would be (47 min/60 min) * 2.4 MW = 1.9 MW or 19%.

Examples for a 10 MW resource	Unforced Availability (MW)	Forced Unavailability (MW)	Unforced Availability (%)	Forced Unavailability (%)
The resource is 100% available and in-service discharging	10.0	0.0	100.0%	0.0%
The resource is 100% available and charging	10.0	0.0	100.0%	0.0%
The resource is 100% available and in reserve not discharging	10.0	0.0	100.0%	0.0%
A portion of the resource is unavailable due to a planned derating and the remainder is available	10.0	0.0	100.0%	0.0%
4 MW of the resource is unavailable due to an unplanned derating and 6 MW is available	6.0	4.0	60.0%	40.0%
4.5 MW of the resource is unavailable due to a planned derating and 5.5 MW is unavailable due to an unplanned	4.5	5.5	45.0%	55.0%
The resource is unavailable due to a planned outage	10.0	0.0	100.0%	0.0%
The resource is unavailable due to a unplanned outage	0.0	10.0	0.0%	100.0%
23 minutes unplanned outage	6.2	3.8	62.0%	38.0%
2.4 MW unplanned derate for 47 minutes	8.1	1.9	81.0%	19.0%

Additional information:

- Pumped Storage Resources submit their availability and GVTC data through the MISO PowerGADS application.
- All other ESR types must submit their availability and GVTC (Hourly Equivalent Discharge Amount) data using the Non-GADS Performance template.
    - The template provides the 8 MISO coincident peak hours per Season for the last three years.
    - The average of these 24 seasonal unforced availability values is divided by the Hourly Equivalent Discharge Amount (MW) to calculate a seasonal unavailability factor.
    - Market Participants with less than 8 availability values in a Season will be given the default unavailability factor.
- Availability Reporting is optional for resources less than 10 MW. Resources that choose not to report, will be given the default unavailability factor. Once a resource chooses to report for the first time, they will be required to report every year thereafter.

Appendix J – GVTC Testing Requirements

J.1 Overview

All Generation Resources, External Resources, Behind the Meter Generation (BTMG) and Demand Response Resources backed by BTMG that intend to qualify as a Planning Resource are required to perform a real power test or provide past operational data. This test, or past operational data, shall be used to determine a planning resource's GVTC value. GVTC data is submitted through the MISO Market Portal into MISO PowerGADS.

Each seasonal corrected net test capability is the gross output (MW) that a planning resource can sustain averaged over the test period, if there are no equipment, operating, or regulatory restrictions, less station service and process load served, corrected to MISO coincident seasonal peak conditions.

			(A)	(B)	(C)	(D)= (A)-(B)-(C)	(E)	(F)	(G)	(H)= (D)+(E)+(F)+(G)
NERC Unit Type		Example Unit	Gross (MW)	Station Service (MW)	Process Load Served (MW)	Net Test Capacity (MW)	Air Temperature Correction (MW)	Relative Humidity Correction (MW)	Cooling Water Temperature Correction (MW)	Net Corrected (MW)
Combined Cycle	CC	CT1	95.0	1.0	0.0	94.0	-15.0	-0.1	N/A	78.9
Combined Cycle	CC	ST1	300.0	15.0	0.0	285.0	N/A	N/A	-1.0	284.0
Combined Cycle	CC	Unit 4	250.0	5.0	100.0	145.0	-3.5	-0.1	-0.5	140.9
Combustion Turbine	CT	CT3	50.0	0.1	0.0	49.9	3.0	0.1	N/A	53.0
Diesel	DS	Diesel 5	2.5	0.0	0.0	2.5	N/A	N/A	N/A	2.5
Fluidized Bed Combustion	FB	Unit 4	200.0	10.0	0.0	190.0	N/A	N/A	-2.0	188.0
Hydro	HD	Hydro 12	10.0	0.0	0.0	10.0	N/A	N/A	N/A	10.0
Nuclear	NU	Unit 1	1,000.0	50.0	0.0	950.0	N/A	N/A	-1.5	948.5
Pumped Storage	PS	Unit 5	300.0	1.0	0.0	299.0	N/A	N/A	N/A	299.0
Fossil Steam	ST	Unit 2	600.0	30.0	0.0	570.0	N/A	N/A	-3.0	567.0

GVTC Table J.1 – Examples of net corrected net test capability for different unit types. **Examples may not be representative of your situation. If you have unit specific questions, please contact Resource Adequacy.

If a Planning Resource fails to perform a real power test and report the test data to MISO's PowerGADS byOctober 31 prior to the start of the planning year t, it will result in the Planning Resource not qualifying as a Planning Resource and will receive zero SAC MWs for the upcoming Planning Year.

J.1.1 Test Period and Reporting Deadline

The real power test shall be performed between September 1 and August 31 prior to the upcoming planning year. The test data shall be submitted no later than October 31.

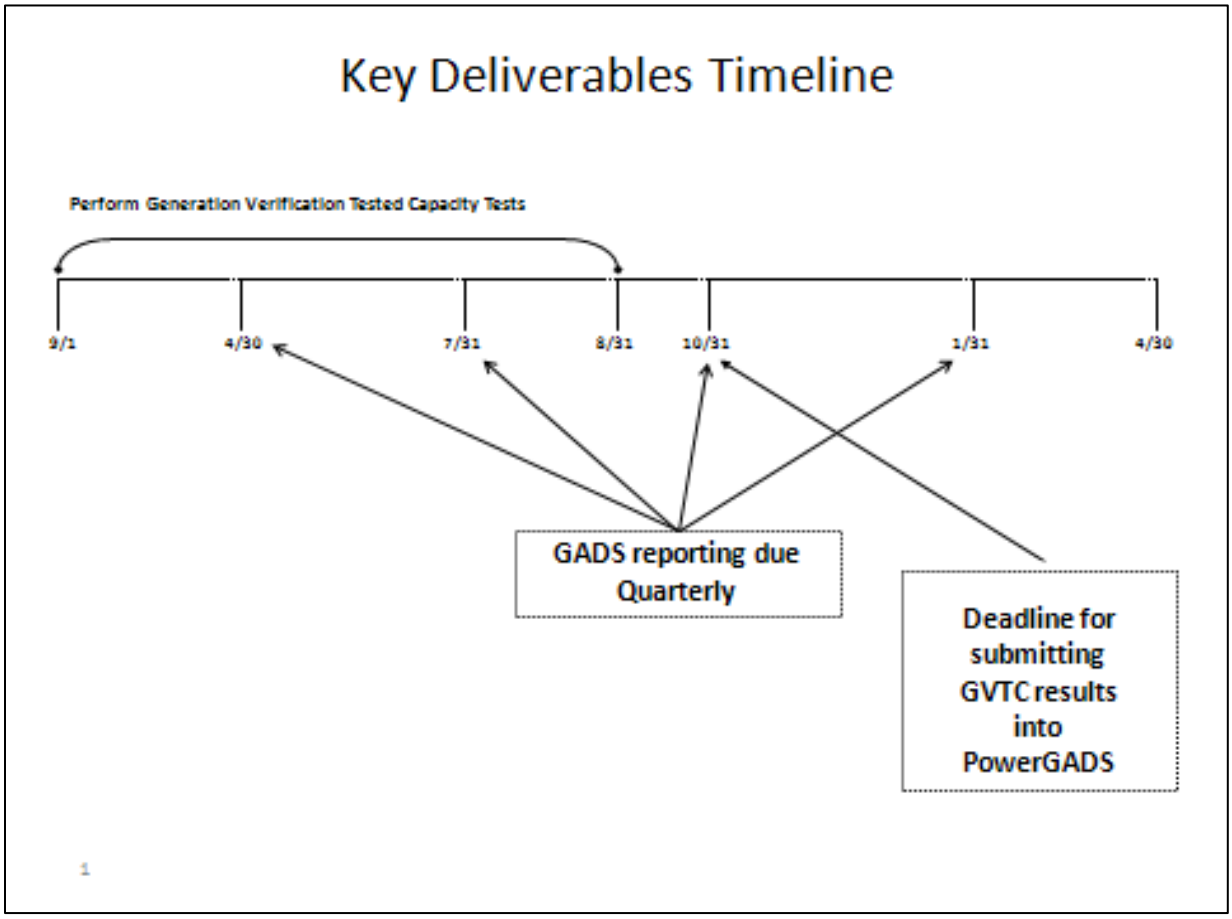
Example: For the 2023-2024 planning year (June 1, 2023 through May 31, 2024), the test must be conducted between September 1, 2021 and August 31, 2022, and submitted no later than October 31, 2022 to qualify as a Planning Resource for the upcoming Planning Year.

J.2 When to Perform and Submit a Generation Verification Test Capacity

Generation Resources, External Resources, Demand Response Resources backed by behind the meter generation, or Behind the Meter Generation that qualified as Planning Resources for the current Planning Year shall submit their GVTC no later than October 31 to qualify as a Planning Resource for the upcoming Planning Year. A real power test shall be performed, or past operational data may be used, during the period between September 1 and August 31 prior to the upcoming Planning Year. In addition to performing and submitting GVTC data to qualify as a planning resource for the annual capacity auction, a planning resource must conduct a test and submit data when:

- a modification that changes, increases, or decreases, the rated capacity of a unit is completed,
- returning from a suspension,
- returning to MISO after an absence including but not limited to, catastrophic events,
- not qualifying as a Planning Resource under Module E-1
- being qualified as a Planning Resource for the first time
- or for a Planning Resources in an approved “Suspension” status.

If a Planning Resource is unable to complete a real power test, the responsible MP must include the timing and cost requirements to complete a test when requesting a facility specific reference level.



J.3 Corrections to Establish GVTC

The GVTC shall be corrected to the average conditions of the date and times of MISO's four seasonal coincident Peaks, measured at or near the generator's location, for the last 5 years. MISO publishes the date and time of the past 5 seasonal coincident Peaks. When local weather records are not available at the plant site, the values shall be determined from the best data available (i.e., local weather service, local airports, river authority, etc.).

The corrections required to establish the GVTC of a unit include, as appropriate for each electric generating technology, dry air temperature, relative humidity, cooling water temperature, fuels, steam heating loads, reservoir level, nuclear fuel management programs and scheduled reservoir discharge.

J.3.1 Process Load Reporting in MISO PowerGADS to Establish GVTC

The Generator Owner shall forecast the maximum process load (PL) expected to be present at the time of the upcoming MISO seasonal peaks. MISO publishes the date and time of past coincident seasonal peaks as a reference for predicting the PL that is forecasted to be present at the time of the upcoming MISO peaks.

For calculating GVTC, the PL being forecasted and reported by the Generator Owner is allocated to the underlying generating unit of the Planning Resource and deducted from a unit's gross MW unless provisions are in place to curtail the load in the event of a MISO Capacity Emergency, or for electric load, is included in an LSE forecast. If such provisions for curtailment are in place or, for electric load, it is included in an LSE forecast, the PL is non-firm for the purpose of calculating GVTC.

Process Load can be electric load or thermal load in the case of a Combined Heat and Power (CHP) facility. Thermal PL is converted to units of MW by determining the reduction of power output caused by serving that load. Thermal loads can be PL because steam that would have otherwise been used to drive turbines to produce electricity may have been diverted to support process load, thus reducing the electrical capacity of the overall plant relative to the MISO system.

Thermal load that causes an increase in power output, as served from a back-pressure turbine for example, is not a PL for these purposes. However, the GVTC test should be performed or corrected for conditions that are a conservative expectation of the amount of thermal load that would be present coincident with MISO peak load conditions.

PL can be firm or non-firm. The following criteria should be applied to determine whether the PL is firm or non-firm:

- PL is firm if it continues to exist when one or more of the underlying generating units of the Planning Resource are derated or out of service. Such firm PL would be served by one or more of the underlying generating units of the Planning Resources at the same location or from the MISO system.
- PL is non-firm if it does not continue when the underlying generating unit of the Planning Resource is out of service.
- To the extent that PL that continues to exist when the underlying generating unit of the Planning Resource is out of service is served by resources that are not Planning Resources, such as auxiliary boilers, that portion of the PL is non-firm.

The amount of firm PL will be adjusted by multiplying by (1+PRM) and dividing by (1-XEFORd). The sum of the firm and non-firm PL will be reported in PowerGADS.

PL = (adjusted firm PL) + (non-firm PL)

Adjusted firm PL = firm PL * (1 + PRM) / (1 - XEFORd)

PL calculations are performed outside of PowerGADS and the MECT. PL is only deducted from an underlying generating unit of the Planning Resource's gross MWs one time. PL is part of the GVTC calculation that is entered into PowerGADS. MISO performs a PowerGADS integration that retrieves the GVTC value from the PowerGADS data base and populates the MECT. A Planning Resource may be comprised of one or more underlying PowerGADS units.

The UCAP PRM is from the most recent LOLE Study Report. The XEFORd is the appropriate value for the 36-months ending on August 31 proceeding the planning year, which can be found in PowerGADS.

J.4 Generation Verification Test Capacity During a Derate

A Market Participant that performs a GVTC when a unit has a documented derate in MISO PowerGADS can request MISO to adjust its GVTC if the documented derate in MISO PowerGADS lasted a minimum of 90 consecutive days prior to the test date and generator availability data has been reported to MISO prior to any adjustments to the GVTC. The Market Participant shall contact MISO's Resource Adequacy Department for a review of its request.

J.4.1 Interconnection Service Limitations

All Planning Resources GVTC are subject to Interconnection Service limitations to the bus to which the facility is currently or about to be connected to as verified by the Transmission Service Planning Department of MISO.

J.5 GVTC Real Power Test Requirements by NERC Unit Type

J.5.1 Fossil Steam (FS), Fluidized Bed Combustion (FB), and Nuclear (NU)

The test shall be at least two (2) continuous hours and data shall be averaged over the test period.

The impact of the observed steam turbine exhaust pressure will be corrected to the past five years average rated daily maximum circulating water temperature measured at the unit location, at the date and time of MISO's coincident peaks.

J.5.2 Combined Cycle (CC)

The determination of the GVTC of a combined-cycle unit will depend on the structure of the unit and its components. The steam turbine and combustion turbine(s) shall adhere to the guidelines in this manual. In the case of thermally dependent components the determination of the GVTC shall require the operation of both combustion and steam turbine components simultaneously. The output of the components can be netted to determine the combined-cycle unit GVTC.

The test shall be at least two (2) continuous hours and data shall be averaged over the test period.

For each Season, the impact of the observed steam turbine exhaust pressure will be corrected to the past five years average daily maximum circulating water temperature measured at the unit location on the day of MISO's Coincident Peak.

The impact of the observed ambient air temperature and relative humidity on combustion turbine performance will be corrected to the past five years average rated conditions experienced at the unit location measured at the date and time of MISO's Coincident Peaks. Where inlet cooling is used to reduce inlet air temperature, the temperature at the discharge of the inlet coolers shall be the basis for ambient temperature adjustment.

J.5.3 Miscellaneous (MS)

The test shall be at least two (2) continuous hours and data shall be averaged over the test period.

The test will be seasonally corrected per J.3 Corrections to Establish GVTC.

J.5.4 Combustion Turbine (CT)

The test shall be at least one (1) continuous hour and data shall be averaged over the test period.

The impact of observed dry air temperature and relative humidity on combustion turbine performance will be corrected, for each Season, to the past five years average rated conditions experienced at the unit location measured at the date and time of MISO's seasonal coincident

peaks. Where inlet cooling is used to reduce turbine inlet air temperature, the temperature at the discharge of the Inlet coolers shall be the basis for air temperature correction.

J.5.5 Hydro (HD) and Pumped Storage (PS)

The test shall be at least one (1) continuous hour and data shall be averaged over the test period.

The GVTC established for hydroelectric plants shall recognize the head available considering environmental, operational, and regulatory restrictions and ambient conditions such as forecasted reservoir levels or water flow conditions. The test capability shall be corrected to historic median head conditions as specified below.

The seasonal historic median head shall be determined as the median of all head measurements from the most recent five (5) years up to the most recent fifteen (15) years. If 15 years of historic data is not available for this period when the 15-year time period is chosen, or is no longer relevant due to environmental, operational, regulatory or other restrictions, all available relevant data shall be used and accumulated until the 15-year requirement is met. The hours ending 1500, 1600, and 1700 EST apply to all days of the Summer (June, July, August), Fall (September, October, November), and Spring (March, April, May). The hours ending 0900, 1000, 1900, and 2000 EST apply to all days of the Winter (December, January, February).

Once the number of years and methodology is chosen and submitted as GVTC requirements, the same number of years must be submitted in future GVTC data collection.

Each hydro unit shall be verified individually.

The entire hydro plant shall be verified if the sum of individual unit capabilities is greater than the total plant capability.

MISO PowerGADS does not accept seasonal corrections for Hydro and Pumped Storage resources. If a Generation Operator (GO) elects to submit seasonal corrections they can use the Hydro and Pumped Storage GVTC Corrections template which can be found at https://www.misoenergy.org/planning/resource-adequacy/#nt=/planningdoctype:RA%20Guides%20and%20References/raguidetype:GVTC. If a GO elects to submit seasonal corrections, they must submit a test in MISO PowerGADS and

the Hydro and Pumped Storage GVTC Corrections template to the MISO Help Center help.MISOEnergy.org.

J.5.6 Diesel (DS)

The test shall be at least one (1) continuous hour and data shall be averaged over the test period.

No corrections apply to this unit type.

J.5.7 Electric Storage Resources (ESR)

This section is for all ESR except Pumped Storage. For pumped storage see J.5.5.

The test shall be at least one (1) continuous hour and data shall be averaged over the test period. The test shall be conducted at the discharge rate that would be expected if the ESR were dispatched for four (4) continuous hours. The test results must be submitted in the Module E Capacity Tracking (MECT) tool (Planning Resources > Non-GADS Resource Registration) using the Non-GADS Performance Template posted on the MISO Website.

J.5.8 General Requirements

If a generating unit has not been in operation for five years, then as many years as the unit has been in operation shall be used. The GVTC for new generating units will be corrected based on estimated average daily maximum circulating water temperature measured at the date and time of MISO's Peaks.

The unit shall be operated with the regularly available type and quality of fuel.

The Station Service shall be representative of the conditions expected to occur during MISO's coincident peaks.

For facilities consisting of multiple units, shared station power and process load served shall be allocated to the individual units to compute unit net capability.

J.6 Reporting

The following information shall be reported to MISO's PowerGADS as described in MISO's *Net Capability Verification Test User Manual*. Certain data will be reported or calculated for each of the 4 Seasons – summer, fall, winter and spring.

CARD	Must be "90"
Utility	Required

Unit	Required
Year	Required
Test Index	Must be a "1"
REVISIONCODE	Must be "0" for initial upload, "R" to Revise, or "D" to Delete
Corrected Net - Seasonal	Calculated by PowerGADS
Test Start Date	Required
Test End Date	Required
Gross MW	Required
Station Service	Required
Process Load Served	Required
Net Test Capability	Required, Gross MW – Station Service – Process Load Served
Reactive Generation MVAR	Optional
Total Power MVA	Calculated by PowerGADS if Reactive Generation MVAR entered
Power Factor	Calculated by PowerGADS if Reactive Generation MVAR entered
Dry Air Temperature Observed - Seasonal	Required for certain unit types
Dry Air Temperature Rated - Seasonal	Required for certain unit types
Air Temperature Correction	Required, may be zero
Relative Humidity Observed - Seasonal	Required for certain unit types
Relative Humidity Rated - Seasonal	Required for certain unit types
Relative Humidity Correction	Required, may be zero
Cooling Water Temperature Observed - Seasonal	Required for certain unit types
Cooling Water Temperature Rated - Seasonal	Required for certain unit types
Cooling Water Temperature Correction	Required, may be zero
STANDARD	Must be "MISO"

Appendix K – Resource Adequacy Timeline for activities for the Planning Year 2025-2026

Please check for the latest online version posted on the Resource Adequacy webpage of MISO's corporate website.

Date	Process and Notes	Responsible Entity	Tariff Reference
Sep 01, 2024	Start Cost of New Entry (CONE) calculation in coordination with IMM.	MISO/IMM	69A.8(a)(3)
Sep 09, 2024	MISO to publish historical monthly and seasonal Coincident Peak Load hours and LRZ seasonal coincident factors.	MISO	69A.1.1.(c)
Oct 01, 2024	Last day to submit outage exemption related resolution requests regarding Schedule 53 resources through the MISO Help Center.	Resource Owner	
Oct 01, 2024	MISO opens the new Planning Year in the MECT for all 4 Seasons. (1st Business Day - October)	MISO	
Oct 01, 2024	Transmission losses by Local Balancing Authority are posted by MISO. (1st Business Day - October)	MISO	69A.1.1(b)
Oct 15, 2024	MISO posts RA hours to be used for accreditation calculation	MISO	
Oct 31, 2024	Generation Verification Test Capacity (GVTC) due. Resource Owners submit operational data or real power test for September 1 - August 31 period.	Resource Owner	69A.3.1.a, b, & c, 69A.3.6
Oct 31, 2024	Populated Non-GADS Performance Templates due in MECT.	Resource Owner	69A.3.1.a(1)(d)
Oct 31, 2024	Generator availability data due in GADS for resources required to report for Q3. Resource Owners must ensure at least 36 months of data is provided.	Resource Owner	69A.3.1.a(1)(c)
Nov 01, 2024	Seasonal Coincident and Non-Coincident Peak Demand forecasts by LSE/EDC, monthly peak Demand, seasonal peak Demand and energy-for-load forecast values by LSE due. No action needed by Retail Choice LSEs.	LSE, EDC	69A.1.1(a)
Nov 01, 2024	Loss of Load Expectation study results published by MISO.	MISO	68A.2 68A.4 68A.5

Date	Process and Notes	Responsible Entity	Tariff Reference
Nov 07, 2024	MP must request an extension from within 5 business days after October 31 deadline.	Resource Owner	69A.3.1.a, b, & c, 69A.3.6
Nov 15, 2024	Review list of units with conditional Interconnection Service for results of annual study. Units may have NRIS/ERIS balance re-allocated.	MISO	
Dec 01, 2024	For individual States establishing their own seasonal PRM, submission of written letter by authorized State regulatory authority representative notifying MISO.	State Regulatory Authority	68A.1
Dec 15, 2024	RBDC opt out adder % posted on MISO website	MISO	69A.9.1 (l)
Dec 15, 2024	Initial UCAP/ISAC ratio, initial Seasonal Capacity accreditation values and validation files are published by MISO.Resources that do not meet the October 31 deadline will have their initial capacity accreditation calculated using estimated capacity submitted along with GVTC extension requests. MP may begin submitting resolution requests though the MISO Help Center.	MISO	
Dec 15, 2024	PLC submissions by EDC due. EDC will send the details of the PLCs to the respective LSEs and to MISO for review. The EDC-provided PLC data will be the default value for the LSE's Retail Choice Coincident Peak.	Retail Choice EDCs	69A.1.1(e)
Dec 15, 2024	Last day for MPs to submit to March Network & Commercial Model changes to qualify for ICAP Deferral.	Resource Owner	
Jan 15, 2025	LSE submit initial RBDC Opt Out Plan in MECT, including its RERRA contact	LSE	69A.9.1 (c)
Jan 15, 2025	Generation Verification Test Capacity (GVTC) due for generators that requested an extension.	Resource Owner	69A.3.1.a, b, & c, 69A.3.6
Jan 15, 2025	LSEs confirm the seasonal Retail Choice PLC in the MECT. LSEs should have all PLC questions resolved by this date. If an LSE desires a change in their PLC value, the appropriate EDC should be contacted directly.	LSEs, Retail Choice EDC	69A.1.1.1
Jan 15, 2025	Evidence for seasonal HUC/ZDC hedges due.	LSE	69A.7.7(b)

Date	Process and Notes	Responsible Entity	Tariff Reference
Jan 20,2025	MISO notifies RERRA its regulating LSE's initial plan for opting out RBDC	MISO	69A.9.1 (d)
Jan 31, 2025	Default technology-specific avoidable costs posted by the IMM. Resource owners may use the default costs in lieu of submitting facility specific operating costs for a facility specific Reference Level request. (59 days prior to deadline for offers)	IMM	64.1.4(f)(ii)
Jan 31, 2025	Generator availability data due in GADS for resources required to report for Q4.	Resource Owner	69A.3.1.a, b, & c, 69A.3.6
Feb 01, 2025	Last day to submit non-exemption related resolution requests on ISAC posted for Schedule 53 resources through the MISO Help Center.	Resource Owner	
`Feb 01, 2025	Existing Load Modifying Resource, Energy Efficiency, and External Resource registrations due for prompt Planning Year.	LMR/EE/ER Owner	
Feb 01, 2025	Loss of Load Expectation study begins for next Planning Year.	MISO	
Feb 01, 2025	Evidence of Demand Resource testing due. Last day to submit evidence. DR testing or performance must take place during the calendar year prior to the upcoming Planning Year.	DR Owner	69A.3.5
Feb 01, 2025	Written letter from officer of company stating intention to leverage DR testing deferral provisions due.	DR Owner	69A.3.5(l)
Feb 07, 2025	Last day to submit a Full Responsibility Transaction. (due the 5th business day of February)	LSE	
Feb 14, 2025	If utilizing FSRL, last day to submit request to IMM regarding Going-Forward Cost determination. Submit data for facility ZRC reference levels to IMM. (45 days prior to close of PRA offer deadline)	Generation Owner	64.1.4.f.iii.b
Feb 15, 2025	Final UCAP/ISAC ratio and SAC values for Schedule 53 resources will be posted on MECT. Schedule 53 resource owners can start confirming SAC and converting SAC into ZRCs.	MISO	
Feb 15, 2025	New Load Modifying Resource, Energy Efficiency Resource, and External Resource registrations must be submitted for approval to be considered for inclusion in seasonal FRAP or RBDC Opt Out.	LSE	69A.9(a)

Date	Process and Notes	Responsible Entity	Tariff Reference
Feb 15, 2025	LSEs submit request to revise seasonal Coincident Peak Demand forecast originally submitted on November 1. MISO will review and either approve or deny request.	LSE	
Feb 15, 2025	Written letter from officer of company stating intention to leverage ICAP Deferral provisions.	Resource Owner	69A.7.9(a)
Feb 17, 2025	Last day that RERRA notifies MISO if it denies any of the LSE's plan for opting out RBDC	RERRA	69A.9.1 (d)
Feb 28, 2025	Capacity accreditation updated for resources granted ICAP Deferral.	MISO	
Mar 01, 2025	Seasonal Generator Verification Test Capacity and generator availability data for new resources or resources with increased capacity due for prompt Planning Year.	Generation Owner	69A.3.1.a(d)
Mar 01, 2025	New Load Modifying Resource, Energy Efficiency Resource, and External Resource registrations must be submitted for approval in the MECT for the prompt Planning Year.	LMR/EE/ER Owner	69A.9(a)
Mar 01, 2025	Deadline to satisfy credit requirements for DRs opting out of or deferring testing. Credit posting only required if DR doesn't have regulatory restrictions or contractual obligations that preclude testing.	DR Owner	69A.3.5 (j)(2)&(l)
Mar 01, 2025	MISO to complete its seasonal Coincident Peak Demand forecast review process.	MISO	69A.1.1(c)
Mar 01, 2025	Satisfy credit posting requirement for seasonal capacity accreditation issued from resources granted ICAP Deferral.	Resource Owner	69A.7.9(b)
Mar 01, 2025	Resource Owners submit Attachment Y requests for units scheduled for retirement/suspension between 3/30 and 5/31 to receive exemption from physical withholding.	Resource Owner	38.2.7.a.(i)
Mar 03, 2025	Publish seasonal Sub Regional Import Constraint (SRIC) and seasonal Sub Regional Export Constraint (SREC) for each Sub Regional Resource Zone (SRRZ) no later than first business day in March.	MISO	68A.3.1
Mar 10, 2025	Finalize and submit HUC registrations in the MECT.	LSE	
Mar 11, 2025	Seasonal Fixed Resource Adequacy Plan due by LSE. (7th Business Day of March)	LSE	69A.9(a)
Mar 11, 2025	LSE confirms its RBDC Opt Out Plan in MECT (7th Business Day of March)	LSE	69A.9.1(c)
Mar 14, 2025	Last day to notify IMM of deliverable resources requesting to be excluded from offering into seasonal PRAs or included in a FRAP or RBDC Opt Out.	Generation Owner	
Mar 15, 2025	Fixed Resource Adequacy and RBDC Opt Out Plan review completed by MISO. The LSE will have until the auction	MISO(LSE)	69A.9(a) 69A.9.1(c)

Date	Process and Notes	Responsible Entity	Tariff Reference
	offer window opens to remedy any deficiencies in their FRAP or RBDC Opt Out.		
Mar 19, 2025	Final date to update seasonal CIL and CEL values for each LRZ prior to the Planning Resource Auction. Changes due to firm capacity commitments from MISO resources to neighboring regions established prior to the PRA.	MISO	68A.4
Mar 19, 2025	CEL determined for each ERZ. Equal to the ZRC quantity of the External Resources registered to participate in the PRA. (8th business day in March prior to the last business day)	MISO	68A.4
Mar 19, 2025	Final posting by MISO of preliminary seasonal PRA data, reflective of updated information from LSEs, Resource Owners and PJM auction results. Coincides with seasonal CIL/CEL calculations.	MISO	
Mar 27, 2025	Provide Facility Specific Resource Level(s) to MPs 5 days prior to the close of the PRA offer window.	IMM	64.1.4.f
Mar 25, 2025	Final day for confirming/converting SAC in MECT.	Resource Owner	
Mar 26, 2025	Planning Resource Auction offer window is opened for all Seasons. Auction Offer window is opened at 8:00 AM EPT, 3 business days prior to the last business day in March.	MISO	69A.7.1(a)
Mar 31, 2025	Planning Resource Auction offer window is closed for all Seasons. Auction Offer window is closed at 6:00 PM EPT on the last business day of March.	MISO	69A.7.1(a)
Apr 01, 2025	Iterations of seasonal auction runs with adjusted seasonal CILs and CELs may be required to ensure that a network loading is not violated. Additionally, MISO will work with the IMM to evaluate potential withholding. The reference levels are used to determine financial withholding. The mitigation of financial withholding can be expected to reduce the Auction Clearing Price. (First 20 Business Days of April)	MISO/IMM*	69A.7
Apr 28, 2025	Seasonal Planning Resource Auctions results posted. (20th Business Day of April)	MISO	69A.7
Apr 30, 2025	Generator availability data due in GADS for resources required to report for Q1.	Resource Owner	69A.3.1.a, b, & c, 69A.3.6
May 01, 2025	MISO to assess seasonal Capacity Deficiency Charges for applicable LSEs.	MISO	69A.10(a)

Date	Process and Notes	Responsible Entity	Tariff Reference
May 8, 2025	MISO sends Capacity Deficiency Charges to applicable LSEs 5 business days after assessment.	MISO	
May 19, 2025	Capacity Deficiency Charge payments distributed to MPs. Payment made within 7 business days of receipt.	MISO	
May 28, 2025	Publish details of the seasonal ZRC offers submitted in the PRA. Market Participant IDs are not revealed. (One month after PRA)	MISO	69A.7.4
May 28, 2025	MISO publishes cleared LMRs to DSRI. MISO publishes must offer performance requirements in the applicable Operations tool.	MISO	
May 30, 2025	Information due to satisfy ICAP Deferral must be submitted to MISO to avoid ICAP Deferral Non-Compliance Charge for Summer Season. (Last business day of Planning Year)	LSE	69A.7.9(a) (2)
May 30, 2025	Information due to satisfy DR Deferral Notice must be submitted to MISO in order to release credit requirements and avoid LMP performance penalties.	DR Owner	69A.3.5
Jun 01, 2025	Summer Season in new Planning Year starts.	All	69A.7
Jun 01, 2025	Daily settlements for the Summer Season starts.	All	
July 31, 2025	Generator availability data due in GADS for resources required to report for Q2.	Resource Owner	69A.3.1.a, b, & c, 69A.3.6
August 29, 2025	Information due to satisfy ICAP Deferral must be submitted to MISO to avoid ICAP Deferral Non-Compliance Charge for Fall Season. (Last business day)	LSE	69A.7.9(a) (2)
Sep 01, 2025	Fall Season in new Planning Year starts.	All	69A.7
Sep 01, 2025	Daily settlements for the Fall Season starts.	All	
November 26, 2025	Information due to satisfy ICAP Deferral must be submitted to MISO to avoid ICAP Deferral Non-Compliance Charge for Winter Season. (Last business day)	LSE	69A.7.9(a) (2)
Dec 01, 2025	Winter Season in new Planning Year starts.	All	69A.7
Dec 01, 2025	Daily settlements for the Winter starts.	All	

Date	Process and Notes	Responsible Entity	Tariff Reference
February 27, 2026	Information due to satisfy ICAP Deferral must be submitted to MISO to avoid ICAP Deferral Non-Compliance Charge for Spring Season. (Last business day)	LSE	69A.7.9(a) (2)
Mar 01, 2026	Spring Season in new Planning Year starts.	All	69A.7
Mar 01, 2026	Daily settlements for the Spring Season starts.	All	

Appendix L – Transmission Losses Calculation

The Transmission Provider will calculate the seasonal LBA Transmission loss percentages using the process described as follows:

1. The Transmission Provider's State Estimator calculates transmission losses (MW) as part of the solution output process every five (5) minutes.
2. The transmission losses (MW) are computed on all transmission lines and transformers by summing up real power at both ends for each transmission element (retaining the convention for flow direction) or as the difference in real power (without the sign convention for flow direction) for each State Estimator solution.
3. The individual transmission losses (MW) for each element are summed to a total transmission value for each Local Balancing Authority (LBA) level.
4. These LBA transmission loss values are then integrated across each hour to calculate an hourly transmission loss value (MW) for each LBA.
5. The total transmission loss value (MW) for each LBA will be the hourly integrated transmission losses value (MW) for the hour of the Transmission Provider's system peak during each of the four previous Seasons.
6. The LBA transmission loss percentages are calculated as the total LBA transmission losses divided by the total LBA load, at each seasonal MISO peak hour.

The seasonal LBA transmission loss percentage calculated by the Transmission Provider will apply to the LSE's applicable seasonal LBA Coincident Peak Demand forecast to determine the LSE transmission losses for the calculation of the seasonal Initial PRMR. The LBA transmission loss percentage calculated by the Transmission Provider coincident with each LRZ’s seasonal Peak Demand forecast will determine the LSE transmission losses for the calculation of LRR. Both the MISO and Zonal Transmission Losses will be posted on the MISO public website by November 1 before the upcoming Planning Year.

Initial PRMR met with Behind-the-Meter-Generation Resources that are interconnected to the Transmission System shall be treated like other Resources with respect to transmission losses. Initial PRMR met with Behind-the-Meter-Generation Resources that are not interconnected to the Transmission System shall be adjusted to account for serving load without incurring transmission losses by grossing up the MW quantity of such resources by (1.0 + the appropriate LBA transmission loss percentage).

APPENDIX M: PLANNING RESOURCE AUCTION FORMULATION WITH RELIABILITY-BASED DEMAND CURVES

Disclaimer

This document is prepared for informational purposes only and is intended to help the user understand how the MISO Tariff provisions relating to Resource Adequacy Requirements and Reliability-Based Demand Curves are implemented in MISO's Planning Resource Auction (PRA). MISO may revise or terminate this document at any time at its discretion without notice. However, every effort will be made by MISO to update this document and inform its users of changes as soon as practicable. Nevertheless, it is the user's responsibility to ensure you are using the most recent version posted on the MISO website. In the event of a conflict between this document and the Tariff, the Tariff will control, and nothing in this document shall be interpreted to contradict, amend or supersede the Tariff. MISO owns the intellectual property of this document and content.

Purpose of this document

MISO's Resource Adequacy construct provides LSEs in the MISO footprint an ability to procure planning resources through a PRA for each Season within the Planning Year (PY). A Linear Programming (LP) based optimization tool has been developed to clear the auction and calculate Auction Clearing Prices (ACP). This document provides a detailed mathematical representation of the constrained optimization formulation that is used for clearing the seasonal PRA and explains how the zonal Auction Clearing Prices are calculated for each Season within the PY.

1 Overview of Auction Clearing Processes

MISO is introducing sloped demand curves in its Resource Adequacy construct through the implementation of Reliability-Based Demand Curve (RBDC) in the 2025 PRA. Specifically, MISO utilizes distinct sloped demand curves at both the systemwide and sub-regional levels: one systemwide RBDC and separate subregional RBDCs for the North/Central (N/C) and South subregions (also called planning areas). The systemwide RBDC addresses overall reliability needs across the entire system, while the subregional RBDCs capture additional reliability requirements specific to each subregion. As a result, for each season, MISO will utilize one systemwide RBDC and two sub-regional RBDCs in the PRA, totaling twelve RBDCs over the course of a Planning Year.

A subregional RBDC acknowledges the specific reliability needs of each sub-region. It is crucial to provide a price signal that reflects this regional diversity to promote efficient capacity pricing, resource planning, and grid reliability across MISO. Since MISO's footprint is divided into two subregions, each subregion will have two obligations to meet for resource adequacy: one from its share of the systemwide RBDC and the other from its own subregional RBDC. The share of systemwide RBDC is the systemwide RBDC weighted by the coincident peak demand share (with transmission losses) of the subregion. To ensure resource adequacy, the higher of these two obligations should be prioritized; meeting the higher obligation will automatically satisfy the lower one. The method for PRA clearing and pricing is outlined below.

Step 1 (RBDC identification): For each subregion, identify the RBDC curve between (i) share-of-systemwide RBDC and (ii) subregional RBDC that produces higher MW obligation in the neighborhood of the intersection of supply and demand curves.

Step 2 (Clearing and pricing): Use specific RBDCs identified in step 1 for each subregion and solve the clearing and pricing problem.

This solution methodology is summarized in **Error! Reference source not found.**.

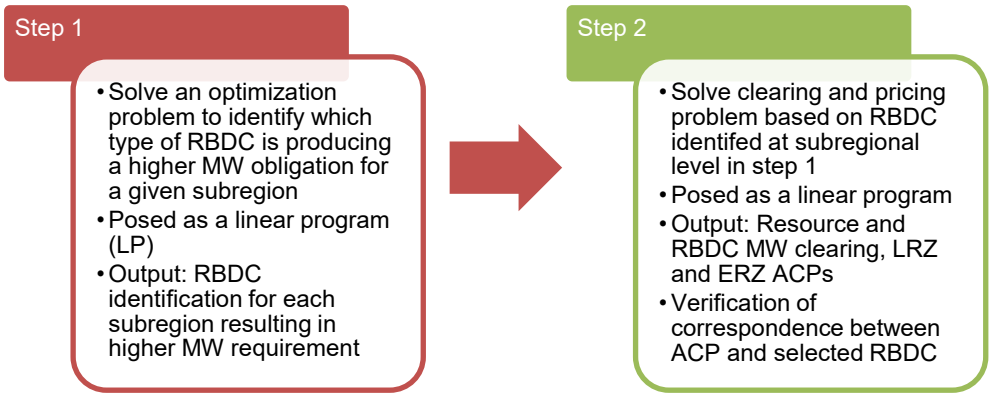


Figure 1. Overview of solution methodology

2 Preliminaries

This section defines the notation used in the optimization problem. In cases of ambiguity, we use the superscript SR to denote parameters or decision variables associated with subregional RBDC clearing, while the superscript SYS is used in reference to systemwide RBDC clearing. The optimization variables are in orange font.

2.1 Sets

Set DC = {Systemwide RBDC (SYS-RBDC), North/Central subregion RBDC (NC-RBDC), South subregion RBDC (S-RBDC)}

Set R = {North/Central subregion (NC), South subregion (S)}

Set Z = {All local resource zones (LRZs) in the transmission planning area}

Set Z_r = {All local resource zones (LRZs) in the subregion $r \in R$}

Set Z_n = {All North/Central subregion LRZs (LRZ 1 through 7)}

Set Z_s = {All South subregion LRZs (LRZ 8 through 10)}

Set E = {All external resource zones (ERZs) participating in the PRA}

Set F = {All resource offers in the system including LRZs and ERZs}

Set G = {All resources in LRZs}

Set G_k = {All resources in LRZ k}

Set G_r = {All resources in the LRZs within subregion $r \in R$}

Set H = {All resources in external zones (including dual connected external zones)}

Set H_e = {All resources in external zone *e*}

Set J_{dc} = {All demand segments in RBDC $dc \in DC$}

Set J_r = {All demand segments in subregional RBDC for subregion $r \in R$}

Set MC = {All resources which are part of fixed resource adequacy plans (FRAPs), or self-scheduled resources ($0 offer price), or resources covered by RBDC Opt Out}

2.2 Parameters

The following parameters are used to set up the constrained optimization problem for the PRA:

$INITIALPRMR_k$	Initial Planning Reserve Margin Requirement (PRMR) for LRZ *k*. Initial PRMR refers to PRMR for achieving the seasonal systemwide LOLE target (1-day-in-10 for Summer and 1-day-in-100 for other seasons)
$CPDF_k$	Coincident Peak Demand Forecast (CPDF) for LRZ *k*
LCR_k	Local Clearing Requirement for LRZ *k*
CIL_k	Capacity Import Limit for LRZ *k*
CEL_k	Capacity Export Limit for LRZ *k*
CEL_e	Capacity Export Limit for external zone *e*
$SREC_r$	Subregional export constraint (SREC) for subregion $r \in R$
$SRIC_r$	Subregional import constraint (SRIC) for subregion $r \in R$
$OFFERPRICE_i$	The offer price for resource *i*[3]
$OFFERMW_i$	Offered MW value for resource *i*
$SF_{r,e}$	Shift Factor ∈[0, 1] to subregion *r* for resources in external zone *e*[4]

ACP_k	Auction Clearing Price for Zone k
$CONE_k$	Annualized cost of new entry (CONE) for LRZ *k*
$CONE_n$	Average annualized CONE for LRZs in the North/Central subregion
$CONE_s$	Average annualized CONE for LRZs in the South subregion
$CONE_{SYS}$	Average annualized CONE for all LRZs in MISO
$SEASONALCONE_k$	Annualized CONE for LRZ *k* divided by number of days in the season
$SEASONALCONE_e$	For dual connected ERZ e: maximum annualized CONE of all LRZ*s* divided by number of days in the season. For ERZ e connected to a single subregion: maximum annualized CONE of all LRZ*s* in that subregion divided by number of days in the season.
$DAILYCONE_k$	Annualized CONE for LRZ *k* divided by number of days in the planning year
$RBDCPRICE_{j,dc}$	RBDC Price ($/UCAP MW-day) for demand curve segment $j \in J_{dc}$ for demand curve version $dc \in DC$
$RBDCSTEP_{j,dc}$	RBDC Step Size (UCAP MW) for demand curve segment $j \in J_{dc}$ for demand curve version $dc \in DC$
u_r	Binary parameter for MISO subregion $r \in R$ indicating the RBDC selected for step 2 of the solution methodology: 0 refers to share-of-systemwide RBDC, and 1 refers to the subregional RBDC
α_k^{SYS}	CPDF share of LRZ *k* with respect to all the LRZs in the system given by the following equation: $$\alpha_k^{SYS} \overset{def}{=} \frac{CPDF_k}{\sum_{k \in Z} CPDF_k} \in [0,1]$$
α_r	CPDF share of region $r \in R$, given by: $$\alpha_r \overset{def}{=} \sum_{k \in Z_r} \alpha_k \in [0,1]$$
α_k^r	CPDF share of LRZ *k* in subregion $r \in R$ with respect to all the LRZs in that subregion, given by:

$$\alpha_k^r \overset{def}{=} \frac{\alpha_k}{\alpha_r} \in [0,1]$$

2.3 Decision Variables

The optimization variables for the two linear programs are as follows (**all variables are non-negative**):

$clearedMW_i^{SYS}$	Cleared MW value of offer *i* to meet systemwide RBDC demand in step 1
$clearedMW_i^{SR}$	Cleared MW value of offer *i* to meet systemwide RBDC demand in step 1
$clearedMW_i$	Cleared MW value of offer *i* to meet selected RBDC demand in step 2
$clearedDemand_{j,r}^{SYS}$	Cleared MW value of systemwide RBDC segment *j* for subregion $r \in R$ [5]
$clearedDemand_{j,r}^{SR}$	Cleared MW value of subregional RBDC segment *j* for subregion $r \in R$
S_k^{SYS}	MW amount by which LRZ *k* is short of its local clearing requirement (LCR) or initial PRMR - CIL while meeting systemwide RBDC demand in step 1
S_k^{SR}	MW amount by which LRZ *k* is short of its local clearing requirement (LCR) or initial PRMR - CIL while meeting subregional RBDC demand in step 1
S_k	MW amount by which LRZ *k* is short of its local clearing requirement (LCR) or initial PRMR - CIL in step 2

3 Step 1: RBDC identification

The objective of the RBDC identification procedure is to determine which RBDC between share-of-systemwide RBDC and subregional RBDC is producing a higher MW requirement for each subregion. The requirements are determined through a solution to a linear program.

The identification of the RBDC producing a higher requirement is challenging, a priori. This difficulty is illustrated via the two plots on the first row of **Error! Reference source not found.** c orresponding to the summer season in the MISO N/C region and MISO South region, respectively: on the left, the subregional RBDC will always result in a higher MW requirement as compared to the share-of-systemwide RBDC for any clearing price point. However, on the right, both RBDCs are intertwined and depending on supply and demand curve intersection either systemwide or subregional RBDC could result in a higher MW requirement. This systemwide

and the subregional RBDC interaction increases the complexity of the PRA clearing process. To address this, an LP based optimization approach is utilized for the determination of the correct RBDC (higher MW requirement) for each subregion in a given season; this selected RBDC is used for the optimization in step 2.

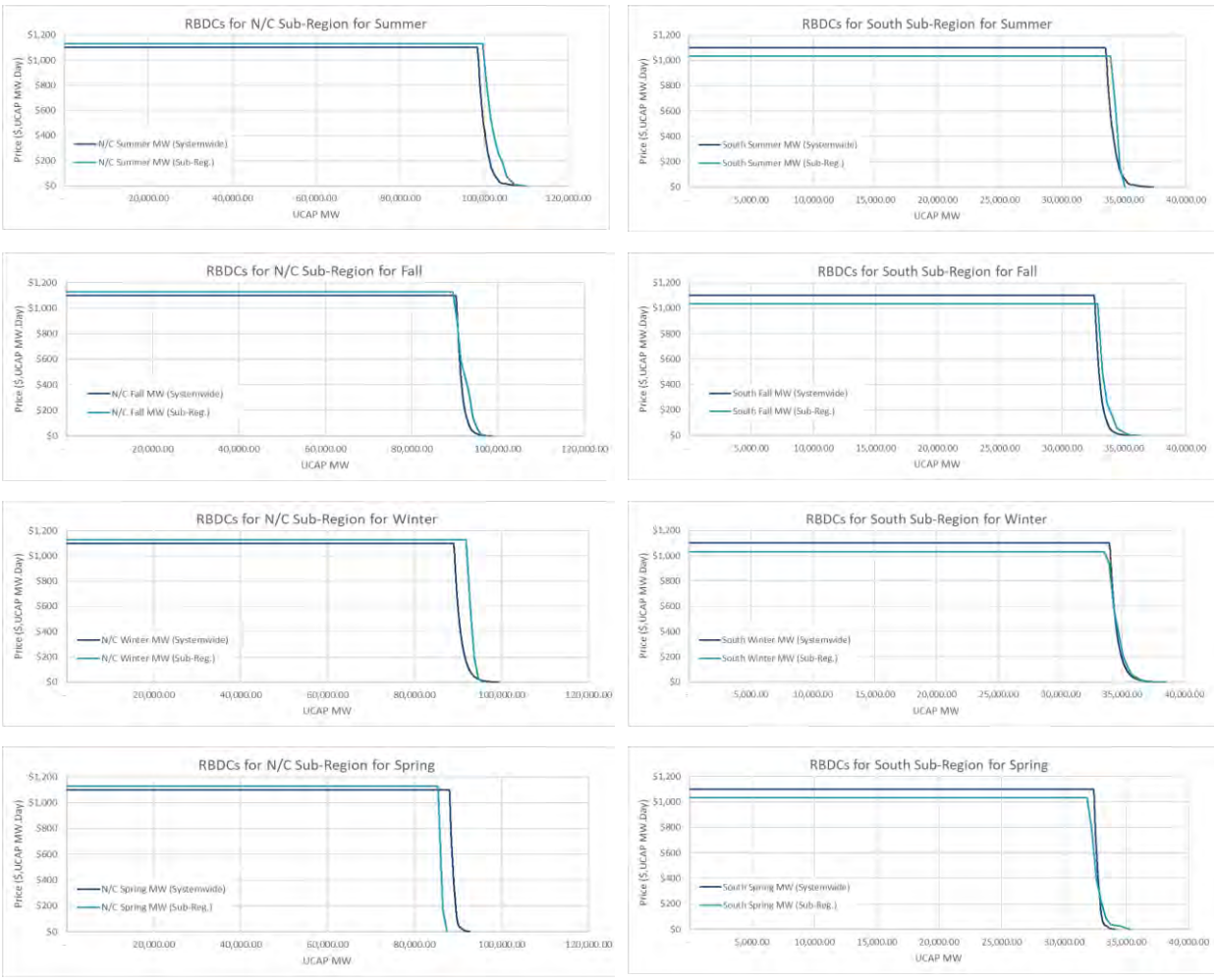


Figure 2. Indicative seasonal RBDC curves for N/C and South subregions, also showing the load-share-based projection of systemwide RBDC on to the sub-region.

3.1 Step 1 Formulation

The optimization problem for the RBDC identification step is posed as a linear program with the objective to minimize the cost of balancing capacity & demand for two scenarios: (i) demand is from share-of-systemwide RBDC in each subregion, and (ii) demand is from subregional RBDC

in each subregion. In this formulation, these two scenarios are enforced independently. Subregional power balancing constraints and zonal clearing constraints are also enforced independently for each scenario.

After solving the LP, the demand cleared on the basis of share-of-systemwide RBDC is compared with the demand cleared on the basis of the subregional RBDC clearing for both N/C and south subregions: for each subregion, the type of RBDC (share-of-systemwide RBDC or subregional RBDC) which produces the higher MW requirement is identified and selected for use in step 2 of the clearing process. The optimization formulation for step 1 is presented in the following.

3.1.1 Objective Function

The linear minimization objective is as follows:

$$\text{Minimize } f \stackrel{\text{def}}{=} SC - (SB + RB) + \Lambda, \tag{3.1.a}$$

with SC referring to the supply cost which is the area under the offer curve, SB and RB referring to the reliability benefits from the systemwide and subregional RBDCs which are the areas under the systemwide RBDC and subregional RBDCs, respectively, and Λ as the shortage penalty for zonal LCR shortage or initial PRMR shortage beyond the capacity import limit (CIL) of the zone. These terms are expressed as follows:

$$SC \stackrel{\text{def}}{=} \sum_{i \in F} OFFERPRICE_i \times (clearedMW_i^{SYS} + clearedMW_i^{SR}) \tag{3.1.b}$$

$$SB \stackrel{\text{def}}{=} \sum_{j \in J_{SYS-RBDC}} \sum_{r \in R} \alpha_r \times RBDCPRICE_j \times clearedDemand_{j,r}^{SYS} \tag{3.1.c}$$

$$RB \stackrel{\text{def}}{=} \sum_{r \in R} \sum_{j \in J_r} RBDCPRICE_j \times clearedDemand_{j,r}^{SR} \tag{3.1.d}$$

$$\Lambda \stackrel{\text{def}}{=} \sum_{k \in Z} SEASONALCONE_k \times (S_k^{SYS} + S_k^{SR}) \tag{3.1.e}$$

3.1.2 Constraints

The optimization constraints are based on system, subregional, and zonal balancing requirements, in addition to bounds on resource and segment clearing. Note that all decision variables are restricted to be in the domain of non-negative real values.

3.1.2.1 Resource Offer Bounds

Resource clearing should not exceed the MWs offered by the resources

$$clearedMW_i^{SYS} \leq OFFERMW_i, \quad \forall i \in F \tag{3.2.a}$$

$$clearedMW_i^{SR} \leq OFFERMW_i, \quad \forall i \in F \tag{3.2.b}$$

3.1.2.2 RBDC segment bounds

Price sensitive demand, characterized by different RBDCs, has limits based on the segments of the RBDC; MWs cleared in RBDC segments should not exceed the RBDC segment limits:

$$clearedDemand_{j,r}^{SYS} \leq RBDCSTEP_j, \quad \forall j \in J_{SYS-RBDC}, \quad \forall r \in R \tag{3.3.a}$$

$$clearedDemand_{j,r}^{SR} \leq RBDCSTEP_j, \quad \forall j \in J_r, \quad \forall r \in R \tag{3.3.b}$$

3.1.2.3 Power balance constraints

Systemwide supply-demand balance constraints. To properly value the reliability given the clearing outcome, the supply-demand balance equations enforce the condition that cleared supply is greater than or equal to cleared demand.

In step 1, the supply-demand balance must hold for both the system and subregional RBDC curves: the cleared quantity of demand from each RBDC curve must be met by corresponding supply-side variables.

$$\sum_{i \in F} clearedMW_i^{SYS} \geq \sum_{j \in J_{SYS-RBDC}} \sum_{r \in R} \alpha_r \times clearedDemand_{j,r}^{SYS} \tag{3.4.a}$$

$$\sum_{i \in F} clearedMW_i^{SR} \geq \sum_{r \in R} \sum_{j \in J_r} clearedDemand_{j,r}^{SR} \tag{3.4.b}$$

Subregional supply-demand balance constraints. These constraints ensure that the difference between the cleared supply available within a subregion and the cleared demand associated with the subregion is within the subregional import and export limits (SRIC and SREC, respectively). In step 1, the constraints are imposed for clearing associated with both systemwide and subregional RBDCs as follows, respectively:

$$-SRIC_r \leq \sum_{i \in G_r} clearedMW_i^{SYS} + \sum_{e \in E} SF_{r,e} \times \sum_{k \in H_e} clearedMW_k^{SYS} - \sum_{j \in J_{SYS-RBDC}} \alpha_r \times clearedDemand_{j,r}^{SYS} \leq SREC_r, \quad \forall r \in R \tag{3.5.a}$$

$$-SRIC_r \leq \sum_{i \in G_r} clearedMW_i^{SR} + \sum_{e \in E} SF_{r,e} \times \sum_{k \in H_e} clearedMW_k^{SR} - \sum_{j \in J_r} clearedDemand_{j,r}^{SR} \leq SREC_r, \quad \forall r \in R \tag{3.5.b}$$

3.1.2.4 Zonal Clearing Constraints

Local Clearing Requirement (LCR) and Capacity Import Limit (CIL) constraints ensure that the quantity of cleared supply in the zone must exceed the minimum of the LCR and the share of Initial PRMR that cannot be met by imports. If the quantity of cleared supply falls short of either of these limits, the shortfall variable is penalized at the zone's seasonal CONE value in the objective function (3.1.a). In Step 1, the LCR and CIL are enforced for both the systemwide and subregional RBDC clearing outcomes. The LCR constraints are as follows:

$$\sum_{i \in G_k} clearedMW_i^{SYS} + S_k^{SYS} \geq LCR_k, \quad \forall k \in Z \tag{3.6.a}$$

$$\sum_{i \in G_k} clearedMW_i^{SR} + S_k^{SR} \geq LCR_k, \quad \forall k \in Z \tag{3.6.b}$$

The quantity of imports in the zone to meet initial PRMR requirements must be below CIL. Only the tighter of the LCR and CIL constraints will bind, so we can use the same shortage variables for both LCR and CIL constraints. The CIL constraints are as follows:

$$INITIALPRMR_k - \sum_{i \in G_k} clearedMW_i^{SYS} - S_k^{SYS} \leq CIL_k, \quad \forall k \in Z \tag{3.7.a}$$

$$INITIALPRMR_k - \sum_{i \in G_k} clearedMW_i^{SR} - S_k^{SR} \leq CIL_k, \quad \forall k \in Z \tag{3.7.b}$$

Capacity Export Limit (CEL) constraints ensure that the quantity of exports for the zone does not exceed the available transfer capabilities (CEL). The exports are the difference between the cleared supply in the LRZ and the load obligations of the LRZ. The load requirement for an LRZ is calculated based on the CPDF share of the LRZ with respect to the cleared demand in the subregion. Consequently, the LRZ obligations based on systemwide RBDC clearing and subregional RBDC clearing are given by, respectively,

$$LRZReq_k^{SYS} = \sum_{j \in J_{SYS-RBDC}} \alpha_k^{SYS} \times clearedDemand_{j,r}^{SYS}, \quad \forall k \in Z_r, \forall r \in R \tag{3.8.a}$$

$$LRZReq_k^{SR} = \sum_{j \in J_r} \alpha_k^{r} \times clearedDemand_{j,r}^{SR}, \quad \forall k \in Z_r, \forall r \in R \tag{3.8.b}$$

The CEL constraints for each LRZ corresponding to the systemwide RBDC and the subregional RBDCs are given by, respectively,

$$\sum_{i \in G_k} clearedMW_i^{SYS} - LRZReq_k^{SYS} \leq CEL_k, \quad \forall k \in Z \tag{3.9.a}$$

$$\sum_{i \in G_k} clearedMW_i^{SR} - LRZReq_k^{SR} \leq CEL_k, \quad \forall k \in Z \tag{3.9.b}$$

Since ERZs have no load obligations, their CEL constraints for systemwide RBDC and subregional RBDCs are given by, respectively,

$$\sum_{i \in H_e} clearedMW_i^{SYS} \leq CEL_e, \quad \forall e \in E \tag{3.9.c}$$

$$\sum_{i \in H_e} clearedMW_i^{SR} \leq CEL_e, \quad \forall e \in E \tag{3.9.d}$$

4 Step 2: Clearing and Pricing

Following step 1: RBDC identification, the effective RBDCs for each subregion are established. In step 2, these identified RBDCs are used to determine resource and RBDC MW clearing along with the Auction Clearing Prices (ACPs). This clearing and pricing optimization problem is an LP problem.

In the social welfare optimization problem in step 2, for each subregion, we select the RBDC (between share-of-systemwide RBDC and subregional RBDC) that resulted in a higher requirement in that subregion. This selection is done via parameter u_r: for a given subregion $r \in R$, the parameter u_r is a binary parameter which is determined based on the clearing results of step 1. Parameter u_r is set to 0 if share-of-systemwide RBDC resulted in a higher clearing in step 1 (i.e., share-of-systemwide RBDC is selected for step 2), while it is set to 1 if the subregional RBDC resulted in a higher clearing in step 1 (i.e., subregional RBDC selected for step 2). The parameter selection for each subregion is given by the following equation:

$$u_r = 1\left(\left\{\sum_{k\in Z_r} LRZReq_k^{SYS} \leq \sum_{k\in Z_r} LRZReq_k^{SR}\right\}\right), \qquad \forall r \in R, \tag{4.1}$$

where 1 is the indicator function[6], and the LRZ clearing requirements are from step 1 as defined in (3.8).

4.1 Step 2: Formulation

Since we are selecting the RBDCs using the parameter u_r, step 2 does not require separate supply variables or constraint equations to distinguish between systemwide RBDC and subregional RBDCs. The details of the LP formulation for the clearing-and-pricing step 2 are as follows.

4.1.1 Objective Function

The linear minimization objective is given by the following equations, with the same terminology as defined in Section 3:

$$\text{Minimize } f \stackrel{\text{def}}{=} SC - (SB + RB) + \Lambda, \tag{4.2.a}$$

$$SC \stackrel{\text{def}}{=} \sum_{i\in F} OFFERPRICE_i \times clearedMW_i \tag{4.2.b}$$

$$SB \stackrel{\text{def}}{=} \sum_{j\in J_{SYS-RBDC}} \sum_{r\in R} (1-u_r) \times \alpha_r \times RBDCPRICE_j \times clearedDemand_{j,r}^{SYS} \tag{4.2.c}$$

$$RB \stackrel{\text{def}}{=} \sum_{r\in R} \sum_{j\in J_r} u_r \times RBDCPRICE_j \times clearedDemand_{j,r}^{SR} \tag{4.2.d}$$

$$\Lambda \stackrel{\text{def}}{=} \sum_{k\in Z} SEASONALCONE_k \times S_k \tag{4.2.e}$$

4.1.2 Constraints

In step 2, the power balancing constraints and the segment bounds are imposed for the selected RBDC using the parameter u_r. This subsection provides expression for the constraints in the LP.

4.1.2.1 Resource Offer Bounds

Resource clearing should not exceed the MWs offered by the resources

$$clearedMW_i \leq OFFERMW_i, \qquad \forall i \in F \tag{4.3}$$

4.1.2.2 RBDC segment bounds

MWs cleared in RBDC segments should not exceed the RBDC segment limits:

$$clearedDemand_{j,r}^{SYS} \leq (1-u_r) \times RBDCSTEP_j, \ \forall j \in J_{SYS-RBDC}, \qquad \forall r \in R \tag{4.4.a}$$

$$clearedDemand_{j,r}^{SR} \leq u_r \times RBDCSTEP_j, \qquad \forall j \in J_r, \qquad \forall r \in R \tag{4.4.b}$$

The multiplication involving the parameter u_r in the above equation ensures that the segment-wise clearing variables are allowed to take non-zero values only for the selected RBDC; the segment-wise clearing variables will be zero for the non-selected RBDC.

4.1.2.3 Power balance constraints

The system power balance constraint is represented below: the cleared systemwide supply should exceed the total system cleared demand from the selected RBDCs.

$$\sum_{i \in F} clearedMW_i \geq \sum_{r \in R} \sum_{j \in J_r} u_r \times clearedDemand_{j,r}^{SR} + \sum_{r \in R} \sum_{j \in J_{SYS-RBDC}} (1-u_r) \times \alpha_r \times clearedDemand_{j,r}^{SYS} \tag{4.5}$$

The subregional power balancing constraints ensure that the difference between the selected RBDC cleared demand and subregion cleared supply, including external resources clearing for the subregion, respects the subregional import and export constraints, as follows:

$$-SRIC_r \leq \sum_{i \in G_r} clearedMW_i + \sum_{e \in E} SF_{r,e} \times \sum_{k \in H_e} clearedMW_k - \sum_{j \in J_r} u_r \times clearedDemand_{j,r}^{SR} - \sum_{j \in J_{SYS-RBDC}} (1-u_r) \times \alpha_r \times clearedDemand_{j,r}^{SYS} \leq SREC_r, \qquad \forall r \in R \tag{4.6}$$

4.1.2.4 Zonal Clearing Constraints

The LCR and CIL are requirements that need to be met with local resources or penalized in cases of shortage. These constraints are represented as follows, respectively,

$$\sum_{i \in G_k} clearedMW_i + S_k \geq LCR_k, \ \forall k \in Z \tag{4.7}$$

$$INITIALPRMR_k - \sum_{i \in G_k} clearedMW_i - S_k \leq CIL_k, \quad \forall k \in Z \tag{4.8}$$

The CEL constraints are imposed with respect to the load obligation for each LRZ. The load obligation for LRZs is expressed as the zonal CPDF share of the cleared demand from the selected RBDC. This is given by,

$$LRZReq_k = \sum_{j \in J_{SYS-RBDC}} (1 - u_r) \times \alpha_k^{SYS} \times clearedDemand_{j,r}^{SYS} + \sum_{j \in J_r} u_r \times \alpha_k^r \times clearedDemand_{j,r}^{SR}, \quad \forall k \in Z_r, \forall r \in R \tag{4.9}$$

The difference between the zonal cleared supply and the LRZ load requirement should be below CEL:

$$\sum_{i \in G_k} clearedMW_i - LRZReq_k \leq CEL_k, \quad \forall k \in Z \tag{4.10.a}$$

Since ERZs do not have load obligations, their CEL constraints are given by:

$$\sum_{i \in H_e} clearedMW_i \leq CEL_e, \quad \forall e \in E \tag{4.10.b}$$

4.2 Verification of selected RBDC for Step 2

For a given subregion, if both the share-of-systemwide RBDC and the subregional RBDC are intertwined near the intersection of the supply and demand curves, then the RBDC producing higher requirement may be inconsistent between step 1 and step 2. Therefore, additional verification is performed to ensure that the curve selected for step 2 results in an appropriate requirement. This verification process is described below.

Verification step 1: Determine the subregional clearing price for subregion $r \in R$ as the sum of the shadow prices corresponding to the system and subregional power balancing constraints, i.e., the sum of the shadow prices (which are the dual variables) for the constraints (4.5) and (4.6).

Verification step 2: For the subregional clearing price calculated in verification step 1, determine the associated UCAP MW for the share-of-systemwide RBDC and the subregional RBDC for each subregion *r*. Note the RBDC that results in the higher requirement.

Verification step 3: For a given subregion, if the RBDC with the higher UCAP MW as determined in verification step 2 matches with the RBDC selected via the binary parameter u_r (0 implies selection of share-of-systemwide RBDC and 1 implies selection of subregional RBDC), then the PRA clearing solution is valid and we can proceed with the computation of clearing prices and obligations for the market participants.

If the verification fails for a given subregion, then this failure implies that the RBDC with the higher UCAP MW as determined in verification step 2 is different from the type of RBDC (share of systemwide or subregional) selected via the parameter u_r; hence, the PRA clearing solution is not valid. In such a case, the value of the parameter u_r for the subregion is switched to its complement (0 to 1, or 1 to 0), and step 2 of the PRA clearing process is solved again with this updated parameter.

4.3 Auction clearing Price calculations

Following the PRA clearing solution obtained in the step 2 optimization problem, the clearing prices are calculated for every LRZ and ERZ. This section describes the methodology for computing the auction clearing price (ACP).

4.3.1 ACP determination

The initial auction clearing price is calculated using the shadow prices (SP) of the system, subregional, and zonal power balancing constraints, which are defined below. All prices in this document are in units of $/MW-day.

$systemBalanceSP$ — Non-negative shadow price corresponding to the systemwide supply demand balancing constraint (4.5). This SP applies to all LRZs and ERZs.

$SRICSP_r$ — Non-negative shadow price corresponding to the subregional import constraint: left-hand side inequality of (4.6). A positive shadow price implies that the imports for subregion *r* are equal to the SRIC limit. The shadow price applies to all local zones in the respective subregion *r*. For external zones, the shadow price is assigned proportionally based on the respective subregional shift factors.

$SRECSP_r$ — Non-positive shadow price corresponding to the subregional export constraint: right-hand side inequality of (4.6); a negative value implies that the exports for subregion *r* are equal to the SREC limit. The shadow price applies to all local zones in the respective subregion *r*. For external zones, the shadow price is assigned proportionally based on the respective subregional shift factors.

$LCRSP_k$ — Non-negative SP for the LCR constraint (4.7) for LRZ $k \in Z$. This only applies to LRZs. A positive SP for the LRZ implies that the total cleared generation in LRZ *k* is either exactly equal to the LCR for *k*, or that the total generation offered in LRZ *k* is short of the LCR for *k* (in which case, seasonal CONE pricing is used as a shortage penalty).

$CILSP_k$ — Non-negative SP for the CIL constraint (4.8) for LRZ $k \in Z$. This only applies to LRZs. A positive SP implies that the difference between the initial PRMR and the total cleared generation in the LRZ is either exactly equal to CIL or is more than CIL in case of a shortage.

$CELSP_k$ — Non-positive SP for the CEL constraint (4.10) for zone $k \in Z \cup E$. This applies to both LRZs and ERZs.

The ex-ante ACP for an LRZ $k \in Z_r$ in subregion $r \in R$, prior to the calculation of LCR price adder is the minimum of (i) seasonal CONE of the LRZ and (ii) the sum of shadow prices corresponding to the LRZ (for zones without multi-season shortage, the ex-ante ACP will also be the ex-post ACP for the LRZ):

$$ACP_k^{EA} = min\{SEASONALCONE_k, systemBalanceSP + SRICSP_r + SRECSP_r + LCRSP_k + CILSP_k + CELSP_k\} \quad (4.11.a)$$

The ACP for an ERZ $e \in E$ is the minimum of (i) the maximum seasonal CONE of all the LRZs in the subregion to which the ERZ is connected (for dual connected ERZs, this is the maximum seasonal CONE of all LRZs in the entire transmission area; and (ii) the sum of the shadow prices corresponding to the ERZ:

$$ACP_e = min\{SEASONALCONE_e, systemBalanceSP + CELSP_e + \sum_r SF_{r,e} \times (SRICSP_r + SRECSP_r)\} \quad (4.11.b)$$

4.3.2 ACP under multi season LRZ shortages, or near-shortages, on local clearing requirement

When an LRZ has more than one season in any combination of ZRC shortage conditions and/or ZRC near-shortage conditions, the final Auction Clearing Price (ACP) for the LRZ will be determined as follows.

Let $\tilde{Z}$ the set of all LRZs with multi-season LCR or CIL shortage or near-shortage conditions. Let N_k^S denote the total number of shortage or near-shortage days for the LRZ $k \in \tilde{Z}$ across the entire planning year. Then, the LCR price adder for LRZ k is given by,

$$LCRPRICEADDER_k = CONE_k / N_k^S \quad (4.12)$$

The ex-post ACP for an LRZ k with multi-season shortage or near-shortage is,

$$ACP_k^{EP} = min\{SEASONALCONE_k, systemBalanceSP + SRICSP_r + SRECSP_r + LCRPRICEADDER_k\}, \quad \forall k \in \tilde{Z} \quad (4.13)$$

5 Final Auction Clearing Quantities for LRZs

The Final PRMR of an LSE is determined based on RBDC clearing in the corresponding subregion and the LSE's participation option (such as RBDC Opt Out, market participation, etc.)

in the PRA. The detailed procedure to determine Final PRMR is presented in Section 5.6 of this Business Practice Manual.

6 Examples

6.1 Small System Examples

Assume a system as shown in **Error! Reference source not found.** below. It consists of two L RZs and two subregions. There is a limited transfer capability between the subregions, and it is reflected in the subregional power balance constraint limit (SRPBC): the SRPBC limit in the following examples is a simplified representation of the SRIC/SREC constraints included in the preceding mathematical formulation.

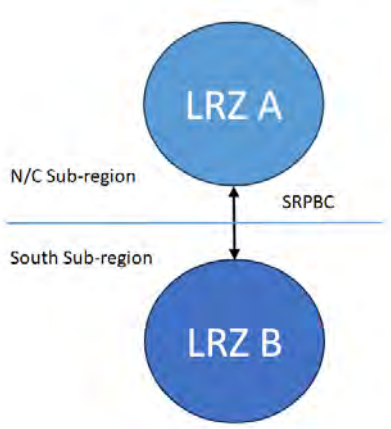


Figure 3. System setup for clearing examples: Two LRZ system with two subregions

Case 1: Regional RBDCs in both subregions are resulting in higher requirements than the share-of-systemwide RBDC, and there are no binding subregional import/export constraints. The offer and RBDC information along with the optimal clearing are shown in the following figure.

Systemwide RBDC

Price ($/MW)	Quantity (MW)
$40	35
$20	40
$10	43

N/C Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	20
$18	25
$12	28

South Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	13
$15	23
$7	31

Resource Offer

Resource	Sub-Region	Price ($/MW)	Quantity (MW)
R1	N/C Sub-region	$18	40
R2	N/C Sub-region	$16	40
R3	South Sub-region	$14	40
R4	South Sub-region	$13	40

SRPBC limit	100MW
Sub-regional load share of systemwide RBDC	50% N/C 50% South

Clearing

LRZ	ACP ($/MW.Day)	Effective Requirement (MW)	Cleared Quantity (MW)	Marginal resource offer ($/MW)
LRZ A	$14	25 (sub-regional RBDC)	0	$14
LRZ B	$14	23 (sub-regional RBDC)	48	$14

Resource Clearing

Resource	Sub-Region	ACP ($/MW.Day)	Offer Quantity (MW)	Cleared Quantity (MW)
R1	N/C Sub-region	$14	40	0
R2	N/C Sub-region	$14	40	0
R3	South Sub-region	$14	40	8
R4	South Sub-region	$14	40	40

Case 2: Regional RBDCs in both subregions are resulting in higher requirements than the share-of-systemwide RBDC, and the subregional import/export constraints are binding. The offer and RBDC information along with the optimal clearing are shown in the following figure.

Systemwide RBDC

Price ($/MW)	Quantity (MW)
$40	35
$20	40
$10	43

N/C Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	20
$18	25
$12	28

South Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	13
$15	23
$7	31

Resource Offer

Resource	Sub-Region	Price ($/MW)	Quantity (MW)
R1	N/C Sub-region	$18	40
R2	N/C Sub-region	$16	40
R3	South Sub-region	$14	40
R4	South Sub-region	$13	40

SRPBC limit	5 MW
Sub-regional load share of systemwide RBDC	50% N/C 50% South

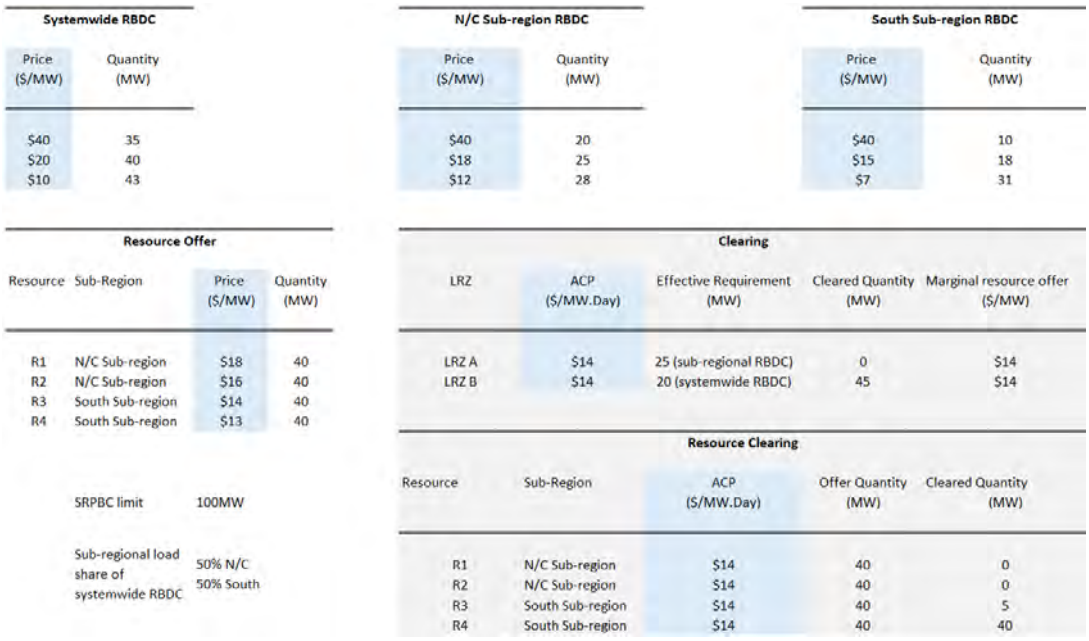
Clearing

LRZ	ACP ($/MW.Day)	Effective Requirement (MW)	Cleared Quantity (MW)	Marginal resource offer ($/MW)
LRZ A	$16	25 (sub-regional RBDC)	20	$16
LRZ B	$13	23 (sub-regional RBDC)	28	$13

Resource Clearing

Resource	Sub-Region	ACP ($/MW.Day)	Offer Quantity (MW)	Cleared Quantity (MW)
R1	N/C Sub-region	$16	40	0
R2	N/C Sub-region	$16	40	20
R3	South Sub-region	$13	40	0
R4	South Sub-region	$13	40	28

Case 3: In one subregion, share-of-systemwide RBDC is resulting in a higher requirement than subregional RBDC, while in the other subregion, the subregional RBDC results in a higher requirement as compared to the share-of-systemwide RBDC. SRIC/SREC are not binding. The offer and RBDC information along with the optimal clearing are shown in the following figure.



Systemwide RBDC

Price ($/MW)	Quantity (MW)
$40	35
$20	40
$10	43

N/C Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	20
$18	25
$12	28

South Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	10
$15	18
$7	31

Resource Offer

Resource	Sub-Region	Price ($/MW)	Quantity (MW)
R1	N/C Sub-region	$18	40
R2	N/C Sub-region	$16	40
R3	South Sub-region	$14	40
R4	South Sub-region	$13	40

SRPBC limit	100MW
Sub-regional load share of systemwide RBDC	50% N/C 50% South

Clearing

LRZ	ACP ($/MW.Day)	Effective Requirement (MW)	Cleared Quantity (MW)	Marginal resource offer ($/MW)
LRZ A	$14	25 (sub-regional RBDC)	0	$14
LRZ B	$14	20 (systemwide RBDC)	45	$14

Resource Clearing

Resource	Sub-Region	ACP ($/MW.Day)	Offer Quantity (MW)	Cleared Quantity (MW)
R1	N/C Sub-region	$14	40	0
R2	N/C Sub-region	$14	40	0
R3	South Sub-region	$14	40	5
R4	South Sub-region	$14	40	40

Case 4: In one subregion, share-of-systemwide RBDC is resulting in a higher requirement than subregional RBDC, while in the other subregion, the subregional RBDC results in a higher requirement as compared to the share-of-systemwide RBDC. SRIC/SREC are binding. The offer and RBDC information along with the optimal clearing are shown in the following figure.

Systemwide RBDC

Price ($/MW)	Quantity (MW)
$40	35
$20	40
$10	43

N/C Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	20
$18	25
$12	28

South Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	10
$15	18
$7	31

Resource Offer

Resource	Sub-Region	Price ($/MW)	Quantity (MW)
R1	N/C Sub-region	$18	40
R2	N/C Sub-region	$16	40
R3	South Sub-region	$14	40
R4	South Sub-region	$13	40

SRPBC limit	10MW
Sub-regional load share of systemwide RBDC	50% N/C 50% South

Clearing

LRZ	ACP ($/MW.Day)	Effective Requirement (MW)	Cleared Quantity (MW)	Marginal resource offer ($/MW)
LRZ A	$16	25 (sub-regional RBDC)	15	$16
LRZ B	$13	20 (systemwide RBDC)	30	$13

Resource Clearing

Resource	Sub-Region	ACP ($/MW.Day)	Offer Quantity (MW)	Cleared Quantity (MW)
R1	N/C Sub-region	$16	40	0
R2	N/C Sub-region	$16	40	15
R3	South Sub-region	$13	40	0
R4	South Sub-region	$13	40	30

Case 5: Systemwide RBDC results in a higher requirement in both subregions, and no SRIC/SREC binding. Offer, RBDC, and clearing details are in the following figure.

Price ($/MW)	Quantity (MW)
$40	35
$20	40
$10	43

Price ($/MW)	Quantity (MW)
$40	10
$18	15
$12	20

Price ($/MW)	Quantity (MW)
$40	3
$15	13
$7	21

Resource Offer

Resource	Sub-Region	Price ($/MW)	Quantity (MW)
R1	N/C Sub-region	$18	40
R2	N/C Sub-region	$16	40
R3	South Sub-region	$14	40
R4	South Sub-region	$13	40

SRPBC limit	500 MW
Sub-regional load share of systemwide RBDC	50% N/C 50% South

Clearing

LRZ	ACP ($/MW.Day)	Effective Requirement (MW)	Cleared Quantity (MW)	Marginal resource offer ($/MW)
LRZ A	$13	20 (system RBDC)	0	$13
LRZ B	$13	20 (system RBDC)	40	$13

Resource Clearing

Resource	Sub-Region	ACP ($/MW.Day)	Offer Quantity (MW)	Cleared Quantity (MW)
R1	N/C Sub-region	$13	40	0
R2	N/C Sub-region	$13	40	0
R3	South Sub-region	$13	40	0
R4	South Sub-region	$13	40	40

Case 6: Systemwide RBDC results in a higher requirement in both subregions, and SRIC/SREC are binding. Offer, RBDC, and clearing details are in the following figure.

Systemwide RBDC

Price ($/MW)	Quantity (MW)
$40	35
$20	40
$10	43

N/C Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	10
$18	15
$12	20

South Sub-region RBDC

Price ($/MW)	Quantity (MW)
$40	3
$15	13
$7	21

Resource Offer

Resource	Sub-Region	Price ($/MW)	Quantity (MW)
R1	N/C Sub-region	$18	40
R2	N/C Sub-region	$16	40
R3	South Sub-region	$14	40
R4	South Sub-region	$13	40

SRPBC limit	5 MW
Sub-regional load share of systemwide RBDC	50% N/C 50% South

Clearing

LRZ	ACP ($/MW.Day)	Effective Requirement (MW)	Cleared Quantity (MW)	Marginal resource offer ($/MW)
LRZ A	$16	20 (system RBDC)	15	$16
LRZ B	$13	20 (system RBDC)	25	$13

Resource Clearing

Resource	Sub-Region	ACP ($/MW.Day)	Offer Quantity (MW)	Cleared Quantity (MW)
R1	N/C Sub-region	$16	40	0
R2	N/C Sub-region	$16	40	15
R3	South Sub-region	$13	40	0
R4	South Sub-region	$13	40	25

6.2 PRA Clearing Examples using Indicative RBDCs

This section provides an illustrative graphical representation of the auction clearing with RBDCs: the plots representing the PRA clearing outcomes with indicative RBDCs for PY 24-25 Summer Season are presented in **Error! Reference source not found.**. The indicative RBDCs are d eveloped based on PY 24-25 loss-of-load study and the associated models. Resource offers submitted for the PY 24-25 Summer Season are used for the supply curves. The parameters for the zonal CIL, CEL, and LCR constraints are the same as those used in the PY 2024/25 PRA. The solution to the linear programming-based formulation results in an Auction Clearing Price of about $140/MW-day with no subregional or zonal price separation. The systemwide RBDC is setting up the requirement in both subregions with a total cleared demand of 140.1GW, because the share-of-systemwide RBDCs are to the right of the subregional RBDCs in both subregions.

The SREC limit from the south subregion to the north/central subregion is 1,900 MW; the capacity exports from the south subregion to the north/central subregion are 1,581 MW as reflected in **Error! Reference source not found.**. The RBDCs shown in the dashed lines for t

he exporting subregion (south) have been shifted to **the right by the export quantity**, while those for the importing subregion (N/C) have been shifted to **the left by the same quantity**. The original RBDCs are in solid lines.

The horizontal line represents the ACP, which is set at the intersection of the supply curve and import/export-shifted RBDC for each subregion (red dot in the figure). The Final PRMR for an importing subregion (N/C) is to the **right** of the intersection of the supply curve and the import-shifted RBDC by the import quantity (1,581 MW in the figures below). Similarly, for the exporting subregion (south), the final PRMR is to the **left** of the intersection of the supply curve and the export-shifted RBDC by the export quantity of 1,581 MW. The Final PRMR is shown by the dotted dark-gray vertical line passing through the intersection of the horizontal ACP line and the requirement-setting RBDC (share-of-systemwide RBDC for Summer 2024 in both subregions—plots in orange solid lines).

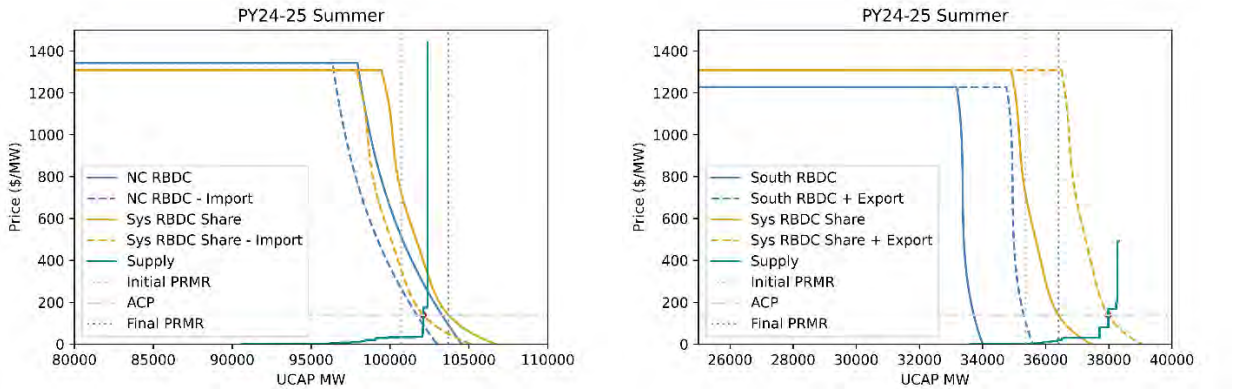


Figure 4. PRA clearing with indicative RBDCs representing PY24-25 Summer season with actual offers submitted for PY24-25 Summer season.

For completeness, the zoomed-in version of PRA clearing presented in **Error! Reference source not found.** is shown below in **Error! Reference source not found.**.

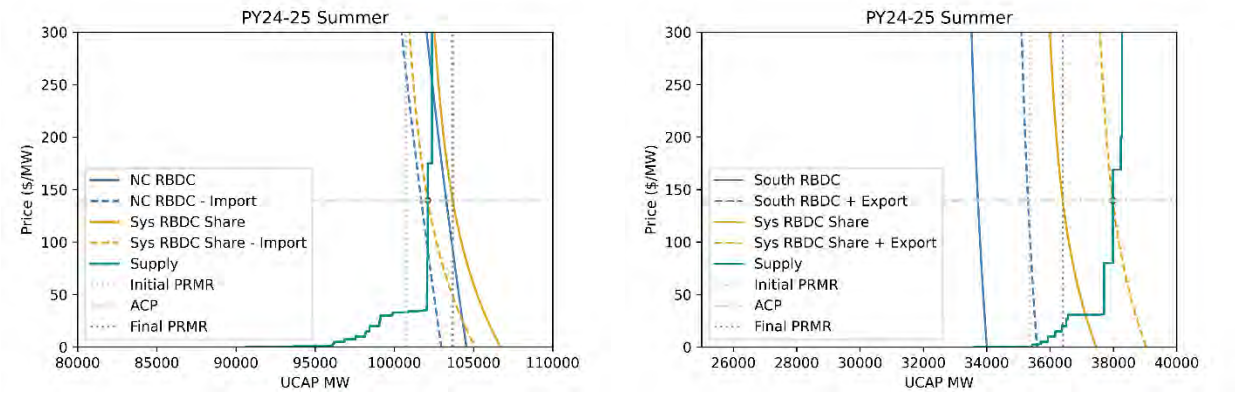


Figure 5. Zoomed in version of illustrative PY 24-25 Summer season PRA clearing

Appendix N – Seasonal Demand and Energy Forecast Characteristics

Forecast Criteria	Coincident Peak Demand and Zonal Coincident Peak Demand Forecasts	Non-Coincident Peak Demand Forecast	Energy for Load Forecast
Includes Demand Served by Energy Efficiency Planning Resources	Yes	Yes	Yes
Includes Demand Served by Energy Efficiency Programs	No	No	No
Includes Demand Served by Demand Resources	Yes	Yes	Yes
Includes Demand Served by BTMG Planning Resources	Yes	Yes	Yes
Includes Demand Served by resources that are not qualified as Planning Resources	Yes	No	No
Includes Demand Pseudo-Tied Out of MISO BA and Included Subject to other RAR	No	Yes	Yes
Includes Transmission Losses	No	No	Yes
Coincident with reporting Load Serving Entities' system	No	Yes	No
Demand reported at Physical LBA Location	Yes	Yes	Yes
Include Demand from Power Plant Station or Auxiliary Needs	No	No	No

Appendix O – Parties Responsible for Reporting Seasonal Demand and Energy Forecasts

Data	EDC	Retail Choice LSE	Non-Retail Choice LSE
MISO Coincident Peak (Total CPF)	No	No	Yes
MISO Non-Coincident Peak (Total NCPF)	No	No	Yes
Zonal Coincident Peak (Total CPF)	No	No	Yes
RC Coincident Peak (Total CPFEDC Area)	Yes	No	No
RC Coincident Peak (Total NCPF) Load Contribution	Yes	No	No
RC Zonal Coincident Peak (Total CPFEDC Area)	Yes	No	No
Non-Coincident Peak	Yes	No	Yes
RC Non-Coincident Peak	No	Yes	No
Energy for Load	Yes	No	Yes
Retail Choice (MISO Peak)	Yes	No	No
Retail Choice (Zonal Peak)	Yes	No	No

Appendix P – Zonal Deliverability Benefit *Pro Rata* Allocation

This Appendix is an illustrative example of the ZDB *pro rata* allocation methodology in the presence of Historical Unit Considerations (HUC) and Fixed Resource Adequacy Plan (FRAP) or RBDC Opt Out. The results from the Planning Resource Auction for the 2020/2021 Planning Year are used in this example to educate Market Participants. The resulting Auction Clearing Prices illustrated here are different than those settled for the 2020/2021 Planning Year. Starting in Planning Year 2023-2024, the ZDB calculation will be performed separately for each Season in which the ZDB calculation is required.

Step 1Subtract PRMR and ZRCs associated with HUC Hedges to derive an adjusted Final PRMR (Adjusted Final PRMR) and ZRC (Adjusted ZRC). ZRCs are FRAP + RBDC Opt Out + Self-scheduled offers + cleared Non-self-scheduled offers.

RZ	ACP	Final PRMR	ZRC	HUC (MW)	ZDC Hedges (MW)	Adjusted Final PRMR	Adjusted ZRC
Z1	$5.00	18,476.0	18,742.0	191.7	0	18,284.3	18,550.3
Z2	$5.00	13,728.2	13,590.0	0	0	13,728.2	13,590.0
Z3	$5.00	10,129.1	10,551.0	0	0	10,129.1	10,551.0
Z4	$5.00	9,794.6	8,462.1	0	0	9,794.6	8,462.1
Z5	$5.00	8,456.3	7,952.8	0	0	8,456.3	7,952.8
Z6	$5.00	18,720.6	17,054.6	0	0	18,720.6	17,054.6
Z7	$257.53	21,945.3	21,727.5	0	0	21,945.3	21,727.5
Z8	$4.75	7,986.9	10,183.1	0	0	7,986.9	10,183.1
Z9	$6.88	21,711.7	20,893.7	107.3	0	21,604.4	20,786.4
Z10	$4.75	5,030.6	5,244.2	0	0	5,030.6	5,244.2
E20	$4.90	0.0	347.2	0	0	0.0	347.2
E22	$5.00	0.0	633.8	0	0	0.0	633.8
E23	$5.00	0.0	30.1	0	0	0.0	30.1
E24	$5.00	0.0	148.4	0	0	0.0	148.4
E26	$4.92	0.0	24.0	0	0	0.0	24.0
E27	$4.89	0.0	168.3	0	0	0.0	168.3
E28	$4.90	0.0	226.5	0	0	0.0	226.5

Step 2: Create a DBZ for each group of LRZs that have equal ACPs which result from the same auction constraint. In this example, Zone 7 is a DBZ because the PRA bound on its LCR.

RZ	ACP	Adjusted Final PRMR	Adjusted ZRC	**DBZ Grouping**
Z1	$5.00	18,284.3	18,550.3	Zone A
Z2	$5.00	13,728.2	13,590.0	Zone A
Z3	$5.00	10,129.1	10,551.0	Zone A

Z4	$5.00	9,794.6	8,462.1	Zone A
Z5	$5.00	8,456.3	7,952.8	Zone A
Z6	$5.00	18,720.6	17,054.6	Zone A
Z7	$257.53	21,945.3	21,727.5	Zone B
Z8	$4.75	7,986.9	10,183.1	Zone D
Z9	$6.88	21,604.4	20,786.4	Zone C
Z10	$4.75	5,030.6	5,244.2	Zone D
E20	$4.90	0.0	347.2	Zone E
E22	$5.00	0.0	633.8	Zone A
E23	$5.00	0.0	30.1	Zone A
E24	$5.00	0.0	148.4	Zone A
E26	$4.92	0.0	24.0	Zone F
E27	$4.89	0.0	168.3	Zone G
E28	$4.90	0.0	226.5	Zone E

Step 3: For each DBZ, subtract the sum of Adjusted Final PRMR for each LRZ within the DBZ from the sum of Adjusted ZRCs for each LRZ within the DBZ. A DBZ will be considered a net importing DBZ if the sum of Adjusted Final PRMR is greater than the sum of Adjusted ZRCs. A DBZ will be considered a net exporting DBZ if the sum of the Adjusted Final PRMR is less than the sum of Adjusted ZRCs. A net exporting DBZ shall not receive any ZDB credit. A net importing DBZ shall receive a ZDB credit allocation based upon this weighted average approach.
In this example, Zones A, B, and C are net importing DBZ's and Zones D, E, F and G are net exporting DBZs.

DBZ	Adjusted Final PRMR	Adjusted ZRC	Difference	Result
Zone A	79,113.1	76,973.1	-2140.0	Net Importer
Zone B	21,945.3	21,727.5	-217.8	Net Importer
Zone C	21,711.7	20,893.7	-818.0	Net Importer
Zone D	13,017.5	15,427.3	2,409.8	Net Exporter
Zone E	0.0	573.7	573.7	Net Exporter
Zone F	0.0	24.0	24.0	Net Exporter
Zone G	0.0	168.3	168.3	Net Exporter

Step 4: Calculate the weighted average ACP of all net exporting DBZs (Weighted Average Export ACP) to determine a financial value of export capacity within the Transmission Provider region per the formula below:

$$\text{Weighted Average Export ACP} = \frac{\sum(\text{Net Export}_j \times \text{ACP}_j)}{\sum \text{Net Export}_j}$$

Where j = Each net exporting DBZ

DBZ	Net Export	ACP	Net Export*ACP
D	2409.8	$4.75	$11,446.55
E	573.7	$4.90	$2,811.13
F	24	$4.92	$118.08
G	168.3	$4.89	$822.99
Total of Exporting Zones	3175.8		$15,198.75
Weighted Average Export ACP =(Total Net Export*ACP)/(Total Net Export)			$4.79

Step 5: Calculate the ZDB credit allocation, in dollars, for each net importing DBZ:

$$\text{ZDB Credit}_k = \text{Net Import}_k \times (\text{ACP}_k - \text{Weighted Average Export ACP})$$

Where k = Each net importing DBZs

DBZ	Net Import	ACP ($/MW-day)	Weighted Average Export ACP	ZDB Credit ($/day)
A	2140.0	$5.00	$4.79	$458.39
B	217.8	$257.53	$4.79	$55,047.69
C	818.0	$6.88	$4.79	$1,713.05
Total of Importing Zones	3175.8			

Step 6: Distribute the ZDB credit in each DBZk by dividing the ZDB credit by the sum of Adjusted Final PRMR of the LRZs within each DBZk. Subtract this amount from the initial ACP calculated for each LRZ from the PRA.

DBZ	ZDB Credit ($/day)	RZ	Adjusted Final PRMR	ZDB Rate ($/MW-day)	ACP	Net ACP
A	$458.39	1	18,284.3	$0.01	$5.00	$4.99
		2	13,728.2			
		3	10,129.1			
		4	9,794.6			
		5	8,456.3			
		6	18,720.6			
		Total DBZ A	79,113.1			
B	$55,047.69	7	21,945.3	$2.51	$257.53	$255.02
C	$1,713.05	9	21,604.4	$0.08	$6.88	$6.80

Appendix Q – Fleet XEFORd Calculation

This appendix walks through the process for calculating fleet XEFORd. This process is used for External Resources that participate in the PRA as one MECT resource which represents the aggregate of a fleet of units. In order to qualify, resource owners must submit help tickets to help.misoenergy.org to let MISO know which resources to be included in your fleet by November 15, otherwise the resource will not be able to participate in the PRA. For example, an external area might have 100 units in its fleet with a total capacity of 10,000 MW of which it plans to commit 1,000 MW on an installed capacity basis to MISO. MISO will then calculate a seasonal SAC based on a seasonal weighted average forced outage rate of all units in the fleet. Intermittent and class average units are excluded from the fleet XEFORd calculation. This appendix will walk through a weighted average example calculation for a set of fleet units.

Utility	Unit	Unit Name	GVTC (MW)	XEFORd (%)	Weighted XEFORd (%)
99A - Midwest ISO	101	Carmel 1	100.0	15.0%	4.5%
99A - Midwest ISO	102	Carmel 2	120.0	10.0%	3.6%
99A - Midwest ISO	601	Eagan 1	65.0	7.5%	1.5%
99A - Midwest ISO	602	Eagan 2	50.0	5.0%	0.7%
99A - Midwest ISO	501	Little Rock 1	20.0	Intermittent	Excluded
99A - Midwest ISO	502	Little Rock 2	25.0	Intermittent	Excluded
99A - Midwest ISO	401	Metarie 1	5.0	Class average	Excluded
99A - Midwest ISO	402	Metarie 2	3.0	Class average	Excluded
		Fleet Total	388.0		
		Fleet Total included in Fleet XEFORd Calculation	335.0		10.3%

Formulas

- Unit Weighted Average XEFORd = (Unit GVTC (MW)) / (Total GVTC (MW)) * (Unit XEFORd)

  (for Carmel 1 weighted XEFORd is 100.0/335.0*15.0% = 4.5%)

- Fleet Total GVTC (MW) = Sum of GVTC (MW) for all units

  (100.0 + 120.0 + 65.0 + 50.0 + 20.0 + 25.0 + 5.0 +3.0 = 388.0)

- Fleet GVTC w/ XEFORd = Sum of GVTC for all units with an XEFORd value

  (100.0 + 120.0 + 65.0 + 50.0 = 335.0)

- Fleet Weighted XEFORd = Sum of Weighted XEFORd for all units

  (4.5% + 3.6% + 1.5% + 0.7% = 10.3%)

Appendix R – Annual CONE Calculation

MISO calculates gross Cost of New Entry (CONE) values for each LRZ for each Planning Year. This CONE value will be used for all Seasons within the entire Planning Year. MISO calculates CONE for each LRZ based upon the costs associated with an advanced combustion turbine generator (CT). MISO uses the following approach:

1. MISO begins with an estimate of a CONE value not specific to an LRZ,
2. MISO uses "the law of one price" where applicable (e.g., turbines that are sold competitively),
3. MISO develops zonal differences to reflect different locational costs (e.g., labor, technical enhancements and others) using the most recent United States Energy Information Administration (EIA) document, and
4. MISO uses the Net Present Value (NPV) algorithm to calculate CONE values for each LRZ.

MISO allows factors such as the weighted average cost of capital, escalation rates, and other factors where global competition drives prices to have no locational differences to be constant.

In order to determine the appropriate CONE value for each LRZ, MISO relies upon the most recent EIA report on "Capital Cost and Performance Characteristic Estimates for Utility Scale Electric Power Generating Technologies (EIA Report)". The EIA Report contains detailed specifications for a hypothetical advanced CT, including information regarding the differences in project costs for an advanced CT with a nominal capacity of 237 MW, based upon the state where the facility is constructed. The report is available at: https://www.eia.gov/analysis/studies/powerplants/capitalcost/.

MISO uses an NPV analysis to determine an appropriate CONE value for hypothetical advanced CTs located in each LRZ. In accordance with Section 69A.8.a of Module E-1, MISO considers many factors in its calculation of the CONE value, including the following: (1) physical factors (such as, the type of Generation Resource that could reasonably be constructed to provide Planning Resources, costs associated with locating the Generation Resource within the Transmission Provider Region, the estimated costs of fuel for the Generation Resource); (2) financial factors (such as, the hypothetical debt/equity ratio for the Generation Resource, the cost of capital, a reasonable return on equity, applicable taxes, interest, insurance); and (3) other costs (such as, costs related to permitting, environmental compliance, operating and

maintenance expenses). MISO does not consider the anticipated net revenue from the sale of capacity, Energy or Ancillary Services.

CONE values for each Planning Year are based, in part, upon data supplied by the EIA, which are adjusted using the implicit price deflator from the Bureau of Economic analysis in order to convert EIA cost data into present value dollars. In order to produce the annualized CONE value for each LRZ from these cost numbers, for the 2023/2024 Planning Resource Auction MISO assumed: (i) a 55/45 debt to equity ratio; (ii) a 20-year project life and loan term; (iii) a 5.16 percent debt interest rate; (iv) a 2.2 percent Operation and Maintenance escalation factor; (v) a 2.2 percent GDP deflator; (vi) a 25-31 percent combined effective federal and state tax rate; (vii) property tax and insurance costs of 1.5 percent of the capital costs; (viii) a calculated weighted average cost of capital of 7.99 to 8.17 percent; (ix) and a 13.4 percent after tax internal rate of return on equity. None of these factors vary by LRZ to any significant degree that is discernible in available data. MISO will continue to examine these factors in the future to determine if any LRZ specific modifications are indicated. These factors and assumptions are comparable to those used by other RTOs in the development of CONE estimates.

Steps for calculating CONE

1. Obtain latest 'Base Project Cost $/kW'
   Obtain the latest Energy Information Administration (EIA) report for *EIA,* Capital Cost and Performance Characteristic Estimates for Utility Scale Electric Power Generating Technologies. It provides the following data:

   - Plant Capital Cost in $/kW. MISO currently uses the number for advanced CT.
   - Location Based Costs Table: Location Percent Variation, Delta Cost Difference and Total Location Project Cost columns

2. Use Bureau of Economic Analysis (BEA) data to calculate implicit price deflator
   Use Table 1.1.9 - Implicit Price Deflators for Gross Domestic Product from NIPA data. Using the table, calculate the *Escalation Rate* from base year to planning year, based on historical and projected quarterly PCE deflator values. Use this Escalation Rate to calculate "Total Location Project Cost" in current year dollars.

3. Calculate LRZ and Base total capital costs, adjusted by multiplying with the Escalation Rate
   For LRZs - Use averages of adjusted project costs for locations (for which data is available) in each zone.

4. Calculate the after-tax weighted average cost of capital (WACC)

$WACC = (E * R_e) + (D * R_d * (1 – T_c))$.

Where E = Equity Fraction of Project

R_e = Cost of Equity. Assume as the after-tax IRR

D = Debt Fraction of Project

R_d = Cost of Debt (20-year BB corporate bond rate)

T_c = Combined effective federal and state tax rate

5. Calculate estimated annualized costs for each LRZ and also for the Base.

   - Calculate annualized capital costs using total capital costs, after-tax WACC and assuming the project lifespan. (Use PMT function)
   - Calculate the O&M costs based on O&M data, project lifespan, WACC and US GDP Deflator (Use PMT and NPV functions)
     - Assume suitable O&M escalation factor
     - Assume/Update US GDP Deflator
   - Assume insurance and property tax costs.

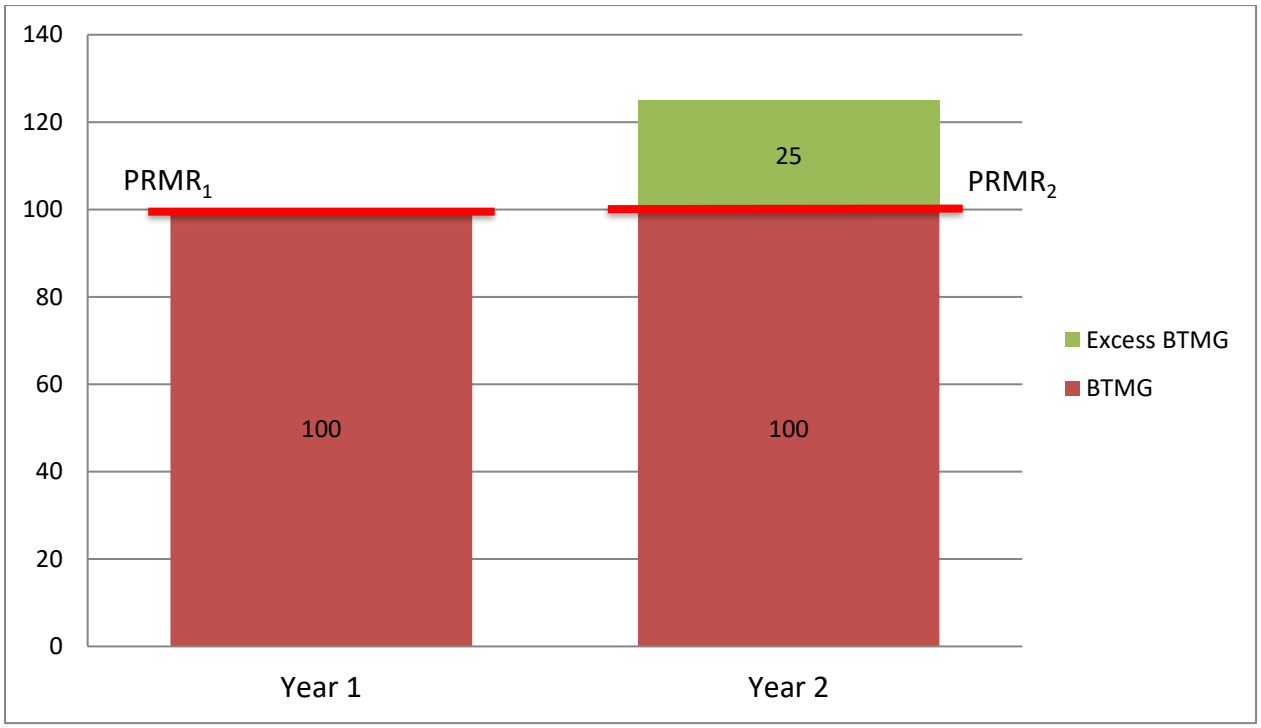
Appendix S – Example Scenarios of "Excess BTMG"

This Appendix shares a few illustrative examples of how BTMG may change to "Excess BTMG" from one year to the next. The examples below show how some specific factors may cause BTMG to be classified as "Excess BTMG" from one year to the next. Below are four examples of "Excess BTMG".

(All PRMR being referred in this appendix are Final PRMR cleared through PRA auction)

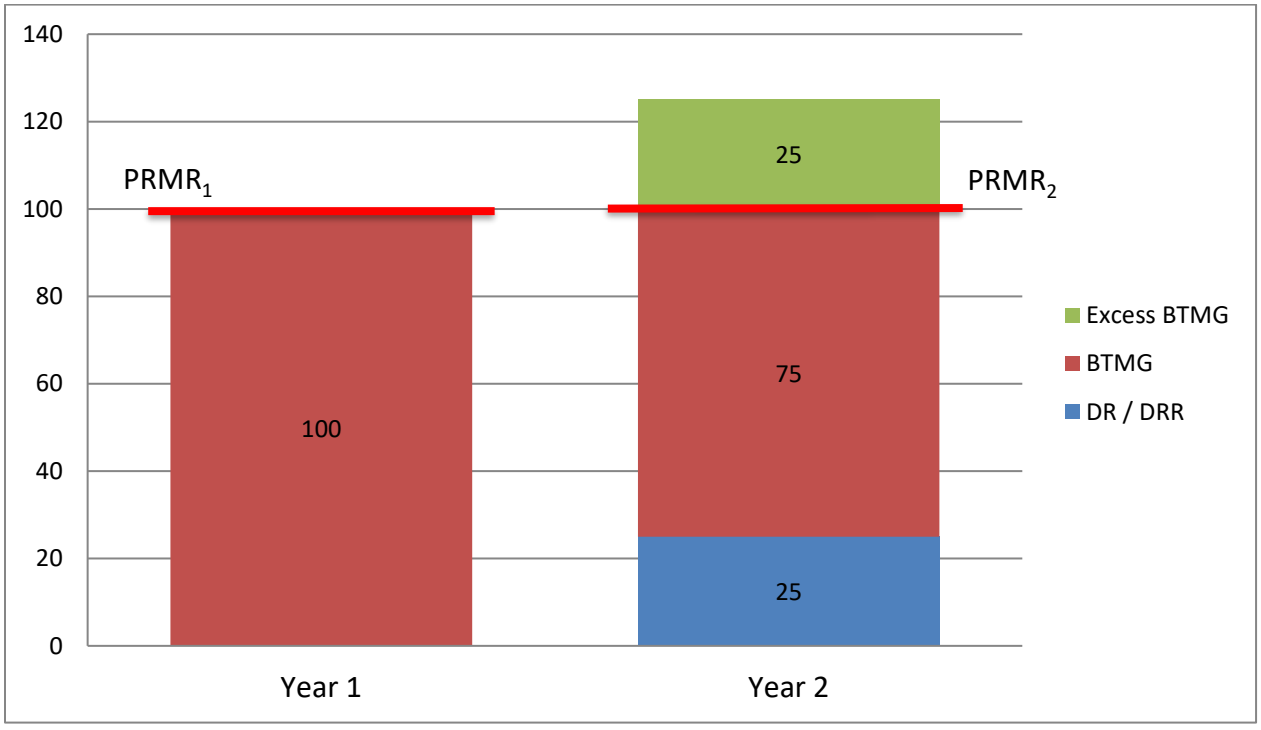
1. Increase in BTMG and No Change to Seasonal PRMR

The chart below illustrates the scenario in which a Market Participant experiences an increase in BTMG SAC from one year to the next while PRMR remains unchanged. In Year 1, the chart shows that the BTMG SAC is 100 MW and the seasonal PRMR is 100 MW; therefore, the Market Participant has no "Excess BTMG" in Year 1. Between Year 1 and Year 2, the Market Participant experiences an increase in BTMG of 25 MW—however, seasonal PRMR remains unchanged. In Year 2, the chart shows that BTMG SAC is 125 MW and the seasonal PRMR is 100 MW; therefore, the Market Participant has 25 MW of "Excess BTMG" in Year 2.



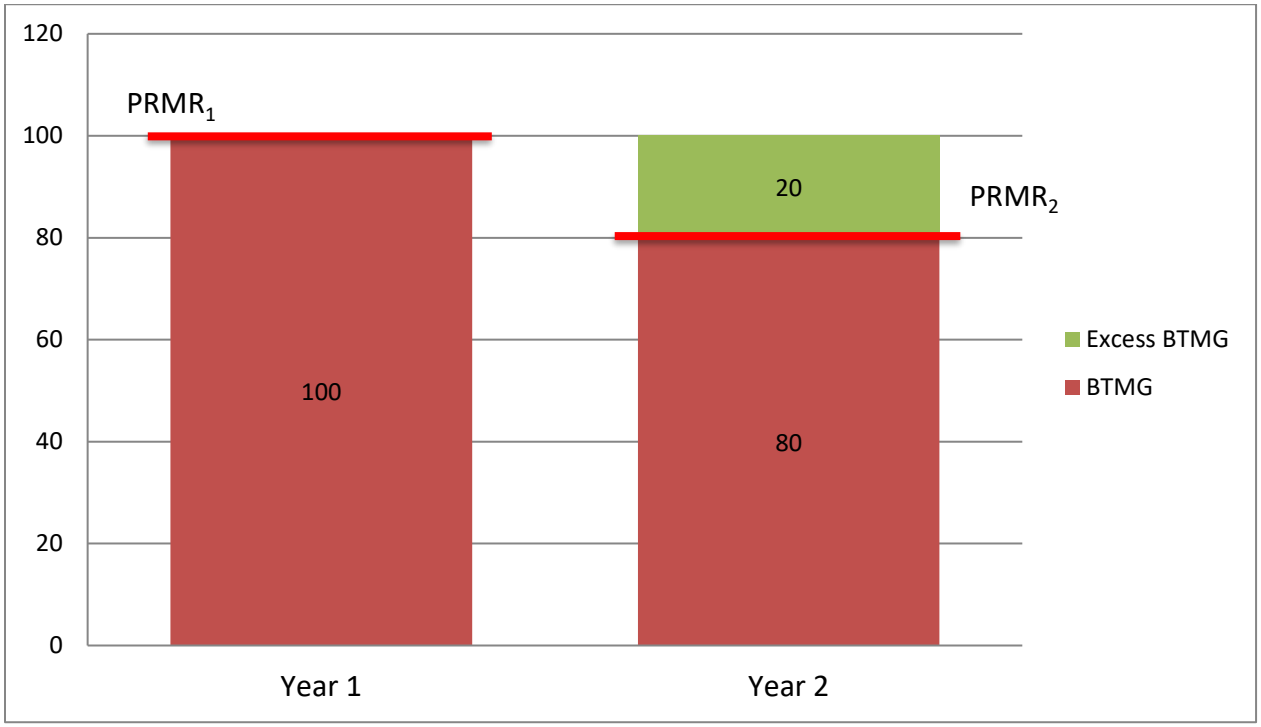
2. Increase in Demand Resources and/or Demand Response Resources and No Change to PRMR

The chart below illustrates the scenario in which a Market Participant experiences an increase in DR / DRR SAC from one year to the next while seasonal PRMR remains unchanged. In Year 1, the chart shows that the BTMG SAC is 100 MW and the seasonal PRMR is 100 MW; therefore, the Market Participant has no "Excess BTMG" in Year 1. Between Year 1 and Year 2, the Market Participant experiences an increase in DR / DRR SAC of 25 MW, however, seasonal PRMR remains unchanged. In Year 2, the chart shows that DR / DRR is 25 MW and BTMG is 100 MW and the seasonal PRMR is 100 MW. Since DR / DRR is netted against seasonal PRMR, the BTMG is stacked on top of the DR / DRR; therefore, the Market Participant has 25 MW of "Excess BTMG" in Year 2.



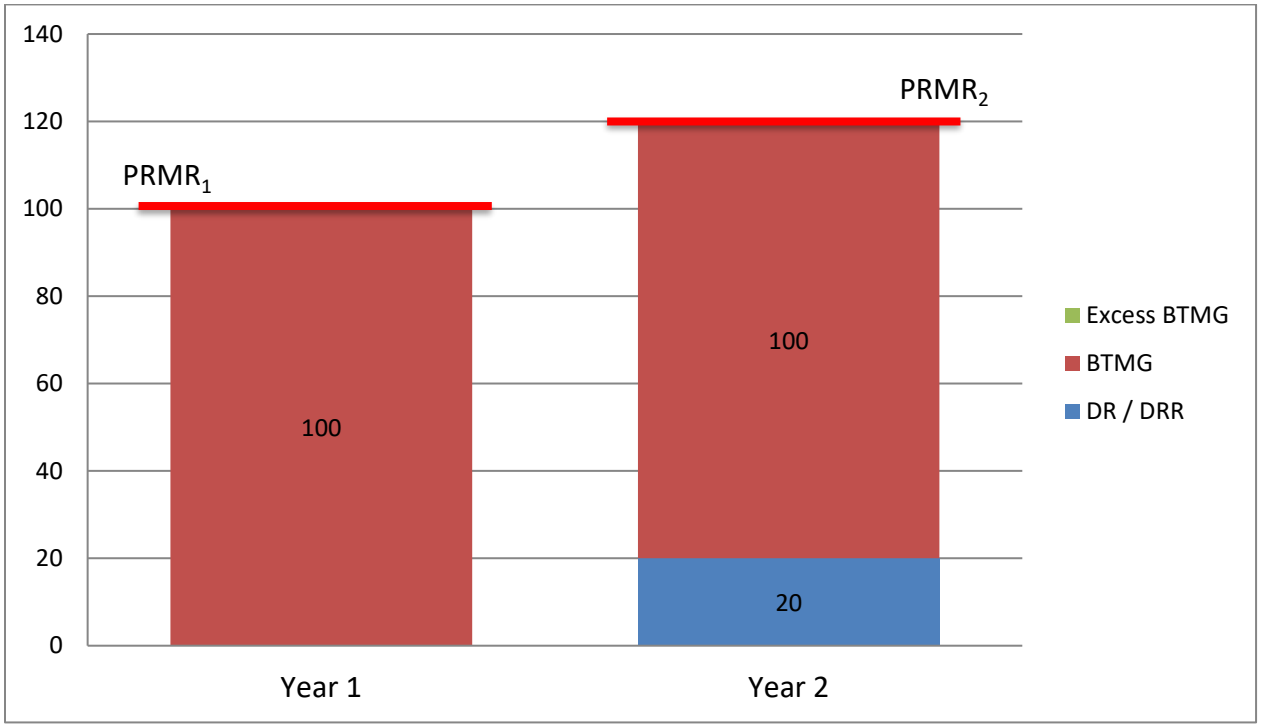
3. No Change to BTMG and Decrease to Seasonal PRMR

The chart below illustrates the scenario in which a Market Participant experiences a decrease in seasonal PRMR from one year to the next while BTMG SAC remains unchanged. In Year 1, the chart shows that the BTMG is 100 MW and the seasonal PRMR is 100 MW; therefore, the Market Participant has no “Excess BTMG” in Year 1. Between Year 1 and Year 2, the Market Participant experiences a decrease in seasonal PRMR of 20 MW, however, BTMG SAC remains unchanged. In Year 2, the chart shows that BTMG is 100 MW the seasonal PRMR is now 80 MW; therefore, the Market Participant has 20 MW of “Excess BTMG” in Year 2.



4. Equal Amount Increase in DR / DRR and Seasonal PRMR

The chart below illustrates the scenario in which a Market Participant experiences an equal increase in DR / DRR SAC and seasonal PRMR from one year to the next while BTMG SAC remains unchanged. In Year 1, the chart shows that the BTMG is 100 MW and the seasonal PRMR is 100 MW; therefore, the Market Participant has no "Excess BTMG" in Year 1. Between Year 1 and Year 2, the Market Participant experiences an equal increase in DR / DRR and seasonal PRMR of 20 MW each, however, BTMG remains unchanged. In Year 2, the chart shows that DR / DRR is 20 MW, BTMG is 100 MW and the seasonal PRMR is 120 MW. Since DR / DRR is netted against seasonal PRMR, the BTMG is stacked on top of the DR / DRR, however, due to the equal increase in DR / DRR and seasonal PRMR there is no "Excess BTMG" in Year 2.



Appendix T – ICAP Deferral Notice

ICAP Deferral Notice
Midcontinent Independent System Operator
720 City Center Drive
Carmel, IN 46032-7574
Attn.: Resource Adequacy
(Delivered via email to help@misoenergy.org)

[Current Date]

[Insert Company Name] ICAP Deferral Notice – [Planning Resource Name/CPNode Name, if applicable]
Select Planning Resource being deferred:
☐Generation Resource – [Insert CPNode Name, Unit Number]
☐Dispatchable Intermittent Resource (DIR) – [Insert Name]
☐Demand Response Resource (DRR) – [Insert Name]
☐External Resource – [Insert Name]
☐Behind the Meter Generation (BTMG) – [Insert Name]

Dear Resource Adequacy,

[Insert Company Name] is providing this written notification in accordance with Section 69A.7.9 of the Midcontinent Independent System Operator (MISO) Tariff, Module E-1 Resource Adequacy regarding an Installed Capacity (ICAP) Deferral for the Planning Resource selected above. [Insert Company Name] intends to increase ICAP between March 1 and the last Business Day of the applicable Season(s) for the [Insert Planning Year] Planning Year.

[Contact Name, Phone Number and Email]	Planning Resource Type
MISO MP ID/NERC ID of Company	
Planning Resource Name	
Local or External Resource Zone (LRZ or ERZ) where located	
Planning Resource Fuel Type	
Estimated ICAP Value (MW) *Note: this is the total ICAP value not the incremental increased value from a prior ICAP*	Summer
	Fall
	Winter
	Spring
Check applicable deferred Season(s)	Summer [ ], Fall [ ], Winter [ ], Spring [ ]
Estimated completion date of ICAP	
Reason for deferring (See Appendix U)	
Please fill out the following that is applicable to the Planning Resource being deferred:	
Generator Interconnection Agreement (GIA) Number and expected contract execution date *Note: only necessary if deferral includes upgrades to Interconnection Service*	

Expected NRIS and ERIS values with Interconnection Service upgrades	
Commercial Operation Date	
TSR Number	

Sincerely,
[Name], [Title – must be an officer], [Company Name], [Contact Information]

Appendix U – ICAP Deferral Examples

- Deliverability

Example 1: Unit is capable of testing at 150 MW, but currently only has 100 MW of NRIS with MISO. The unit is in the queue to have its NRIS increased to 150 MW by the last Business Day prior to the start of a Season in the upcoming Planning Year. Although the difference is 50 MW, the MP would submit an ICAP Deferral Notice for the total ICAP amount of 150 MW. For a Schedule 53 resource, even though the ICAP will increase, SAC will not. For a non-Schedule 53 resource, both ICAP and SAC will increase.

- Increased GVTC and Deliverability

Example 1: Unit currently tested for 100 MW and has 100 MW of NRIS. The unit is in the queue to have NRIS increased to 150 MW and plans to retest after upgrades are in place. Although the difference is 50 MW, the MP would submit an ICAP Deferral Notice for the total ICAP amount of 150 MW. Please note that the current unit should already submit a GVTC test of 100 MW by October 31.

- Commercial Operation

Example 1: The unit currently is subject to an environmental regulation that prevents the unit from operating. The unit is in the process of installing additional equipment to comply with the new environmental regulation. Thus, the unit is deferring GVTC until after all necessary approvals are completed.
Example 2: A resource that is a Dispatchable Intermittent Resource (DIR) would not submit GVTC, but instead receives capacity accreditation based on past historical data. If a DIR is new and is not expected to have Commercial Operation approved until after March 1, then it would be eligible to qualify for capacity credit by submitting an ICAP Deferral for Commercial Operation if Commercial Operation is expected before the last Business Day of prior to the deferred Season.
Example 3: The unit is currently waiting for upgrades to existing Interconnection Service and the upgrades have been completed, however, the unit has yet to be declared Commercial with MISO. The resource owner needs to file an Exhibit E with MISO Resource Integration to finalize the Commercial Operation of the unit. The unit must be in the March Commercial Model prior to the start of the Planning Year. Once this has been done, the Commercial Operation deferral will be considered complete. The resource owner should assist with coordination with MISO Resource Adequacy and MISO Resource Integration throughout the process.

- Suspension of Catastrophic Outage

Example 1: A unit is planning to return from suspension in August and will submit a new GVTC for the upcoming Fall Season prior to the last Business Day of the summer Season. Units returning from suspension are required to retest. The MP may defer the retested value.

- TSR Number

Example 1: A unit is planning to participate in the upcoming Planning Year; however, the unit does not have a Transmission Service Request (TSR) or NITS Scheduling Rights (SR) on the MISO OASIS with a status of “Confirmed” by March 1 to convert the SAC to ZRC to offer into the Auction. The unit expects to have its TSR or SR Confirmed by MISO prior to the last Business Day of prior to the start of the deferred Season. Once the TSR achieves “Confirmed” status on the MISO OASIS, the MP should reach out to help.misoenergy.org. If the TSR or SR status is “Confirmed” prior to June 1, the deferral requirement has been met.

- Additional GVTC Examples

Example 1: The unit defers 100 MW and the test submitted is for 80 MW. The unit is required to replace the UCAP value of 20 ICAP MW. For example, if the XEFORd for the unit is 25%, then the deferred ZRCs is 75 and the submitted test ZRCs is 60. The MP is required to replace the difference of 15 ZRCs through Resource Replacement, Interconnection Service, Cleared Volumes, Bi-lateral ZRC transactions, etc.

Appendix V – Solar and Run-of-River Hydro Accreditation

This appendix walks through examples for calculating solar and run-of-river hydro accreditation. For existing solar resources, the total Seasonal Accredited Capacity (SAC) is determined by the historical average output of the resource during the Summer, Fall, and Spring Seasons for the hours ending 15, 16, and 17 EST and for hours ending 8, 9, 19, and 20 EST for the Winter Season. Existing run-of-river hydro resources can submit up to 15 years of output data over the same hours as for solar resources, with total SAC determined by the median of that data. Market Participants will use the Non-GADS Performance Template found on the MISO website to submit the appropriate historical data for the upcoming Planning Year. The Non-GADS Performance Template can be found on the MISO website under Planning > Resource Adequacy > PRA Documents > PY (Current Plan Year). The populated template should be submitted to MISO by October 31 of each year via the Module E Capacity Tracking (MECT) tool.

For new solar resources, the maximum SAC that can be accredited is 50% for summer, fall, and spring and 5% for winter of the unit's registered maximum output or nameplate capacity. To convert all SAC to seasonal ZRCs, the resource would need to show firm deliverability through NRIS or ERIS with a firm TSR equaling the resource's ICAP value.

For existing solar resources, the historical performance used to calculate the resource's total SAC for a given Season is based on their average output over the defined seasonal peak hours for the last 3 years.

- The amount of total SAC that is convertible into ZRCs is based on the amount of deliverability (NRIS or ERIS with a firm TSR)
- Convertible SAC = total SAC * (deliverability-adjusted capacity factor / peak performance capacity factor)
- Where:
    - Peak performance capacity factor is calculated is calculated by taking an average of the resource's output and then dividing by nameplate capacity.
    - Deliverability-adjusted capacity factor is calculated by adjusting the adjusting output across the seasonal peak hours so that it is capped to the resource's deliverability, taking an average of the resource's output, and then dividing by nameplate capacity.

The examples below show how solar capacity credit is calculated for new resources in the Summer Season only—however, the examples may also be applied to run-of-river hydro resources as well. For the purposes of the examples, the following information will be used in each:

Solar Nameplate = 10 MW
Transmission Losses (vary by LBA) = 5%
Solar Class Average Summer Capacity Credit = 50%
Year 1 Average Historical Summer Output = 6.5 MW (Year 1 data only)
Year 2 Average Historical Summer Output = 7.0 MW (Average of Years 1 and 2 data)

Example 1: New solar (or run-of-river hydro) resources with less than 30 consecutive Summer days or no Summer data

In this example, the new solar resource does not have any historical Summer performance data to submit. Thus, the solar resource will receive the solar class average accreditation for the initial Summer Season in the Planning Year. In Year 2, the resource will use the average (run-of-river hydro resources use a median value) historical Summer performance from Year 1 to determine the accredited amount. In Year 3, the resource will use the average historical Summer performance from Years 1 and 2. In Year 4, the resource will use the average historical Summer performance from Years 1, 2, and 3. In Year 5, the average historical Summer performance from Year 1 will be replaced by Year 4 and the cycle will continue to repeat year-over-year using the 3 most recent years of average historical Summer performance. Below are examples of how both BTMG and CPNode solar resources will be accredited.

BTMG

Year 1 → SAC_{BTMG} = Nameplate capacity * seasonal class credit * (1 + Transmission Losses)
→ SAC_{BTMG} = 10 * 50% * (1 + 5%)
→ SAC_{BTMG} = 5.25

Year 2 → SAC_{BTMG} = 10 * (65%) (1 + 5%)
→ SAC_{BTMG} = 6.8 (rounded to tenth decimal place)

Year 3 → SAC_{BTMG} = 10 * (70%) (1 + 5%)
→ SAC_{BTMG} = 7.4 (rounded to tenth decimal place)

CPNode

Year 1 → Total SAC_{CPNode} = Nameplate capacity * seasonal class credit

→ Total SAC_{CPNode} = 10 * (50%)
→ Total SAC_{CPNode} = 5.0

Year 2 → Total SAC_{CPNode} = 10 * (65%) = 6.5

Year 3 → Total SAC_{CPNode} = 10 * (70%) = 7.0

Example 2: New solar resource with at least 30 consecutive Summer days

In this example, the new solar resource has at least 30 consecutive Summer days of performance. Thus, the solar resource will not receive the solar class average for the initial Planning Year. In Year 1, the average historical Summer performance from Commercial Operation data will be used to determine the accredited amount. In Year 2, the resource will use the average historical Summer performance from Year 1 and 2. In Year 3, the resource will use the average historical Summer performance from Years 1, 2, and 3. In Year 4, the average historical Summer performance from Year 1 will be replaced by Year 4 and the cycle will continue to repeat year-over-year using the 3 most recent years of average historical Summer performance.

BTMG

Year 1 → SAC_{BTMG} = Nameplate capacity * seasonal class credit * (1+ Transmission Losses)
→ SAC_{BTMG} = 10 * (65%) * (1 + 5%)
→ SAC_{BTMG} = 6.8 (rounded to tenth decimal place)

Year 2 → SAC_{BTMG} = 10 * (70%) * (1 + 5%)
→ SAC_{BTMG} = 7.4 (rounded to tenth decimal place)

CPNode

Year 1 → Total SAC_{CPNode} = Nameplate capacity * seasonal class credit
→ Total SAC_{CPNode} = 10 * (65%)
→ Total SAC_{CPNode} = 6.5

Year 2 → Total SAC_{CPNode} = 10 * (70%)
→ Total SAC_{CPNode} = 7.0

Once the total SAC value for a resource has been determined, it is compared with the Interconnection Service assigned to that resource. Resources that are fully deliverable are eligible to convert all of their total SAC to ZRCs with no further action needed.

For resources that are not fully deliverable, having either partial or no deliverability, the following steps would be used:

1) MISO calculates a deliverability-adjusted capacity factor for the resource.

2) For SAC not considered convertible, the Market Participant may choose to obtain firm Transmission service in some level to convert some or all of the undeliverable SAC to Convertible. MISO supplies documentation to the MP on the MECT tool that can be used to determine the level of SAC that can be converted given some level of firm Transmission obtained.

3) Subsequently, the MP uses the Confirm SAC function to move the desired Convertible SAC amount to the Convert SAC MECT page. Once there, the associated firm Transmission information is entered after selecting the ERIS SAC value.

4) After MISO approval of the firm Transmission data that was entered by the MP, the SAC may then be converted to ZRCs for use in the PRA.

SAC is allocated by type of Interconnection Service (NRIS or ERIS with a TSR). SAC associated with ERIS may be converted into Zonal Resource Credits for use in the PRA with an approved Transmission Service Request.

Appendix X – Hybrid and Co-Located Resource Accreditation

This appendix describes the accreditation process for Hybrid Resources and Co-Located Resources. A Hybrid Resource is defined as a resource that is comprised of two or more separate Electric Facilities that share a single Point of Interconnection and that provides a single energy offer in the MISO DA/RT Energy Markets. A Co-Located Resource is defined as a resource that is comprised of two or more separate Electric Facilities that share a single Point of Interconnection where each separate Electric Facility provides separate energy offers in the MISO DA/RT Energy Markets.

Hybrid Resources and Co-Located Resources will be accredited in one of two phases depending on how much operating data is available. The Phase I – Sum of Parts approach will apply default class accreditation values for each separate Electric Facility comprising the Hybrid Resource or Co-Located Resource. The Phase II – Availability-based approach will consist of tracking the historic availability of each separate Electric Facility of the Hybrid Resource or Co-Located Resource. A Hybrid Resource or Co-Located can be Phase I for a Season and then get Phase II for a subsequent Season that it has operational data for. Once a Hybrid Resource begins receiving Phase II availability-based accreditation, the resource will continue to receive Phase II availability-based accreditation.

For Co-Located Resources, allocation of total Interconnection Service at the shared Point of Interconnection among the separate Electric Facilities must be provided to MISO Resource Adequacy staff by the incumbent Asset Owner, or the Market Participant(s) representing the incumbent Asset Owner, prior to conversion of Seasonal Accredited Capacity (SAC) to Zonal Resource Credits (ZRCs).

Phase I – Sum of Parts

Each Hybrid Resource or Co-Located Resource may be operating in very different ways from other Hybrid Resources or Co-Located Resources with a similar configuration depending on the goals of the resource owner and operator. Until historical operating data exists, default class accreditation values for each separate Electric Facility comprising the Hybrid Resource or Co-Located Resource will be applied. Co-Located Resource owners must inform MISO how the total Interconnection Service granted at the shared Point of Interconnection should be allocated among each separate Electric Facility for conversion purposes. Phase I accreditation will apply for each Season until a minimum of 30 consecutive historical days of operation for the corresponding Season have been observed.

For Phase I, Market Participants must submit a populated Non-GADS Performance Template to MISO through the MECT for each separate Electric Facility that includes the nameplate capacity (or registered maximum output from the Commercial Model) and resource type of each Electric Facility, unless the Electric Facility qualifies as a Schedule 53 resource.

Phase II – Availability-based

Phase II accreditation will apply after a Hybrid Resource or Co-Located Resource has sufficient operating history to determine a resource-specific seasonal accreditation value.

Availability is measured as historical net output (exception for ESR below) and will be determined in the following ways:

- For Hybrid Resources, the combined historical net output of each Electric Facility, provided via a single populated Non-GADS Performance Template.
- For Co-Located Resources, the separate historical net output of each Electric Facility, provided via several populated Non-GADS Performance Templates.
- For the ESR component of a Hybrid Resource or Co-Located Resource, availability for a given hour will be measured as the maximum of the net output or the output potential on that hour. Output potential should be determined as the minimum of the Hourly Equivalent Discharge Amount or the state of charge minus the Emergency Minimum Energy Storage Limit for a given hour.

Market Participants must submit Non-GADS Performance Templates to MISO through the MECT. In addition to historical operating performance, populated Non-GADS Performance Templates must include nameplate capacity (or registered maximum output from the Commercial Model) and resource type.

Appendix Y – SAC Calculations for Schedule 53 Resources

This appendix describes the process of calculating Seasonal Accredited Capacity (SAC) for Schedule 53 Resources.

1. Identification of Resource Adequacy Hours

Resource Adequacy (RA) Hours represent the periods of highest risk and greatest need during a Season and throughout the year. They include Emergency Declaration periods and the hours when the operating margin, a measure of available supply capacity above Demand and reserve requirements, is at its lowest. RA Hours are determined seasonally and at a subregional level (North/Central and South) based on emergency events, the tightest operating margin hours (65 hours per Season), and a maximum operating margin threshold established at 25 percent.

RA Hours will be used to determine each resources' availability for calculating its seasonal accreditation. The number of RA Hours in a Season can exceed the target when a high number of hours during declared system or subregional emergencies occurs.

Provisions also ensure Seasons have a minimum target number of RA Hours by supplementing any deficient hours with Annual Average Offered Capacity (AAOC) over all RA hours across the year. The RA Hours used for determining the AAOC (or AAOC Hours) are the hours with emergency events and the tightest 3 percent of operating margin hours below the 25% threshold for each year, up to 260 hours per year. The AAOC Hours are determined on a sub-regional (North/Central and South) basis. Not all AAOC Hours are RA hours.

1.1 **Definition and Identification of RA Hours**

RA Hours are defined over the three most recent historical years from September - August, based on declared MaxGen alert, warning and event hours supplemented by the tightest 3 percent of hours per Season where the realized operating margin for the region is at or below the threshold of 25 percent.

1.1.2 Hourly Operating Margin Calculation

The Operating Margin is determined using historical information to identify RA Hours and AAOC Hours within the three (3) most recent periods beginning September 1 and ending August 31.

We first express the power balance between load and supply, where:

$$Load = Thermal\ Resource\ Energy + Renewable\ Energy + Net\ Scheduled\ Interchange \quad (1)$$

$$Supply = Thermal\ Resource\ EmergencyMax + Renewable\ Energy + Net\ Scheduled\ Interchange - Operating\ Reserve \quad (2)$$

Substituting (1) into (2), we have

$$Margin(MW) = [Thermal\ EmergencyMax + Renewable\ Energy + Net\ Scheduled\ Interchange\ (NSI)] - [Thermal\ Energy + Renewable\ Energy + Net\ Scheduled\ Interchange] - Operating\ Reserve = Thermal\ Resource\ EmergencyMax - Thermal\ Resource\ Energy - Operating\ Reserve$$

The power balance between equation (1) and (2) suggests the renewable Energy and net-scheduled interchange have been implicitly reflected in the margin calculation but has no impact on the overall margin calculation used for RA hour identification as in the steps below.

By re-arranging the $Margin(MW)$ and broken down to online and offline components, we re-express the Operating Margin Equation as below

$$Operating\ Margin\ (\%)_j = \frac{Online\ margin\ (MW)_j + offline\ margin\ (12\ hour\ leadtime)(MW)_j}{Real\ Time\ (RT)Load\ (MW)_j}$$

Where:

$$Online\ margin\ (MW)_j = \sum_{unit\ i\ in\ region\ j} (EmergencyMax_i - EnergyMW_i - cleared\ operating\ reserve_i)$$

for all Resources that are online and under normal dispatch control; and

$$Offline\ margin\ (MW)_j = \sum_{unit\ i\ in\ region\ j} (EmergencyMax_i - cleared\ offline\ supplement\ reserve_i)$$

for Resources where all of the following is true: (i) Resource is Offline; (ii) its cold-start lead-time is less than or equal to 12 hours; and (iii) it is not on outage.

Load Modifying Resource (LMR), and Emergency Demand Response (EDR) are excluded in the Online margin (MW) and Offline margin (MW) calculations because they require emergency declarations in order to access.

1.1.2 Selection of RA Hours

Hours during which MaxGen declarations are in effect automatically become RA Hours, including all MaxGen Alert, Warning, or Event hours declared in each Season within each of the three (3) most recent September-August periods.

For non-MaxGen declaration hours in each of the 12 Seasons of the past three-year period, additional RA Hours with the tightest margin will be identified until reaching the (65 hours) for

each Season; if a Season already has more than 65 hours because of MaxGen declaration, this step will be skipped.

Finally, a maximum margin threshold is applied to exclude hours with an operating margin greater than 25 percent.

Going through the steps above, some Seasons will have more than 65 hours because of MaxGen declarations, while some other Seasons may have less than 65 hours if there are hours excluded based on the 25 percent maximum margin threshold criterion and a low number of hours with MaxGen declarations, reflecting underlying Demand, supply and weather conditions. The deficiency from the 65 target hours leads to the need for AAOC Hour as described in the next section.

Additionally, each individual resource will have its own set of RA hours that are dependent on outage exemptions and whether it was designated for Resource Adequacy Requirements (RAR) in previous year's seasonal auctions. Like the system-wide RA hours, if a resource has deficient RA hours in a Season, that resource's AAOC will be supplemented for the deficient hours.

Non-RAR resources are not subject to SAC calculation using seasonal RA and AAOC hours.

If the unit was designated as RAR within the 3-year lookback period, the following logic will apply.

- When a unit is RAR and has 60 days or more during the 3-year lookback period of that particular Season's operational data, for that Season SAC will be calculated with that historical operational data. Operating days that a unit was in full outage will be excluded from the statistics.
- If the unit has less than 60 days of data designated as a RAR for that Season over the 3-year lookback period they will receive Schedule 53 seasonal class average SAC accreditation. Operating days that a unit was in full outage will be excluded from the statistics.
- For resources that have a generation capacity change due to upgrades or seasonalization that had a non-zero offer historically, the RT EmerMax will be prorated based on the capacity change/ICAP% of the historical offers, capped at the new GVTC of the resource.
- For resources that have a generation increase due to upgrades or seasonalization, that have zero historical offer information, will receive Schedule 53 seasonal class average SAC accreditation for that Season

- In the case where a schedule 53 generator was derated due to transmission limitations imposed by the incumbent Transmission Operator, the MP can work with MISO to determine if any exemptions for those hours can be granted
- Exemption status for a unit's outage should be validated and resolved with MISO if needed, per timeline defined in BPM-008 (Business Manual -- Outage Operations)

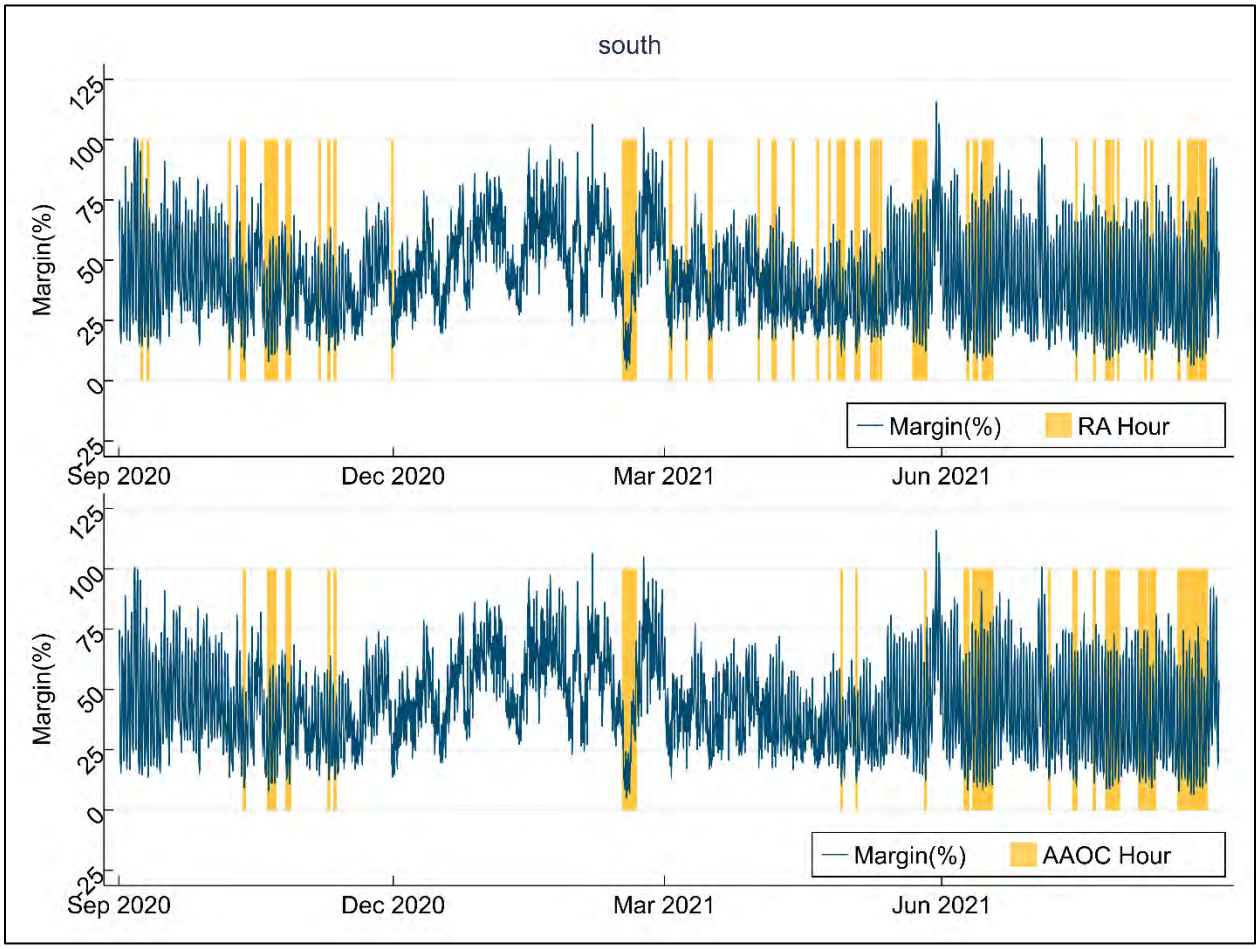
1.1.3 Selection of AAOC RA Hour

Hours where MaxGen declarations are in effect automatically become AAOC RA Hours, including all MaxGen Alert, Warning, or Event hours declared in each Season within the three (3) most recent periods.

For the rest of non-MaxGen declaration hours in each year of the past three-year periods, additional AAOC RA Hours with the tightest margin will be identified until reaching the (260 hours) for each year. For a unit to receive exemption for an AAOC hour they must have Tier 2 exemption during that hour.

1.1.4 Illustration of Selected RA Hour

The figure below, using South region as example, illustrates the variation of hourly Margin (%) between September 1, 2020, and August 31, 2021, and labels the selected RA Hour / AAOC Hour. In this example, there are 65 RA Hours identified in each of the four Seasons, hence the AAOC Hour will not be needed for backfilling any deficiency hour.



1.2 **Seasonal Accredited Capacity Calculation**

Resource Accreditation should reflect the anticipated capability and availability of Planning Resources during times when they are most needed. The following sections illustrate the two-tiered weighting structure to calculate Intermediate Seasonal Accredited Capacity (ISAC) reflecting general availability while emphasizing availability during times of greatest need. Each Resource will have its ISAC determined based on its Real-Time offered availability (Emergency Maximum Limit) during seasonal RA Hours (Tier 2) as described in Section 1.1 and Non-RA Hours (Tier 1).

1.2.1 Prepare Hourly Real-Time Offered Availability Dataset

The first step is to prepare the hourly Real-Time Offered Availability dataset for a Resource, including (1) hourly timestamp (EST); (2) offered Real-Time availability (EmerMax MW); (3) lead time(Start up time + Start up notification time) (in hours); (4) binary indicator if a resource is in outage from either the commit status or from records in Control Room Operations Window (CROW) Outage Scheduler; (5) binary identifier indicating if a Resource is online.; (6) ICAP (MW); and (7) binary indicator if a resource has received outage exemption.

Figure below provides a sample screenshot of the dataset, using a sample Resource located in Central/North region. If a Resource is in Derated status but not in outage, its offered availability already accounts for the impact of derates.

season	timeest	RT Offer EmerMax (MW)	Cold Leadtime (hours)	Outage Identifier (1=Out-of-Service)	Online Identifier (1=online)	ICAP	Outage Exemption Identifier (1=Exemption)
summer	2020-07-29 00:00:00	76	1	0		71.6	0
summer	2020-07-29 01:00:00	76	1	0		71.6	0
summer	2020-07-29 02:00:00	77	1	0		71.6	0
summer	2020-07-29 03:00:00	77	1	0		71.6	0
summer	2020-07-29 04:00:00	77	1	0		71.6	0
summer	2020-07-29 05:00:00	77	1	0		71.6	0
summer	2020-07-29 06:00:00	77	1	0		71.6	0
summer	2020-07-29 07:00:00	77	1	0	1	71.6	0
summer	2020-07-29 08:00:00	76	1	0	1	71.6	0
summer	2020-07-29 09:00:00	75	1	0	1	71.6	0
summer	2020-07-29 10:00:00	75	1	0	1	71.6	0
summer	2020-07-29 11:00:00	75	1	0	1	71.6	0
summer	2020-07-29 12:00:00	75	1	0	1	71.6	0
summer	2020-07-29 13:00:00	75	1	0	1	71.6	0
summer	2020-07-29 14:00:00	75	1	0	1	71.6	0
summer	2020-07-29 15:00:00	75	1	0	1	71.6	0
summer	2020-07-29 16:00:00	75	1	0	1	71.6	0
summer	2020-07-29 17:00:00	75	1	0	1	71.6	0
summer	2020-07-29 18:00:00	75	1	0	1	71.6	0
summer	2020-07-29 19:00:00	75	1	0	1	71.6	0
summer	2020-07-29 20:00:00	75	1	0	1	71.6	0
summer	2020-07-29 21:00:00	75	1	0	1	71.6	0
summer	2020-07-29 22:00:00	75	1	0	1	71.6	0
summer	2020-07-29 23:00:00	76	1	0	1	71.6	0

In sample data above, the outage indicator is set to 1 (outage) either if there is a valid full outage ticket in CROW or the unit was offered as outaged in real time for the specific hour. The online indicator is based on unit's control mode from ICCP data as described in 2.4.7 in BPM-031 (ICCP Data Requirement).

1.2.2 Prepare Calculation for Annual Average Offered Capacity (AAOC)

If a Resource does not have 65 RA hours in a Season, AAOC is needed for backfilling the availability during deficiency hours in later steps. To calculate AAOC, the RT Offer EmerMax data is paired with AAOC hours by timestamp. Availability (MW) during AAOC hour is then generated through these following steps:

(1) Set availability = Min (ICAP, Real-Time Offer EmerMax) during AAOC hour; this step caps RT Offer EmerMax at ICAP;

(2) Set availability = zero if a Resource is in outage (based on outage identifier) during AAOC Hour;

(3) Set availability = zero if a Resource is not online and not in outage and has lead time (Start up time + Start up notification time) greater than 24 hours during AAOC Hour.

(4) Set availability = NULL if a Resource has been granted outage exemption during AAOC Hour.

Figure below shows the sample dataset fragment after generating the availability (MW) during AAOC hour through the steps described above.

season	timeest	RT Offer EmerMax (MW)	Cold Leadtime (hours)	Outage Identifier (1=Out-of-Service)	Online Identifier (1=online)	ICAP	Outage Exemption Identifier (1=Exemption)	Annual RA Hour Identifier (Classic)	Availability in AAOC Hour (MW) after Outage Exemption
summer	2020-07-29 00:00:00	76	1	0		71.6	0		
summer	2020-07-29 01:00:00	76	1	0		71.6	0		
summer	2020-07-29 02:00:00	77	1	0		71.6	0		
summer	2020-07-29 03:00:00	77	1	0		71.6	0		
summer	2020-07-29 04:00:00	77	1	0		71.6	0		
summer	2020-07-29 05:00:00	77	1	0		71.6	0		
summer	2020-07-29 06:00:00	77	1	0		71.6	0		
summer	2020-07-29 07:00:00	77	1	0	1	71.6	0		
summer	2020-07-29 08:00:00	76	1	0	1	71.6	0		
summer	2020-07-29 09:00:00	75	1	0	1	71.6	0		
summer	2020-07-29 10:00:00	75	1	0	1	71.6	0		
summer	2020-07-29 11:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 12:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 13:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 14:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 15:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 16:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 17:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 18:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 19:00:00	75	1	0	1	71.6	0	1	71.6
summer	2020-07-29 20:00:00	75	1	0	1	71.6	0		
summer	2020-07-29 21:00:00	75	1	0	1	71.6	0		
summer	2020-07-29 22:00:00	75	1	0	1	71.6	0		
summer	2020-07-29 23:00:00	76	1	0	1	71.6	0		

1.2.3 Prepare Calculation for Intermediate Seasonal Accredited Capacity (ISAC)

To calculate SAC, the RT Offer EmerMax data is paired with RA Hour by timestamp. Availability (MW) during RA Hour is then generated through these following steps:

For availability during Tier 1 Non-RA Hour:

(1) Set availability = Min (ICAP, Real-Time Offer EmerMax) during Tier 1 Non-RA hour; this step caps RT Offer at ICAP;

(2) Set availability = zero if a Resource is in outage (based on outage identifier) during Tier 1 Non-RA Hour;

(3) Set availability = NULL if a Resource has been granted outage exemption during Tier 1 Non-RA Hour.

For availability during Tier 2 RA Hour:

(1) Set availability = Min (ICAP, Real-Time Offer EmerMax) during Tier 2 RA hour; this step caps RT Offer at ICAP;

(2) Set availability = zero if a Resource is in outage (based on outage identifier) during Tier 2 RA Hour;

(3) Set availability = zero if a Resource is not online and not in out-of-service outage and has lead time (start up time + Start up notification time) greater than 24 hours during Tier 2 RA Hour;

(4) Set availability = NULL if a Resource has been granted outage exemption during Tier 2 RA Hour.

Figure below shows the sample dataset fragment after generating the availability (MW) during seasonal Tier 1 and Tier 2 RA hour through the steps described above.

season	timeest	RT Offer EmerMax (MW)	Cold Leadtime (hours)	Outage Identifier (1=Out-of-Service)	Online Identifier (1=online)	ICAP	Outage Exemption Identifier (1=Exemption)	Seasonal RA Hour Identifier (Classic)	Availability in Seasonal Tier 1 (non-RA) Hour (MW) after Outage Exemption	Availability in Seasonal Tier 2 RA Hour (MW) after Outage Exemption
summer	2020-07-29 00:00:00	76	1	0		71.6	0		71.6	
summer	2020-07-29 01:00:00	76	1	0		71.6	0		71.6	
summer	2020-07-29 02:00:00	77	1	0		71.6	0		71.6	
summer	2020-07-29 03:00:00	77	1	0		71.6	0		71.6	
summer	2020-07-29 04:00:00	77	1	0		71.6	0		71.6	
summer	2020-07-29 05:00:00	77	1	0		71.6	0		71.6	
summer	2020-07-29 06:00:00	77	1	0		71.6	0		71.6	
summer	2020-07-29 07:00:00	77	1	0	1	71.6	0		71.6	
summer	2020-07-29 08:00:00	76	1	0	1	71.6	0		71.6	
summer	2020-07-29 09:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 10:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 11:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 12:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 13:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 14:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 15:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 16:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 17:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 18:00:00	75	1	0	1	71.6	0	1		71.6
summer	2020-07-29 19:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 20:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 21:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 22:00:00	75	1	0	1	71.6	0		71.6	
summer	2020-07-29 23:00:00	76	1	0	1	71.6	0		71.6	

1.2.4 Calculation of Annual Average Offered Capacity (AAOC)

For each of the past three years, the AAOC is calculated as the sum of availability over AAOC hours, divided by the total number of AAOC hours (excluding outage exemption hours) in each year, as shown in the table below for a sample resource.

CY	# AAOC Hours	Sum of Availability (MW) over AAOC Hours	Annual Average Offered Capacity (MW)
Formula Key	A	B	B/A
CY17Sept18Aug	260	15,990	62
CY18Sept19Aug	260	17,444	67
CY19Sept20Aug	243	17,171	71

1.2.5 Calculation of Intermediate Seasonal Accredited Capacity (ISAC)

For Non-RA Hours (Tier 1), Intermediate Seasonal Accredited Capacity is calculated as the sum of availability over seasonal Tier 1 Non-RA hours, divided by the total number of seasonal Tier 1 Non-RA hours across the past three years.

CY	Season	# of Tier 1 non-RA Hours after outage exemption	Sum of Availability (MW) over Tier 1 non-RA Hours after outage exemption	Tier 1 3-year average ISAC after outage exemption
Formula Key		A	B	C=SUM(B1, B2, B3)/SUM(A1, A2, A3)
CY17Sept18Aug	fall	2,119	3,509	
CY18Sept19Aug	fall	2,119	128,215	44
CY19Sept20Aug	fall	1,731	129,457	
CY17Sept18Aug	winter	2,095	131,376	
CY18Sept19Aug	winter	2,095	89,229	61
CY19Sept20Aug	winter	2,091	163,989	
CY17Sept18Aug	spring	2,143	147,505	
CY18Sept19Aug	spring	2,142	151,993	72
CY19Sept20Aug	spring	2,192	164,796	
CY17Sept18Aug	summer	2,143	154,731	
CY18Sept19Aug	summer	2,143	149,724	71
CY19Sept20Aug	summer	2,143	154,375	

For RA Hour (Tier 2), its Intermediate Seasonal Accredited Capacity is calculated as the sum of availability over seasonal RA hours and AAOC multiplied by the deficient RA hours, then averaged over total number of Tier 2 RA hours across the past three years. A particular Season will be excluded from a unit's tier 1 and tier 2 ISAC calculation if either condition is met: 1) a unit has not been designated as RAR for the Season or 2) it has not been offering into Real-Time market due to an exempt outage for the whole Season.

CY	Season	# of Tier 2 RA Hours after outage exemption	Sum of Availability (MW) over Tier 2 RA Hours after outage exemption	Deficient # of Tier 2 hours	Annual Average Offered Capacity (MW) after outage exemption	Sum of Availability (MW) over Deficient hours	Sum of total Availability (MW)	Sum of Tier 2 hours	Tier 2 3-year average ISAC after outage exemption
Formula Key		A	B	C = Max((65 hours-A), 0)	D	E=C*D	F=B+E	G=A+C	H=SUM(F1, F2, F3)/SUM(G1, G2, G3)
CY17Sept18Aug	fall	65	0	0	62	0	0	65	
CY18Sept19Aug	fall	65	4,788	0	67	0	4,788	65	47
CY19Sept20Aug	fall	31	1,949	34	71	2,402	4,352	65	
CY17Sept18Aug	winter	65	5,348	0	62	0	5,348	65	
CY18Sept19Aug	winter	65	3,274	0	67	0	3,274	65	68
CY19Sept20Aug	winter	4	321	61	71	4,310	4,631	65	
CY17Sept18Aug	spring	65	4,784	0	62	0	4,784	65	
CY18Sept19Aug	spring	55	3,256	10	67	671	3,927	65	68
CY19Sept20Aug	spring	16	1,178	49	71	3,462	4,640	65	
CY17Sept18Aug	summer	65	4,683	0	62	0	4,683	65	
CY18Sept19Aug	summer	65	4,678	0	67	0	4,678	65	72
CY19Sept20Aug	summer	65	4,674	0	71	0	4,674	65	

1.2.6 Tier Weighting of ISAC

The final Intermediate Seasonal Accredited Capacity (ISAC) value is the weighted averaged over its values from two tiers as calculated from steps above. The corresponding tier weightings are:

	Weighting by Planning Year		
Tier	2023- 2024 Planning Year	2024-2025 Planning Year	2025-2026 Planning Year and beyond
$ISAC_{Tier1\_weighting}$	40%	30%	20%
$ISAC_{Tier2\_weighting}$	60%	70%	80%

$$ISAC = ISAC_{Tier\ 1\ MW} \times ISAC_{Tier\ 1\ weighting} + ISAC_{Tier\ 2\ MW} \times ISAC_{Tier\ 2\ weighting}$$

The table below illustrates the ISAC of a sample resource.

WEIGHTED ISAC by SEASON with outage exemption	Season	ISAC
	fall	46
	winter	67
	spring	69
	summer	72

1.2.7 Final conversion to SAC

Lastly, the ISAC is converted back to SAC in UCAP term using the formula and as illustrated in the sample table below. The Conversion Ratio is calculated for each Season on a system-wide basis for all Schedule 53 resources.

$$SAC = ISAC \times Conversion\ Ratio_{UCAP/ISAC}$$

Conversion Ratio UCAP / ISAC	Season	SAC
1.1754	fall	54
1.131	winter	75
1.152	spring	80
1.068	summer	77

The following rules are applied for determining units to be included/excluded in ratio calculations.

1. Only resources are included in both LOLE study and SAC calculations for the same Season of planning year are included in the UCAP/ISAC ratio calculation.2. Resources that are granted with a class average for one or multiple Seasons, are not included in ratio calculation for the Season(s)

1.2.8 SAC calculation for Combined Cycle (CC)units

Due to complicated nature of modeling and market participation options for combined cycle units, MISO will calculate their ISAC/SAC values based on how they are modeled and historically been offered into the Real-Time market, and how the combined cycle units submit their test capacity (GVTC) data in MISO GADS data:

1. If the owner of combined cycle unit submits GVTC data on the parent CP node only, MISO will calculate the SAC value on the parent node, by combining the Real-Time children's offer data if needed and capped at the latest GVTC. MISO will only provide planned outage exemptions for the SAC calculation, if all of the children units are fully outaged with valid exempt outage requests.

2.If the owner of combined cycle unit submits GVTC data on the children's CP nodes, or submits GVTC data on the parent node, but with specified % split of each children node, MISO will calculate SAC values for each children CP node. MISO may need to split the Real-Time offer (Emergency Max) based on the % ratios of all the children's GVTC data, if needed. In this scenario, each children's exempt outage will be reflected in their own SAC calculations.

1.2.9 SAC calculation for Jointly Owned Units (JOU)

Jointly Owned Units (JOUs) SAC values will be calculated the same way as regular units as long as the owners submit their separate GVTC data in the MISO GADS system. For units that have experienced ownership and/or share percentage changes within the last 3 years where Real-Time offer data is used, MISO may need to combine all the owner's Real-Time offers, capped by their total GVTC and then split again based on the latest GVTC ratios among ownerships before calculating each owner's SAC values.

1.3 **Class Average based SAC calculation**

New Schedule 53 Resources or existing Resources that do not have at least 60 days of Real-Time offered availability when designated for RAR over the last three (3) years for each Season (Summer, Fall, Winter, Spring) will have a SAC based on the class average SAC to ICAP Ratio for its Resource type. MISO will calculate Schedule 53 class averages based on existing GADS fuel type categories from the existing MISO Schedule 53 fleet.

Per MISO's discretion and agreement with the resource owner, MISO may grant the unit class average, if a unit's operation and offer history no longer represents its future economical and physical characteristics.

Class averages (% values) are calculated based on units with sufficient Real-Time offer in each resource type by dividing their total seasonal ISAC values divided by total effective ICAP (lesser of GVTC or interconnection service):

$$Class\ Average\ \%_{type\ of\ resource} = \sum_{type\ of\ resource} ISAC \Big/ \sum_{type\ of\ resource} Effective\ ICAP$$

For units whose SAC is calculated based on a class average, their class average % is applied to the unit's ICAP (lesser of GVTC or Interconnection Service) to determine the ISAC. The UCAP/ISAC ratio per Season will then be applied to identify the final SAC for the Season

1.4 SAC conversion to ZRC

1.4.1 Allocate Total SAC into NRIS SAC and ERIS SAC based on Interconnection Service:

Schedule 53 Resource's Total SAC is allocated into NRIS SAC and ERIS SAC based upon its type of Interconnection Service.

$$Total\ SAC = NRIS\ SAC + ERIS\ SAC$$

To the extent the Planning Resource has Network Resource Interconnection Service (NRIS) or was determined to be aggregate deliverable through the market transition deliverability test, then that quantity will be allocated first to calculate the NRIS SAC as defined in Module E 69A.4.5

$$NRIS\ SAC = \min(NRIS, ICAP) \times \frac{Total\ SAC}{ICAP}$$

The remaining balance of Total SAC is allocated to ERIS SAC with following formula:

$$ERIS\ SAC = \max\big(0, (ICAP - NRIS)\big) \times \frac{Total\ SAC}{ICAP}$$

1.4.2 Eligibility of NRIS SAC and ERIS SAC Conversion into seasonal Zonal Resource Credits

The NRIS SAC represents capacity in MW that is eligible to be converted into seasonal Zonal Resource Credits.

In determining the amount of ERIS SAC eligible for conversion into seasonal ZRCs, the deliverability of any ERIS must be determined prior to ERIS SAC conversion. ERIS must be paired with firm Transmission Service that covers the entire Season to be considered deliverable. NRIS is automatically considered deliverable and does not require an additional Transmission Service Request. The full amount of ERIS SAC can be converted to ZRCs if the resource is fully deliverable to its ICAP amount.

Total SAC which can be converted into seasonal ZRCs are the summation of the Planning Resource's NRIS SAC plus the lesser of the resource's ERIS with firm Transmission Service. .

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 135

Holtec News Release

Holtec Receives Coveted “Tier 1 First Mover Award” from the USDOE to Accelerate Deployment of its Dual-Unit SMR-300 Plant at the Company’s Palisades Energy Site

- Holtec Highlights (https://holtecinternational.com/category/holtec-highlights/)
  - 2025 (https://holtecinternational.com/2025/)
  - 2024 (https://holtecinternational.com/2024/)
  - 2023 (https://holtecinternational.com/2023/)
  - 2022 (https://holtecinternational.com/2022/)
  - 2021 (https://holtecinternational.com/2021/)
  - 2020 (https://holtecinternational.com/2020/)
  - 2019 (https://holtecinternational.com/2019/)
  - 2018 (https://holtecinternational.com/2018/)
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  - 2013 (https://holtecinternational.com/2013/)
  - 2012 (https://holtecinternational.com/2012/)
  - 2011 (https://holtecinternational.com/2011/)
- Videos (https://holtecinternational.com/news/videos/)

December 2, 2025

Camden, NJ, December 2, 2025: We are delighted and honored to have been selected as a recipient of the U.S. Department of Energy's Tier 1 "First Mover Team Support" award under the U.S. Government's Generation III+ Small Modular Reactor (SMR) Pathway to Deployment Program. The award, valued at $400 million, will catalyze the first-of-a-kind (FOAK) deployment of Holtec's dual-unit SMR-300 plant at the Company's Palisades Energy site where a formerly shuttered 805-MWe PWR is poised for imminent restart with the support of a DOE loan. Fittingly, the twin-unit SMR-300 plant has been named *PIONEER 1&2*, which captures its trailblazing mission to spearhead the rise of the SMR industry in the U.S. and the world. This FOAK project, which will add 680-MWe in a dual unit (340 MWe per unit) configuration, is envisaged to be built by Holtec with construction financing from the DOE's Loan Programs Office. With the financial pathway secured, we look with guarded confidence to implement our "*Mission 2030,*"which contemplates the Pioneer reactors being brought online in the first years of the 2030s.

Rendering of the first two Holtec SMR-300 units at the Palisades Energy site in Covert, Michigan.

As part of the program, DOE will provide milestone-based cost-share support that is intended to advance licensing, pre-construction, and supply-chain mobilization for the Palisades SMR-300 project. Holtec's proposal includes a multi-site deployment pathway that establishes a repeatable, fleet-scale model — a core requirement of the Tier 1 program intended to drive down costs and shorten construction durations through standardization and manufacturing efficiency. The DOE's support is an essential enabler of the Palisades SMR-300 project, moving it from development to deployment by building on the government's prior support for Holtec's SMR technology under the 2020 DOE Advanced Reactor Demonstration Program (ARDP) *Risk Reduction for Future Demonstrations* to support commercial readiness.

"Holtec realizes the future of nuclear energy as a source of reliable baseload electricity to power the economy of the future is realized only if we, in the industry, make the reactors predictably cost competitive. With a well-exercised and proven supply chain, a world-class (exclusive) alliance partner, Hyundai E&C, and the plant design marinated with four decades of practical corporate experience, we consider it our duty to lead the industry in building, owning, and operating the first SMR-300 plant in the United States. We are energized by DOE's confidence in our SMR-300 reactor, which we view as validation of our 14-year quest to develop a walk-away-safe and cost-competitive nuclear reactor. This grant positions Holtec to accelerate deployment of a standardized SMR-300 fleet that strengthens U.S. energy security and grid resilience and will further bolster Holtec as one of the largest U.S. exporters of nuclear equipment," said Dr. Kris Singh, CEO and Executive Chairman of Holtec International.

Holtec has repeatedly demonstrated its peerless execution capacity for nuclear projects over the past four decades, both domestically and abroad. From mechanical upgrades of nuclear plants to spent fuel management facilities to the ownership and decommissioning of nuclear power plants, Holtec has built a reputation for turnkey delivery. The Palisades restart project, which is the world's first restart of a retired nuclear plant, is due to be synchronized with the grid early next year, months ahead of the committed schedule and substantially below the allotted budget, provides contemporary evidence of our execution credentials.

Finally, we applaud the restart program for having created an operational platform, an operator and maintenance staff training pipeline, and a "can-do" nuclear project environment that is expected to have a salutary effect on the accelerated deployment of the SMR-300 fleet. In recognition of the importance of this SMR project to the Company, our President, Kelly Trice, who has shepherded the Palisades restart program since its inception, will also helm the Palisades SMR-300 project.

DOWNLOAD (HTTPS://HOLTECINTERNATIONAL.COM/WP-CONTENT/UPLOADS/2025/12/HH-40.24.PDF)

TAGS: PALISADES (HTTPS://HOLTECINTERNATIONAL.COM/TAG/PALISADES/), SMR (HTTPS://HOLTECINTERNATIONAL.COM/TAG/SMR/)

← Previous Post
New Fuel Arrives at Palisades to Power Its Imminent Restart (https://holtecinternational.com/hh-40-22/)

Holtec International's Companies, Divisions & Affiliates

HOLTECASIA

SMR

HOLTEC POWER DIVISION DE MEXICO

HOLT UKRA

(https://www.facebook.com/holtecinternational/)
(https://www.linkedin.com/company/holtec-international) (https://twitter.com/holtecintl)
(https://www.youtube.com/channel/UC76KA6aBJ3lYmbsc5uSBXaw)

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BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 136

UtilityDive Article on Palisades Plant

UTILITYDIVE

Palisades becomes first decommissioned US nuclear plant to reach ‘operations’ status

The plant still requires extensive work before it can resume generating electricity, however, owner Holtec International said.

Published Aug. 28, 2025

Meris Lutz
Senior Editor

Crews reinstall equipment at the Palisades power plant. Courtesy of Holtec International

The Palisades power plant in Covert Township, Michigan, on Aug. 25 became the first decommissioned U.S. nuclear plant to officially transition to “operations” status, owner Holtec International said in a statement.

The plant is not yet generating electricity; the company said the plant still requires extensive work, including reassembling the main generator and turbine.

Nevertheless, Holtec celebrated the “milestone” in its efforts to restart the plant, which it said will produce more than 800 MW. The plant’s new status follows its receipt of key approvals by the Nuclear Regulatory Commission last month.

“With this transition, Palisades is now authorized to receive nuclear fuel and restart the plant once allowable conditions are met,” the company said. “Beyond strengthening Michigan’s energy security, this achievement signals a historic first for the nuclear industry and reinforces the essential role of nuclear power in America’s energy future.”

Palisades began operations in 1971 and was decommissioned by Entergy in 2022. Soon after, Holtec acquired it and announced in 2023 its intention to pursue restarting it.

Holtec did not give a timeline for completion. It added that the plant’s emergency plan is in place, positioning Palisades “squarely in the final phase of restart preparations, as inspections, testing, and maintenance continue under rigorous independent federal oversight.”

The company is also planning to build a new small modular reactor on the same site “by the beginning of the next decade.”

Beyond Nuclear, a nonprofit that opposes the plant’s revival, issued a statement condemning its progress toward restarting.

“Holtec’s Palisades zombie reactor restart scheme is not only unprecedented, but also unneeded, insanely expensive for taxpayers and ratepayers, and very risky for health, safety, security, and the environment,” Kevin Kamps, the group’s radioactive waste specialist, said in a statement. “Because so much is at stake, we will continue to resist Holtec’s Palisades restart.”

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 137

R Street Institute Commentary: DOE "Zombies" Are Eating Competitive Power Markets

REAL SOLUTIONS

Low-Energy Fridays: DOE "Zombies" Are Eating Competitive Power Markets

BY MICHAEL GIBERSON

ISSUES: ELECTRICITY POLICY, ENERGY AND ENVIRONMENT

NOV 13, 2025

This past May, the U.S. Department of Energy (DOE) used emergency authority to stop two scheduled power plant retirements. As we explained in July, these emergency orders are not a good way to boost grid reliability. That's not the only problem, though—the DOE's emergency orders also threaten to undermine competition in regional power markets.

The case invoked Section 202(c) of the Federal Power Act, which limits most orders to just 90 days. The DOE used this law to block the coal-fired J.H. Campbell Power Plant in Michigan and two units at the gas- and oil-fired Eddystone Generation Station in Pennsylvania from retiring. When those 90-day orders expired in August, the DOE issued new orders to keep the plants online. When these orders expire later in November, the DOE is expected to order the plants to stay online for *another* 90 days. Both currently operate with a safety net: If they lose money, the law makes area consumers cover those losses. And with losses covered no matter what, the plants have little reason to run efficiently. The result isn't grid reliability—it's creeping zombification of the market.

Markets require profits *and* losses to steer investment where it's needed (and away from where it's not). When a unit can't cover its costs at market prices, it should retire. When older, inefficient plants exit, space opens on the grid and in the market for better resources to jump in. Prices may initially rise, but consumers benefit in the end as competition grinds down average costs. Serial "emergency" orders break the economic feedback loop and undermine competitive forces.

The DOE's decision to keep two fossil-fueled power plants running raised speculation that the administration would block any fossil-fueled plant from retirement. However, a New Hampshire coal unit retired in October without federal intervention. That's good, because a plant that doesn't contribute to reliability and energy supplies at a competitive price *should* retire. But the lack of clear policy heightens uncertainty.

The economic damage shows up in three places:

- **Crowding out.** When zombie power plants are ordered to stay in the market, customers are stuck with the bill from any losses. Market revenues that would support efficient resources get skimmed by units the market has already rejected. The effect is subtle but

Privacy - Terms

important: Energy market prices flatten, clean and firm resources see less upside in tight hours, and generation turnover slows.

- **Planning.** Reliability planning depends on credible schedules—retirements that can be believed, new power plants that can be counted, and rules that don't change unnecessarily. A plant yo-yoing between "retired," "ordered to run," and "maybe extended" in 90-day increments can't fit into long-run reliability plans.

- **Policy-driven uncertainty.** States and stakeholders are suing the DOE over the emergency orders because the law is being employed in a manner different from what Congress intended. The DOE has not articulated a clear policy for how they will use their authority in the future, which leaves plant owners and potential investors in the dark.

Emergency orders do have their place. If a hurricane hits, fuel freezes, or a wildfire takes out a major power line, use 202(c) for the days or weeks necessary and then stand down. Utilities regularly ask for these emergency orders when they need them. The difference with zombie plant orders is that neither the plant owners nor the grid operators responsible for reliability in their regions requested them.

Nothing in this discussion denies reality—demand for electricity is rising, interconnection queues are clogged, and grid operators face tough winters and hot summers. The way forward is in policies that make better use of the existing grid, drive economical additions to transmission infrastructure, and let market forces drive power plant entry *and* exit. Competitive power markets are not responsible for rising electricity rates; in fact, a recent study pointed to increased spending on transmission and distribution wires as key factors in driving up customer rates.

Should the DOE continue to undermine market competition, consumers may get hit with the double-whammy of rising energy costs and rising infrastructure spending. Zombification of the electricity industry is no way to support a reliable, efficient power system.

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 138

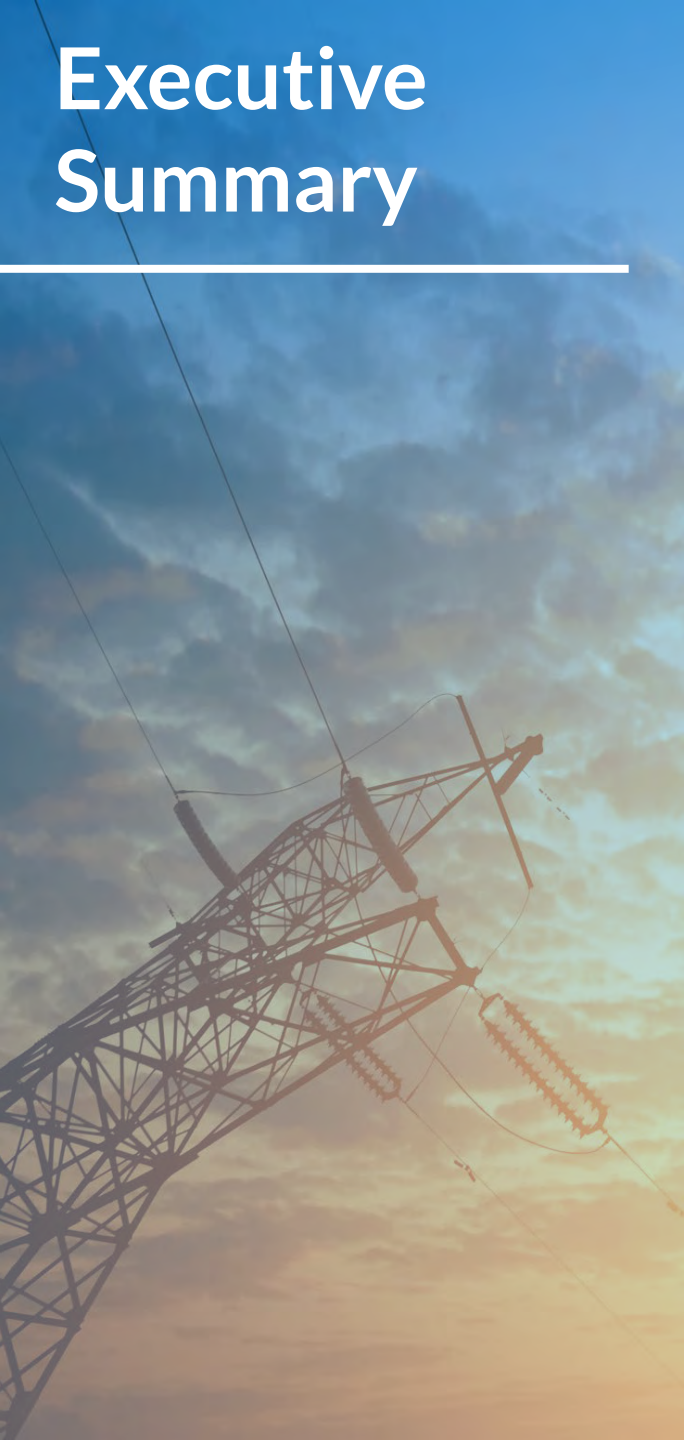
MISO Fall 2025 Operations Report

Operations Report

Markets Committee of the Board of Directors

December 9, 2025

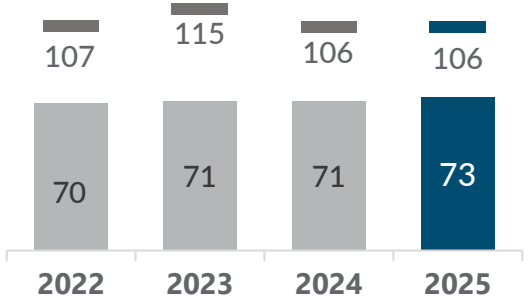
Executive Summary



- MISO's market and operations performed as expected during a mild fall.
- MISO is continually working to review and improve its Operational Risk Model, which will be used this winter to position operations in advance of challenging conditions, helping enable efficient reliability.
- Winter preparedness activities include training and drills for MISO and its members to practice for various conditions.

Reliability, markets and operational functions performed as expected this fall

AVERAGE AND PEAK LOAD (GW)



SYSTEMWIDE PEAK

106 GW

September 16

Fall Forecasted Peak: 110 GW

SOLAR PEAK

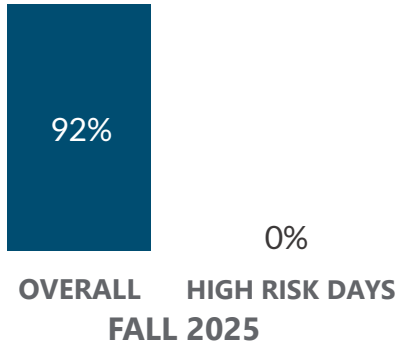
14.5 GW

September 7

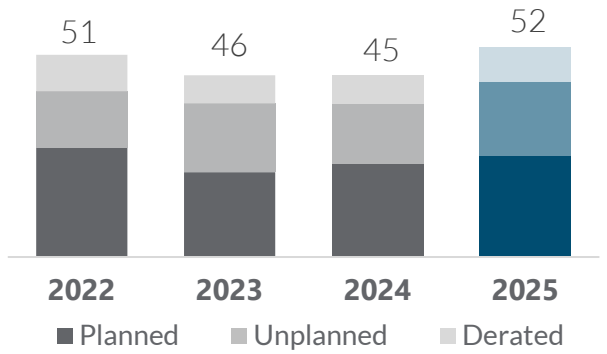
ACTUAL HIGH-RISK DAYS

6

RISK PREDICTION ACCURACY

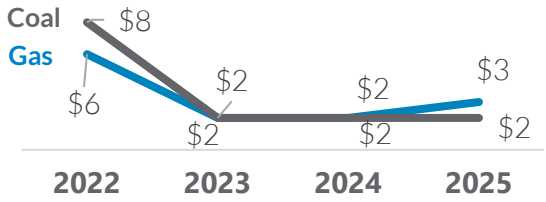


AVERAGE DAILY GENERATION OUTAGES (GW)

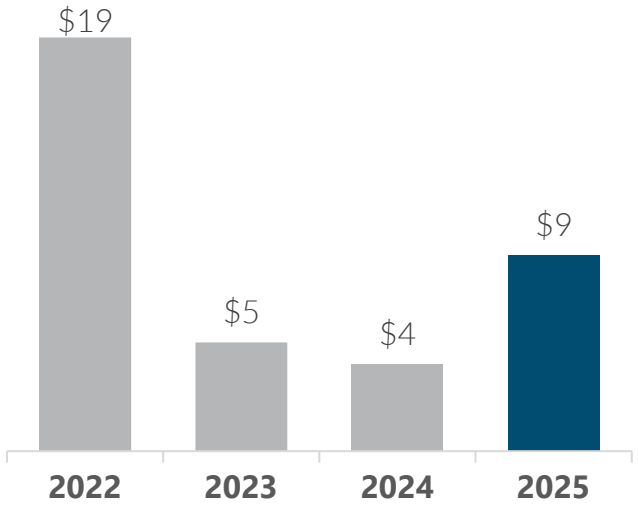


REAL-TIME LMP

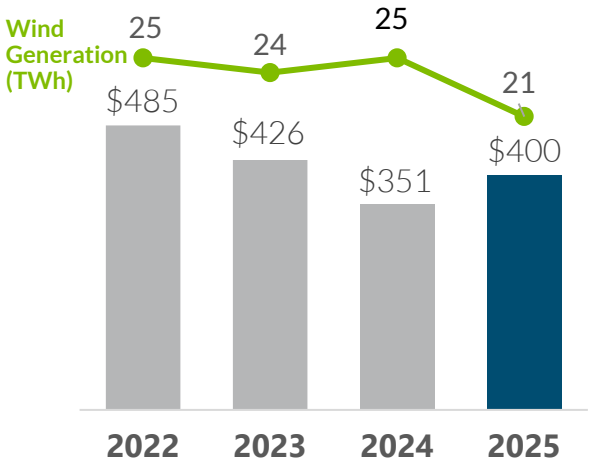
AVG. FUEL PRICE/MMBtu



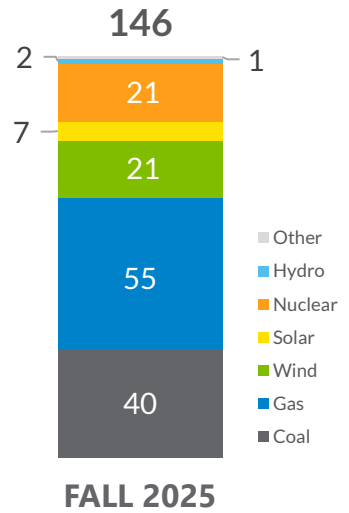
REAL-TIME UPLIFT* PAYMENTS ($M)



REAL-TIME CONGESTION ($M)**



ENERGY FUEL MIX (TWh)



Data shown for fall (September-November) as of 11/23/2025. Some November data not yet available.
**Uplift is also known as revenue sufficiency guarantee (RSG); uplift values may change due to resettlement*
***Real-time congestion cost includes external constraints*

MISO's Operational Risk Platform aids in unit commitment management through dynamic reserve products, and will continue to be impactful with planned maturity

OPERATIONAL RISK PLATFORM

MISO's dynamic Short-Term Reserves are set using a machine learning model that is focused on daily sufficiency with plans for maturity and expansion

TODAY

- ✓ Securing more reserves on the system on High-Risk days based on peak hour
- ✓ Informing operational situational awareness and decision making

FUTURE

- Management of additional reserve products
- Reserve requirements based on hourly predictions
- More robust inputs
- Automation

UNIT COMMITMENT EFFICIENCY IMPROVEMENTS

- **Unit Commitment**: Additional investment in Look-Ahead Commitment enhancements and process improvements
- **Reserve Planning:** Dynamic requirements through our Operational Risk Platform
- **Congestion Management:** Continue to improve congestion forecasting and work with stakeholders to address forced outage rates

STI Performance

Metric	YTD Performance
MARKET EFFICIENCY	
Unit Commitment Efficiency	●
Market Funding Efficiency	■
RELIABLITY	
Reliability Control	▼

▼ *Below Threshold* ■ *Threshold* ● *Target* ▲ *Excellent*

STI: Short-Term Incentive

Monthly Operational Metrics

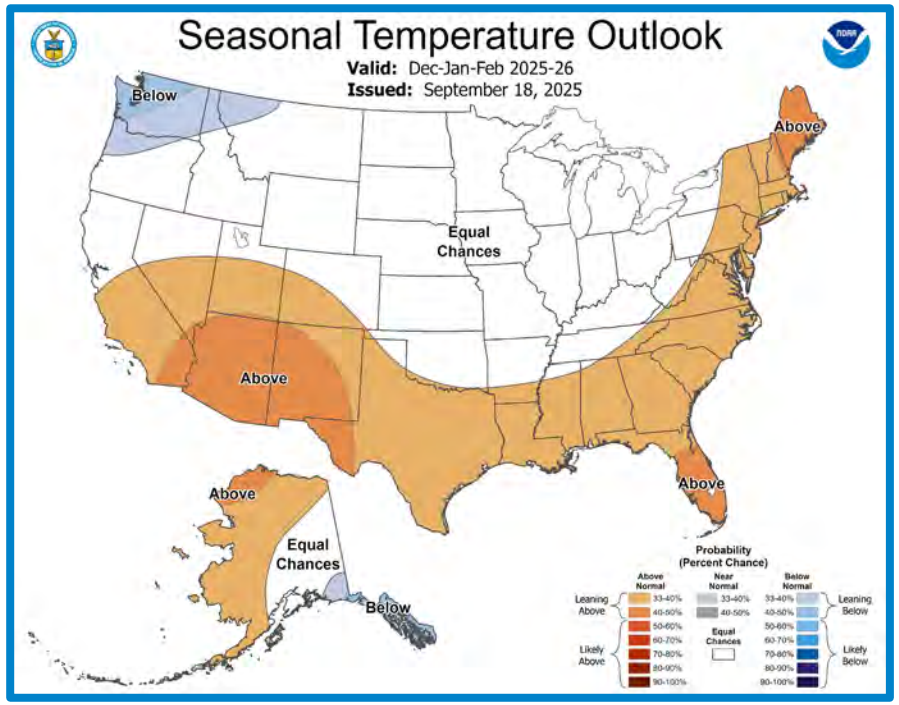
Metric	Oct 2025	Sept 2025	Aug 2025	July 2025	Metric	Oct 2025	Sept 2025	Aug 2025	July 2025
OPERATIONAL EXCELLENCE									
Control Performance – BAAL	●	●	●	●	Control Performance – CPS1 and CPS1 12-month rolling	●	●	●	●
Price Deviation	●	▼	●	▼	Real-Time Obligation fulfilled by Day-Ahead Supply at the Peak Hour	●	●	●	●
Monthly Average Gross Virtual Profitability	●	●	●	●	Day-Ahead Wind Generation Forecast Error	●	●	●	●
FTR Funding	●	●	●	●	Day-Ahead Solar Generation Forecast Error	●	●	●	●
RSG per MWh to Energy Price	■	●	●	●	Tie Line Error	●	●	●	●
Day-Ahead Mid-Term Load Forecast	●	●	●	●	ARS Deployment	●	●	●	●
Short-Term Load Forecast	●	●	●	●					
CUSTOMER SERVICE									
System Impact Study Performance	●	●	●	●	Settlement Disputes	●	●	●	●

● *Expected* ■ *Concern/Monitor* ▼ *Review*

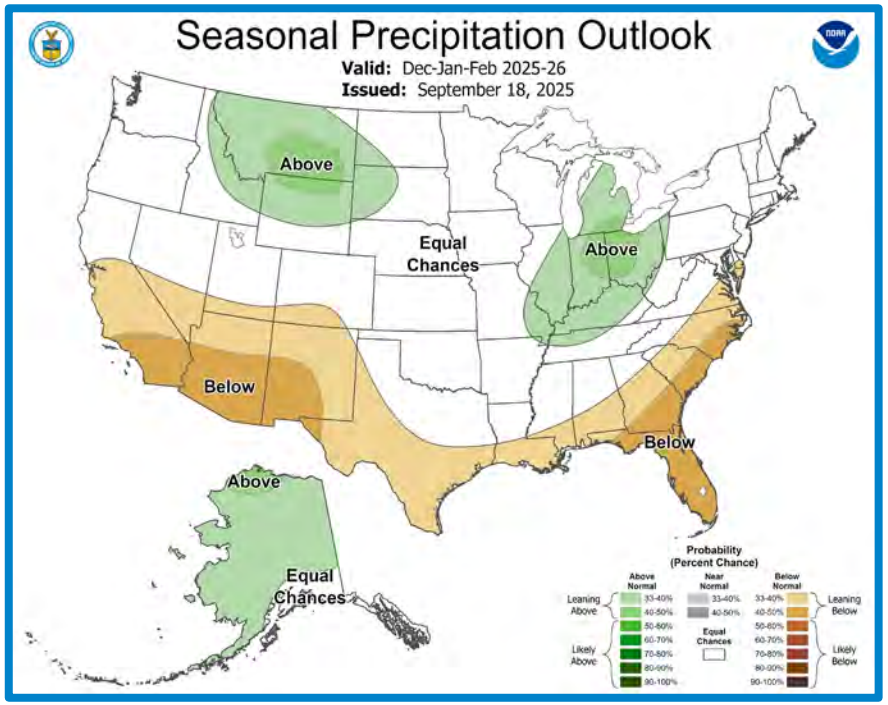
CLICK HERE to see MISO's monthly Operations Reports

MISO and its members evaluate anticipated risks for the winter and prepare for expected challenges, including drills for all steps of the emergency procedures

WINTER 2025-26 WEATHER PROJECTIONS



More variability in temperature is expected in the North and Central regions, while the South is anticipated to be above average



Above-normal precipitation is forecast for the Great Lakes region and drier along the Gulf Coast

WINTER PREPARATIONS

- Winter readiness workshops
- FERC/NERC winter recommendations
- Year-round operator training on normal and abnormal conditions
- Emergency procedure drills with member company operators
- Continuous improvement of processes and procedures

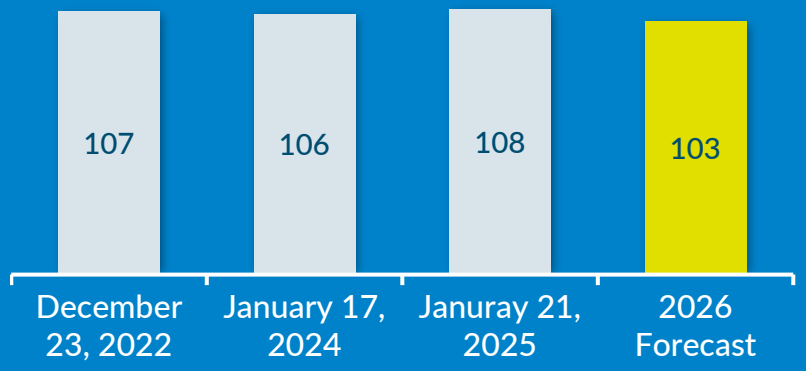
Seasonal outlook maps source: National Oceanic and Atmospheric Administration

The MISO Seasonal Resource Adequacy Construct cleared sufficient resources to cover demand this winter

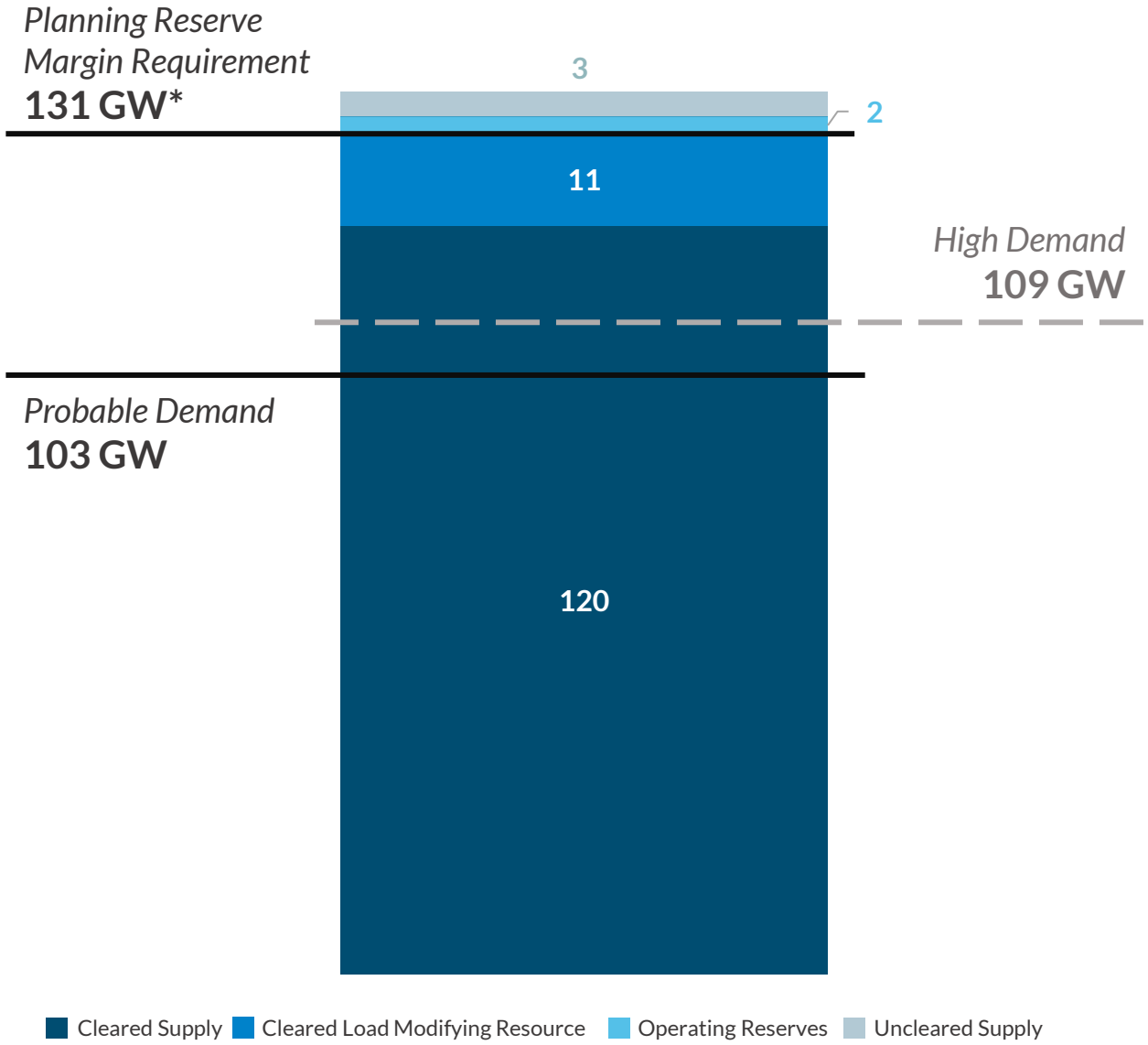
WINTER PRA CLEARING PRICES

All Zones
$33.20/MW-day

WINTER PEAK (GW)

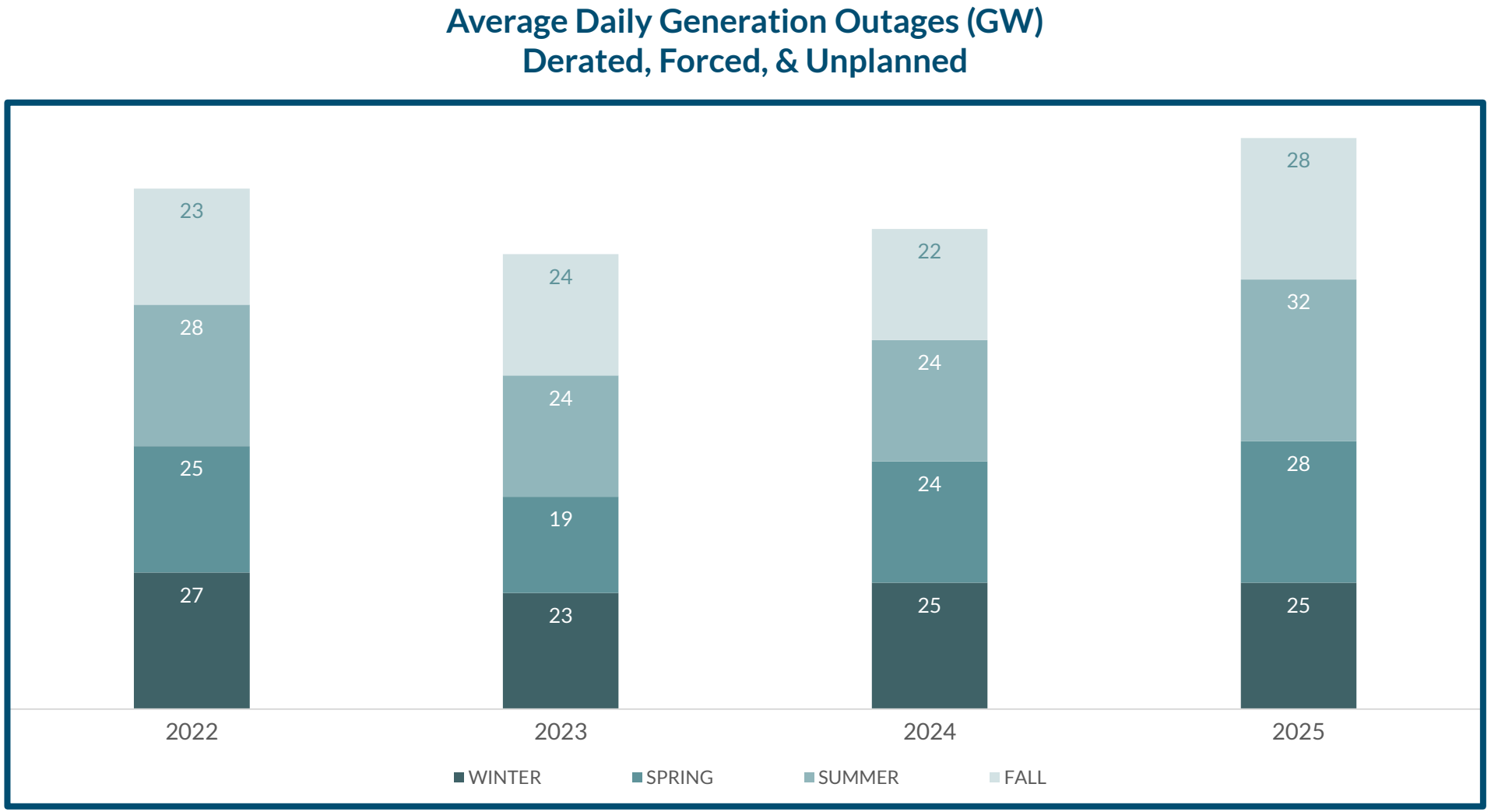


PRA – Planning Resource Auction



Appendix

Increased generation outage rates continued into the fall season



Four metrics fell outside of the expected range this fall

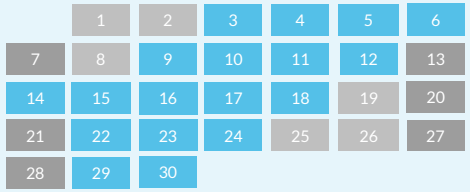
Metric	Status	Comments
Price Percentage Deviation	September Review	Periods of congestion and real-time ancillary service product scarcity pricing throughout the month resulted in price divergence between the Day-Ahead and Real-Time Markets.
RSG Per Megawatt Hour to Energy Price	October Monitor	84% of the total $4.4M of Real-Time RSG MWP for October was paid in the first 19 days of month to resources primarily committed by RAC to manage active transmission constraints caused by increased load demand and decreased resource capacity from the Day-Ahead clearing.

CLICK HERE to see MISO's monthly Operations Reports, which include the charts previously shared in the Appendix of this report

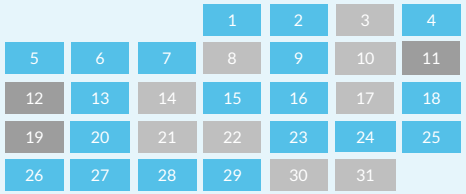
No reliability actions were needed this fall

FALL OPERATING CONDITIONS

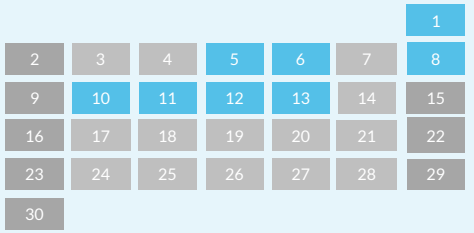
SEPTEMBER 2025



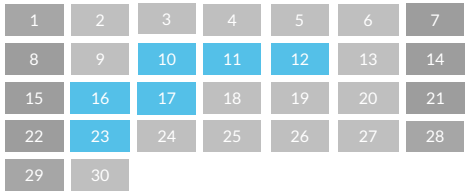
OCTOBER 2025



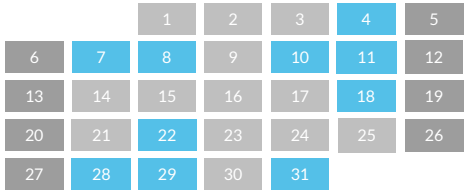
NOVEMBER 2025



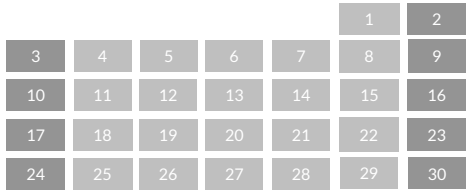
SEPTEMBER 2024



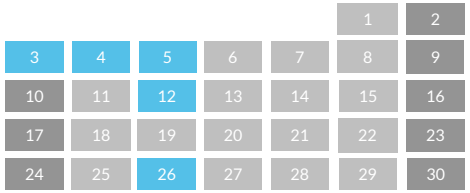
OCTOBER 2024



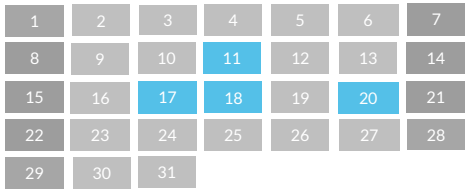
NOVEMBER 2024



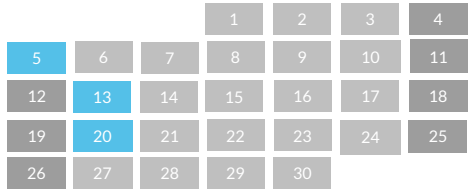
SEPTEMBER 2023



OCTOBER 2023



NOVEMBER 2023



Data as of 11/24/2025

Awareness and Weather *Alerts and Warnings* *Reliability Actions and Events*

Details of the Fall Operating Conditions

September

- **09/03 – Footprint:** System Status Level 1
- **09/04 – South Region:** Capacity Advisory* (Texas)
- **09/05 – South Region:** Capacity Advisory* (Texas)
- **09/06 – South Region:** Capacity Advisory* (Texas)
- **09/09 – South Region:** Capacity Advisory* (Texas)
- **09/10 – South Region:** Capacity Advisory* (Texas)
- **09/11 – South Region:** Capacity Advisory* (Texas)
- **09/12 – South Region:** Capacity Advisory* (Texas)
- **09/15 – Footprint:** Geomagnetic Disturbance Warning
- **9/15-9/17 – Footprint:** Conservative Operations
- **9/15-9/17 – Footprint:** Hot Weather Alert
- **9/15-9/18 – Footprint:** Capacity Advisory
- **09/17 – South Region:** Capacity Advisory* (Texas)
- **09/22 – Footprint:** Capacity Advisory
- **09/23 – South Region:** Capacity Advisory* (Texas and Louisiana)
- **09/24 – South Region:** Capacity Advisory* (Texas and Louisiana)
- **9/29-9/30 – Footprint:** Conservative Operations

October

- **10/01 – Footprint:** Geomagnetic Disturbance Warning
- **10/02 – Footprint:** Geomagnetic Disturbance Alert
- **10/04 – South Region:** Capacity Advisory* (Texas)
- **10/05 – South Region:** Capacity Advisory* (Texas)
- **10/06 – Central:** Conservative Operations
- **10/06 – South Region:** Capacity Advisory* (Texas)
- **10/6-10/7 – Central:** Capacity Advisory
- **10/07 – South Region:** Capacity Advisory* (Texas)
- **10/09 – Footprint:** Conservative Operations
- **10/09 – South Region:** Capacity Advisory* (Louisiana)
- **10/13 – Footprint:** System Status Level 1
- **10/15 – South Region:** Capacity Advisory* (Texas)
- **10/16 – South Region:** Capacity Advisory* (Texas)
- **10/18 – South Region:** Capacity Advisory* (Texas)
- **10/20 – AMRN:** System Status Level 1
- **10/23-10/29 – South Region:** Transmission Advisory
- **10/29 – Footprint:** System Status Level 1

November

- **11/01 – South Region:** Capacity Advisory* (Texas)
- **11/5-11/6 – Footprint:** Geomagnetic Disturbance Warning
- **11/6 – Footprint:** Geomagnetic Disturbance Alert
- **11/8 – South Region:** Capacity Advisory* (Texas)
- **11/10 – South Region:** Capacity Advisory* (Texas)
- **11/11 – South Region:** Capacity Advisory* (Texas)
- **11/11 – Footprint:** Geomagnetic Disturbance Warning
- **11/11-11/12 – Footprint:** Geomagnetic Disturbance Alert
- **11/12-11/13 – Footprint:** Geomagnetic Disturbance Warning

**MISO issued Capacity Advisories for South region load pockets to provide proactive notice of elevated reliability risk.*
Data as of 11/24/2025

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 139

MISO Summer 2025 Operations Report

Operations Report

Markets Committee of the
Board of Directors

September 16, 2025

Executive Summary

- MISO experienced an active summer driven by hot weather, high humidity and high outages
- Increased operational declarations were driven by tighter margins resulting from elevated demand and unplanned outages
- MISO projects adequate resources to meet demand this fall, but risk remains due to the active hurricane season forecast in the Atlantic

Periods of sustained heat and resource constraints drove tight operating margins and associated summer grid challenges

JUNE 21 – 24

High demand, low wind and high outages

June 23: Maximum Generation Step 1b (EEA 1)

JULY 28 & 29

Capacity concerns and major transmission outage

July 29: Season Peak Demand 122 GW

MISO ACTIONS

- Declared a Transmission Advisory and Local Transmission Emergency in addition to capacity related declarations
- Manually re-dispatched 8 generators in the area to reduce loading on other lines
- Scheduled and deployed Load Modifying Resources (LMRs) to provide additional aid in response to risk profile

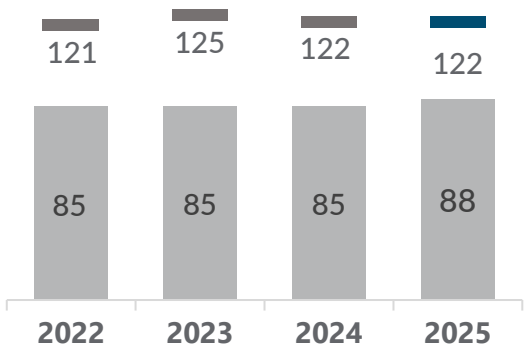
OPPORTUNITIES

- Anticipating quantity of self-scheduled LMR deployments and associated impacts to load forecasts
- Determining when grid conditions no longer require emergency actions and declarations can be terminated
- Enhancing communications to generators to ensure alignment for dispatch instruction

EEA – Energy Emergency Alert

MISO's reliability, markets and operations performed as expected through a challenging summer

AVERAGE AND PEAK LOAD (GW)



SYSTEM-WIDE PEAK

122 GW

July 29

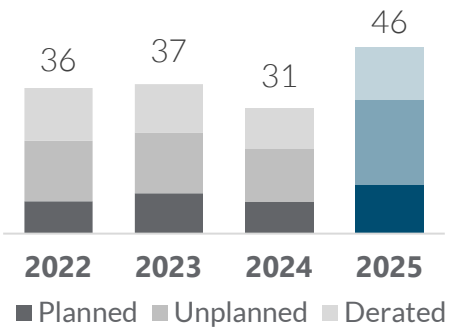
Summer Forecasted Peak: 123 GW

SOLAR PEAK

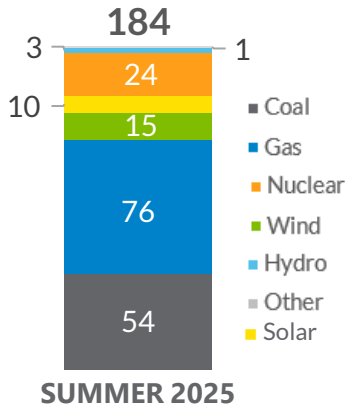
14 GW

August 3, 17% of Load

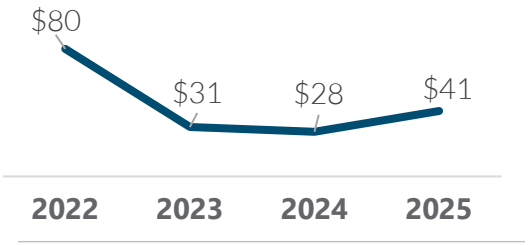
AVERAGE DAILY GENERATION OUTAGES (GW)



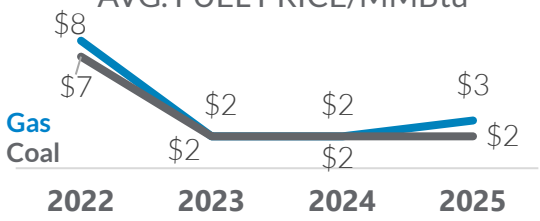
ENERGY FUEL MIX (TWh)



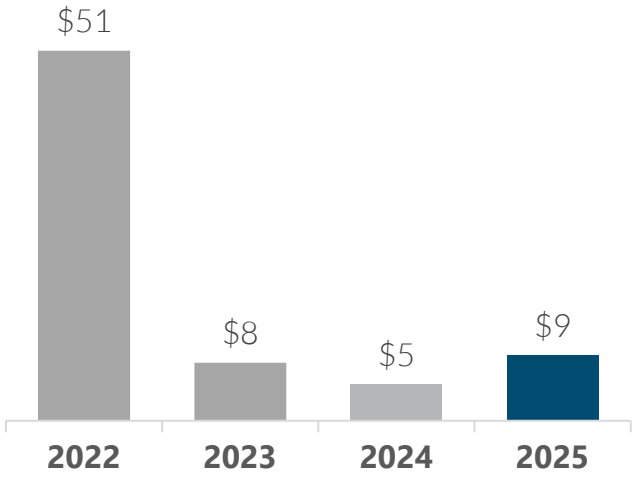
REAL-TIME LMP



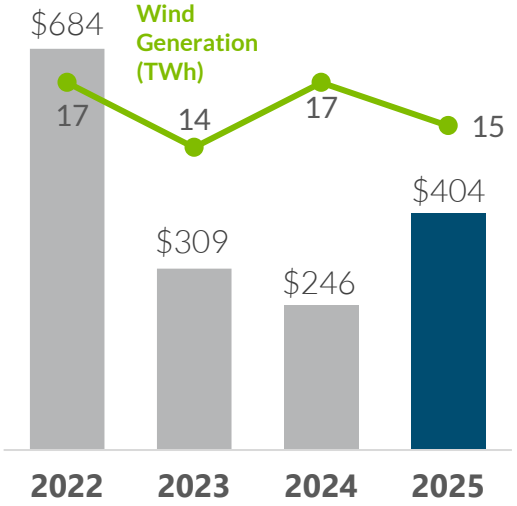
AVG. FUEL PRICE/MMBtu



REAL-TIME UPLIFT* PAYMENTS ($M)



REAL-TIME CONGESTION ($M)**

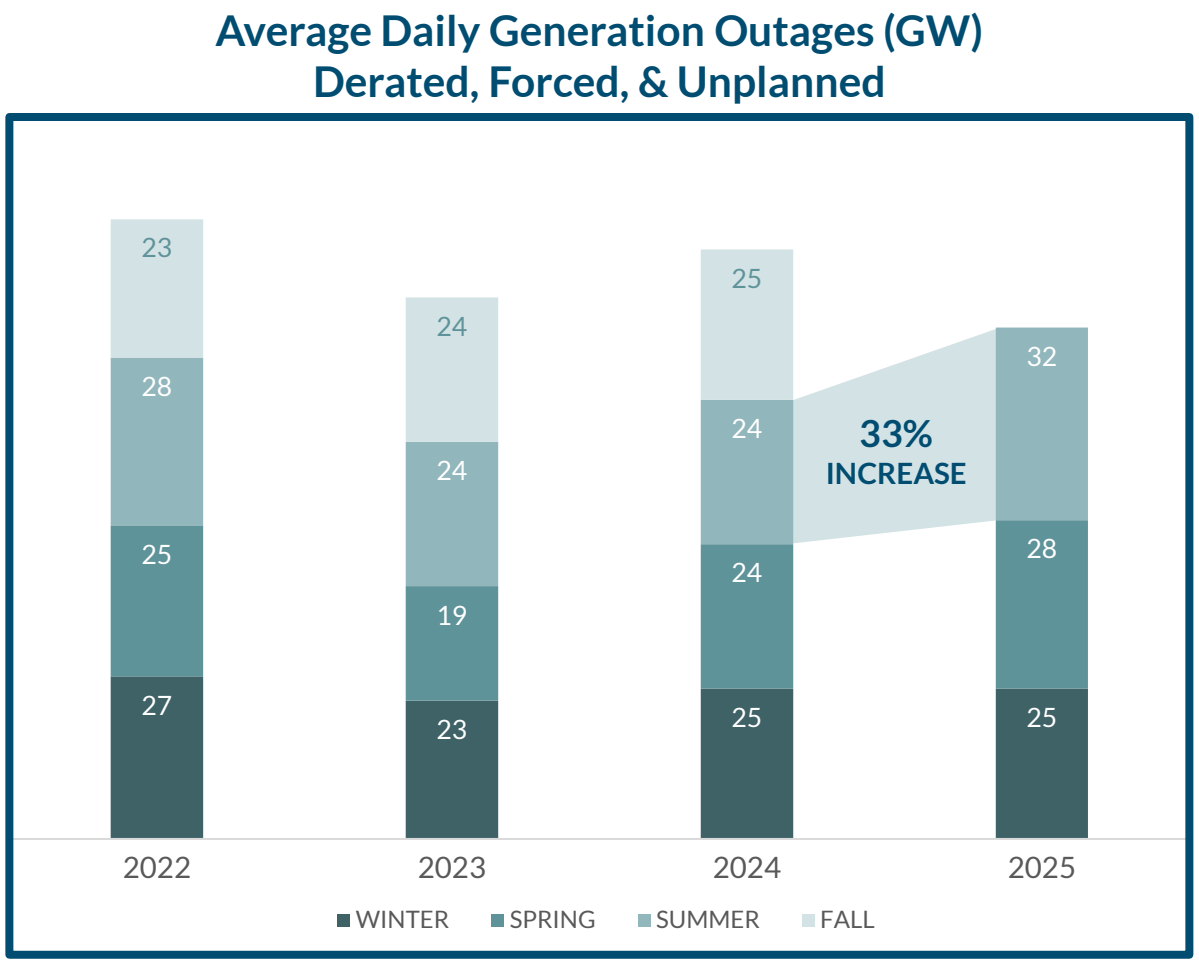


Data as of 8/31/2025

**Uplift is also known as revenue sufficiency guarantee (RSG); uplift values may change due to resettlement*

*** Real-time congestion cost includes external constraints*

This spring and summer were marked by increased generation outage rates, with "Equipment Failure" as the leading reported cause



Submitted Outage Causes

- Equipment Failure
- Unit Component Issues
- Maintenance/Construction
- Fuel Issues
- EPA Regulation

Dashboard

Metric	STI	July '25	June '25	May '25	April '25	Metric	STI	July '25	June '25	May '25	April '25
MARKET EFFICIENCY											
Market Funding Efficiency Metric	*Threshold*	●	▼	●	●	Unit Commitment Efficiency	*Threshold*	●	●	●	●
OPERATIONAL EXCELLENCE											
Control Performance – BAAL	*Below Threshold*	●	●	●	●	Control Performance – CPS1 and CPS1 12-month rolling	*Below Threshold*	●	●	●	●
Price Deviation		▼	■	■	■	Real-Time Obligation fulfilled by Day-Ahead Supply at the Peak Hour		●	●	●	●
Monthly Average Gross Virtual Profitability		●	●	●	●	Day-Ahead Wind Generation Forecast Error		●	●	●	●
FTR Funding		●	●	●	●	Day-Ahead Solar Generation Forecast Error		●	●	●	●
RSG per MWh to Energy Price		●	●	●	●	Tie Line Error		●	●	●	●
Day-Ahead Mid-Term Load Forecast		●	●	■	▼	ARS Deployment		●	●	●	●
Short-Term Load Forecast		●	●	●	■						
CUSTOMER SERVICE											
System Impact Study Performance		●	▼	●	▼	Settlement Disputes		●	●	●	●

CLICK HERE to see MISO's monthly Operations Reports, which include the charts previously shared in the Appendix of this report

● *Expected* ■ *Concern/Monitor* ▼ *Review*

Metric performance this summer highlights the need to improve congestion forecasting

	Unit Commitment Efficiency (UCE)		Market Funding Efficiency (MFE)	
SUMMER DAYS	71 Days	21 Days	40 Days	52 Days
KEY DRIVERS	Operational risks driven by near-term forecast changes, congestion, and lower operating reserves resulted in less efficient solutions		Forced outages caused congestion in real-time that was not modeled in forward markets	
ACTIONS	Evaluate the details of the drivers, focusing on complex operating days		Improve congestion forecasting and work with stakeholders to address forced outage rates	

Unit Commitment Efficiency
Expected >= 93 % Review <93%

Market Funding Efficiency
Expected >95 % Review <95 %

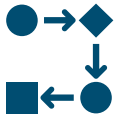
MISO is making progress on key lessons learned from the May 25 load shed event

Operational Procedures & Communication

Capacity Advisory Issuance
Using this declaration to provide advance notice for load pockets when conditions are challenging

Transmission Advisory Declaration
Develop proposals for more advanced communication providing greater situational awareness as transmission risks emerge

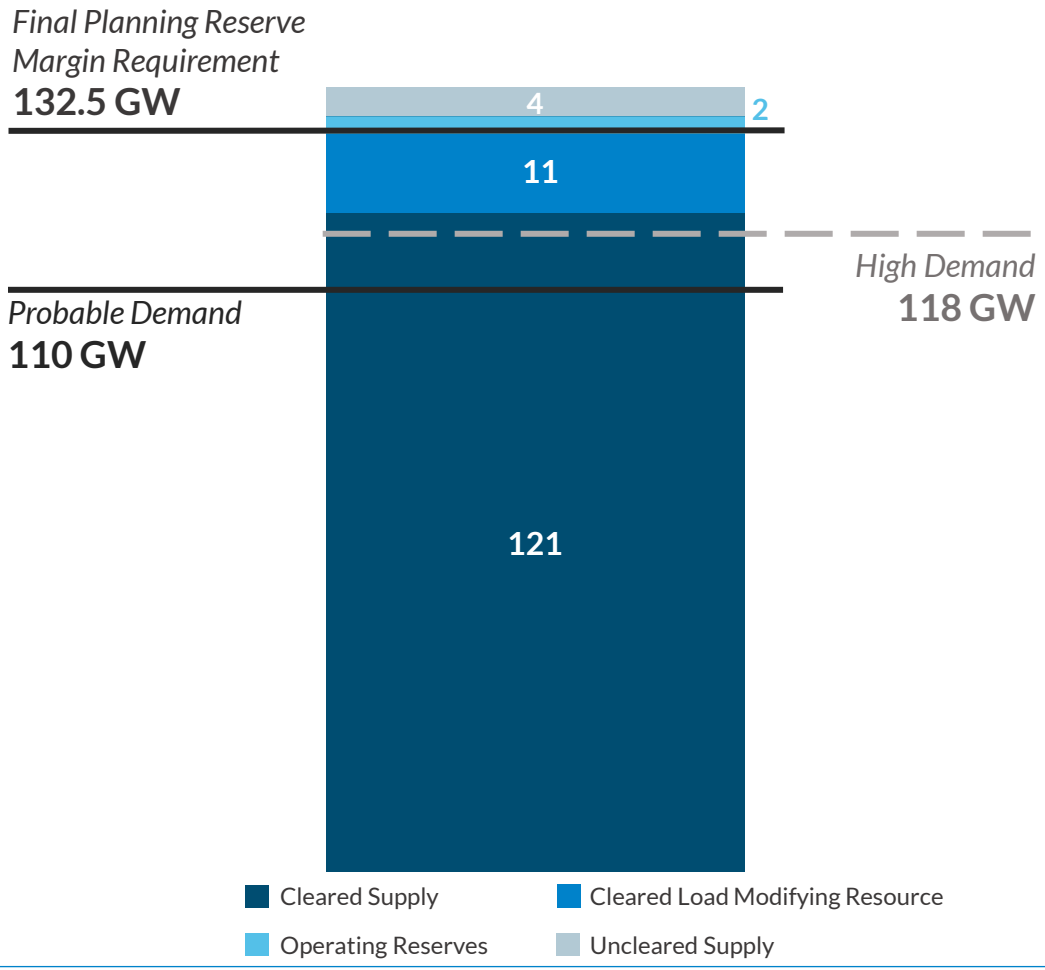
Transmission Emergency Actions
Evaluate process updates and training needs to ensure timely action in transmission emergencies

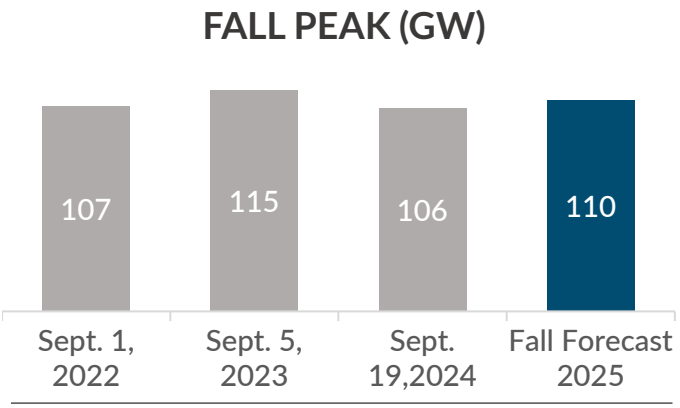


System Modeling & Studies

Improvements to Operations Planning Studies
Better capture unique South region challenges and load pocket risks

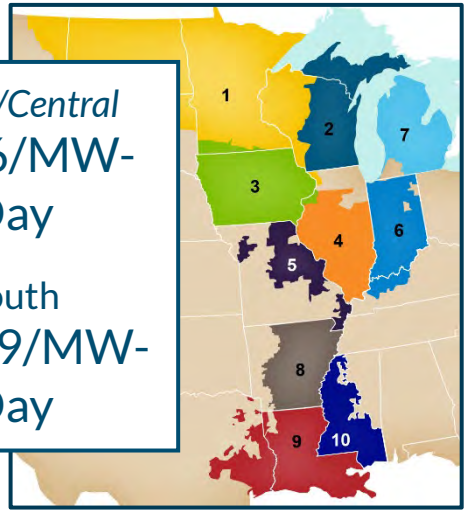
The fall generation assessment, based on the cleared Planning Resource Auction resources, shows adequate supply to cover the probable and high demand forecasts





North/Central
$91.6/MW-Day

South
$74.09/MW-Day



Appendix

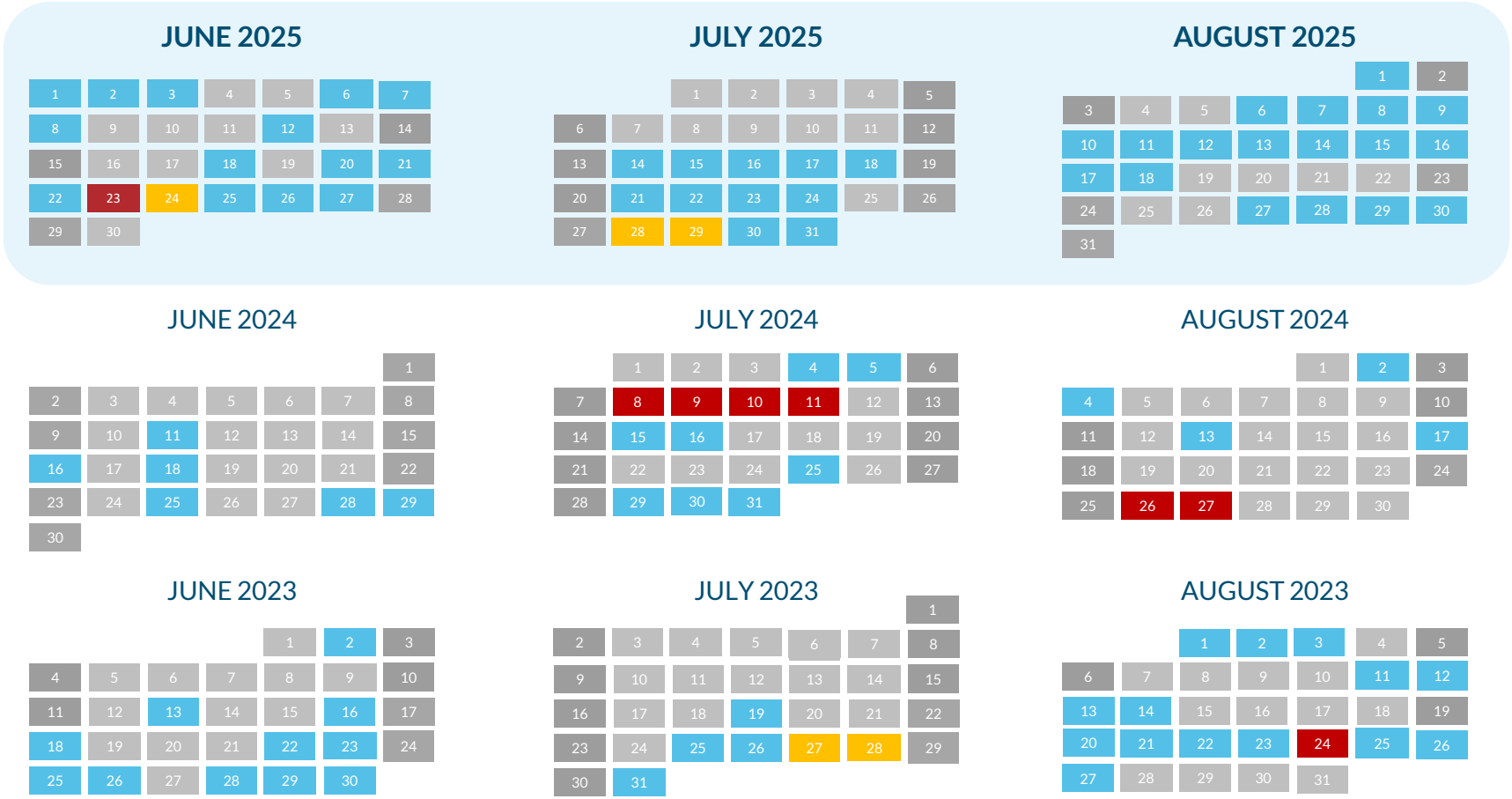
Four metrics fell outside of the expected range for the season

Metric	Status	Comments
Market Funding Efficiency	June: Review	Excess Congestion Fund (ECF) performance for the month of June was largely impacted by the effects of the notable heat days (6/21-6/24) as well as outlier constraints. The high impact ECF constraints were driven by large Joint Operating Agreement payments to SPP, outages, Real-Time congestion management actions, and congestion forecast.
Price Deviation	May: Monitor June: Monitor July: Review	Periods of congestion, especially on May 24 and 25, June 23 and 24, and July 28 and 29, and Real-Time ancillary service product scarcity pricing throughout the month resulted in some price divergence between the Day-Ahead and Real-Time markets.
System Impact Study Performance	June: Review	Resource constraints impacted study completion timing.
Day-Ahead Mid-Term Load Forecast	May: Monitor	A combination of weather and model errors, particularly due to severe storms and temperature deviations in the South and Central regions, contributed to load forecast errors.

CLICK HERE to see MISO's monthly Operations Reports

MISO entered emergency procedures this summer due to hot weather and high demand

SUMMER OPERATING CONDITIONS



Details of Summer Operating Conditions

June

- **06/06-06/08 South:** Conservative Operations
- **06/12 South:** Severe Weather Alert
- **06/18 Central:** Severe Weather Alert
- **06/20-06/21 North:** Severe Weather Alert
- **06/21-06/24 North and Central:** Hot Weather Alert
- **06/23 N/C:** Max Gen Event – Step 1b
- **06/24 N/C:** Max Gen Warning
- **06/21–06/27 System:** Conservative Operations

July

- **07/14 – 07/17 South:** Capacity Advisory*
- **07/15 System:** Conservative Operations and Capacity Advisory
- **07/16 North:** Severe Weather Alert
- **07/18 System:** System Status Level 1
- **07/21 – 07/24 System:** Conservative Operations and Hot Weather Alert
- **07/21 – 07/24 South:** Capacity Advisory
- **07/23 – 07/24 System:** Capacity Advisory*
- **07/28 N/C:** Severe Weather Alert
- **07/28 – 07/29 System:** Max Gen Alert/Warning and Capacity Advisory
- **07/28 – 07/29 South:** Local Transmission Emergency
- **07/28 – 07/29 System:** Conservative Operations and Hot Weather Alert
- **07/29 South:** Transmission Advisory
- **07/30 South:** Severe Weather Alert
- **07/31 South:** Capacity Advisory*

August

- **08/01 South:** Capacity Advisory*
- **08/05 South:** Capacity Advisory*
- **08/07 South:** Capacity Advisory*
- **08/08 System:** Severe Weather
- **08/08 North:** Restoration Event
- **08/08 South:** Capacity Advisory*
- **08/09 South:** Capacity Advisory*
- **08/10 South:** Capacity Advisory*
- **08/11 South:** Capacity Advisory*
- **08/12 South:** Capacity Advisory*
- **08/13 South:** Capacity Advisory*
- **08/14 South:** Capacity Advisory*
- **08/15 South:** Capacity Advisory*
- **08/15 North/Central:** Capacity Advisory
- **08/16 South:** Capacity Advisory*
- **08/17 South:** Capacity Advisory*
- **08/18 South:** Capacity Advisory*
- **08/28 South:** Capacity Advisory*
- **08/30 South:** Capacity Advisory*

**MISO issued Capacity Advisories for South region load pockets to provide proactive notice of elevated reliability risk.*

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 140

MISO ERAS
December Release

MISO announces second cycle of ERAS projects

6,100 MW of proposed capacity supports reliability, economic growth and regional energy needs

For Immediate Release

December 1, 2025

Media Contact

McKenzie Barbknecht

CARMEL, Ind. — MISO announced today the second cycle of projects to be evaluated under its Expedited Resource Addition Study (ERAS) process, reinforcing its commitment to accelerating the addition of critical generation resources across the region.

The second cycle includes 15 projects totaling approximately 6,100 MW of proposed new capacity. These projects span a range of fuel sources — including solar, wind, natural gas, and battery storage and are located across MISO's North, Central and South regions. The in-service dates range from December 1, 2027 to August 6, 2028.

"Cycle 2 builds on the momentum of Cycle 1 and reflects the continued demand for timely, reliable interconnection solutions," said Aubrey Johnson, MISO's Vice President, System Planning. "These projects are essential to meeting near-term reliability needs and ensuring new resource additions are online to meet load growth."

To date, 51 projects representing nearly 30,000 MW of proposed new capacity have been accepted or are pending validation into ERAS. Cycle 1 had 10 projects, representing approximately 5,300 MW of capacity. Three Cycle 1 projects already have executed generator interconnection agreements and the other seven will be completed in December. MISO evaluates each ERAS project for eligibility and completeness, and after FERC's recent approval MISO will study up to 15 projects per quarter. There is a program cap of 68 projects before ERAS sunsets on August 31, 2027.

"ERAS is one of several tools we're using to meet the evolving needs of our members and the communities they serve," added Johnson. "MISO remains focused on reducing timelines in our generator interconnection queue through the recently approved queue cap and through improved software automation."

###

MEDIA CONTACT:
McKenzie Barbknecht

About MISO

Midcontinent Independent System Operator (MISO) is an independent, not-for-profit organization that delivers safe, cost-effective electric power across 15 U.S. states and the Canadian province of Manitoba. 42 million people depend on MISO to generate and transmit the right amount of electricity every minute of every day. MISO is committed to reliable, nondiscriminatory operation of the bulk power transmission system and collaborating with all stakeholders to create cost-effective and innovative solutions for our changing industry. MISO operates one of the world's largest energy markets with more than $22 billion in annual gross market energy transactions.

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BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 141

MISO 2025–26 Winter Readiness Presentation

2025-26 Winter Readiness Workshop

October 29, 2025

Agenda

Welcome – Jason Howard

Assessments

1. Weather (Adam Simkowski/Ella Dankanics)
2. Generation (Gurmanpreet Kaur)
3. Transmission (Fisseha Zewdu)
4. Winterization Survey Results (Mike Mattox)

Seasonal Risk / Uncertainty Management

1. Lessons Learned Winter 2024-25 (Jason Howard)
2. Dynamic Ramp Changes (Matt Campbell)

Emergency Procedures /Training

1. Technical Development (Anita Hurst)
2. EOP-002 Updates (Don Hunter)

Q&A

2025-26 Winter Readiness: Weather

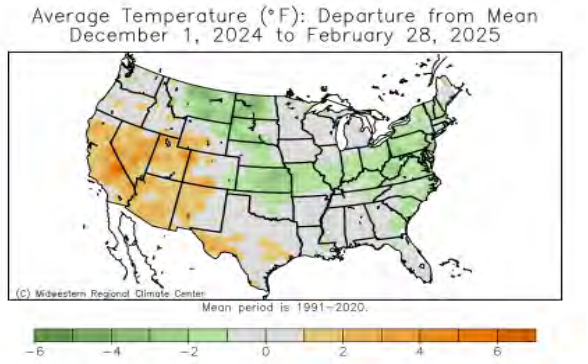
Adam Simkowski, Meteorologist
Operations Risk Management
asimkowski@misoenergy.org

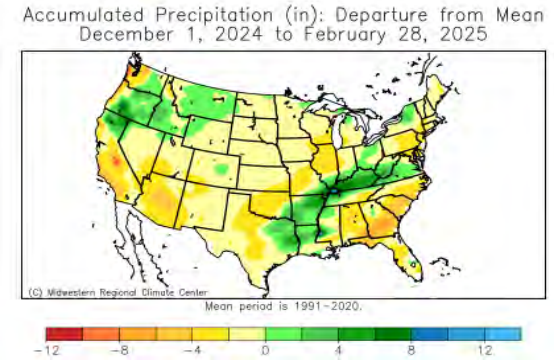
Ella Dankanics, Meteorologist
Operations Risk Management
edankanics@misoenergy.org

Last winter, which was colder than normal due to more durable cold, is the top analog year for the upcoming winter

Winter 2024-25

- Near normal to below normal temperatures across MISO's footprint
- Below normal temperatures were prevalent across MISO's North and Central regions for longer stretches than in recent history
- Seven days at or below 10°F systemwide during the January and February winter storms
- Systemwide temperatures were nearly as cold as the winter of 2017-2018 across MISO
- Above normal precipitation in MISO Central and South, including snow in New Orleans



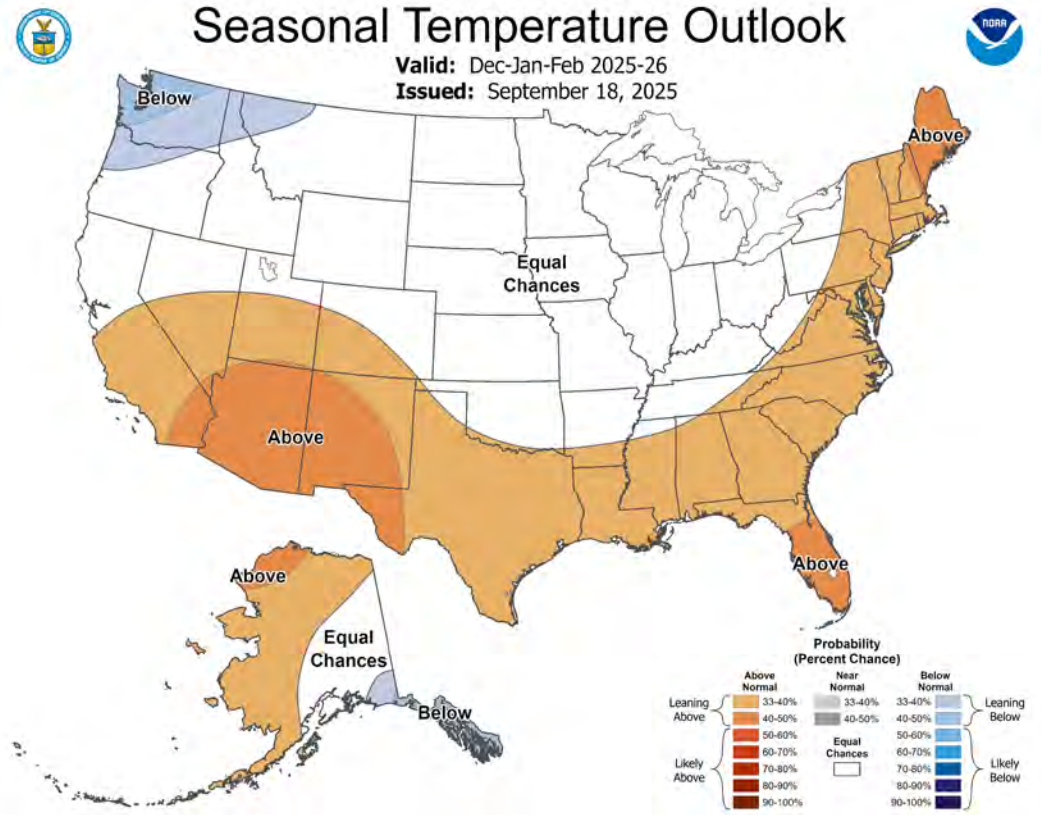


Midwestern Regional Climate Center
Cli-MATE: MRCC Application Tools Environment

TEMPERATURES

NOAA anticipates equal chances for the North and Central regions this winter, indicating more variability.

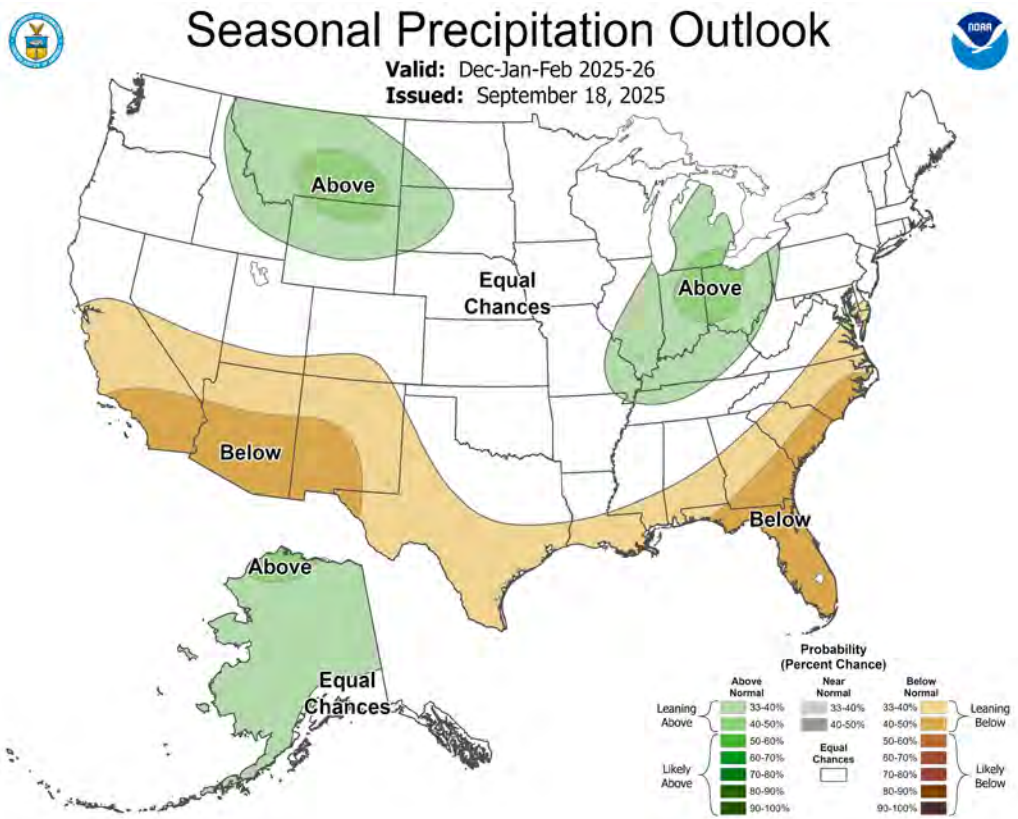
The South region is expected to trend above normal



PRECIPITATION

NOAA anticipates above normal precipitation for the Great Lakes this winter

Drier on the Gulf Coast



Historical Analog (Reference) Years

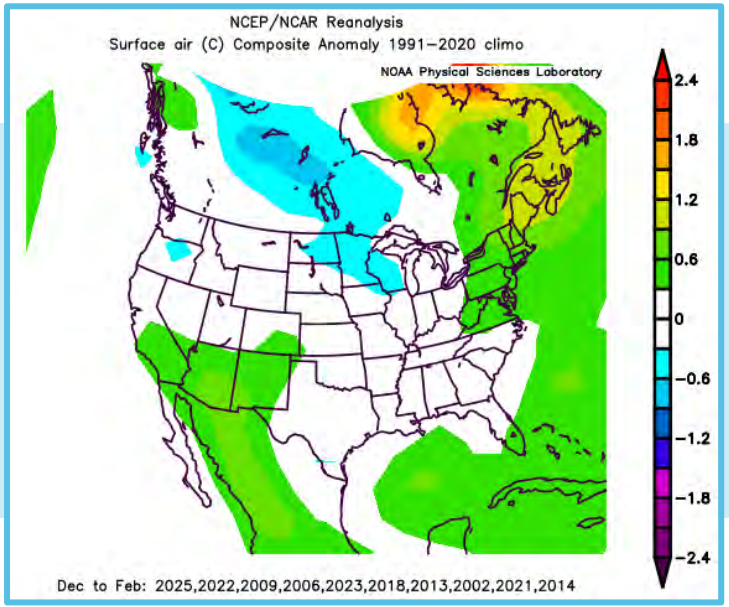
Analog years for Winter 2025-2026

Year(s)	Vendor A	Vendor A Rank	Vendor B	Vendor B Rank
	2024-25	1	2024-25	1
	2021-22	2	2012-13	2
	2008-09	3	2021-22	3
	2005-06	4	2022-23	4
	2022-23	5	2011-12	5
	2017-18	6	2016-17	6
	2012-13	7	2017-18	7
	2001-02	8	2001-02	8
	2020-21	9	2005-06	9
	2013-14	10	2013-14	10
			2019-20	11

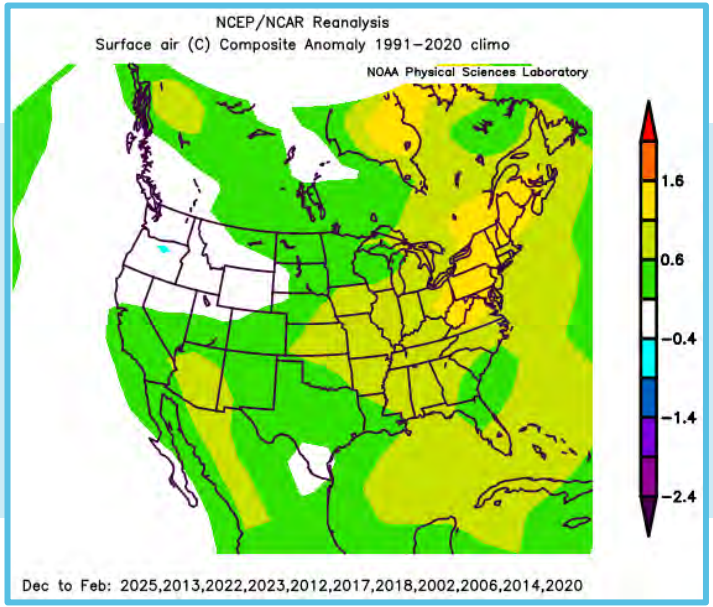
Cold MISO Winter
Warm MISO Winter
Normal MISO Winter

Analysis of historical analog years for each vendor supports a near-normal winter forecast with elevated variability

Vendor A



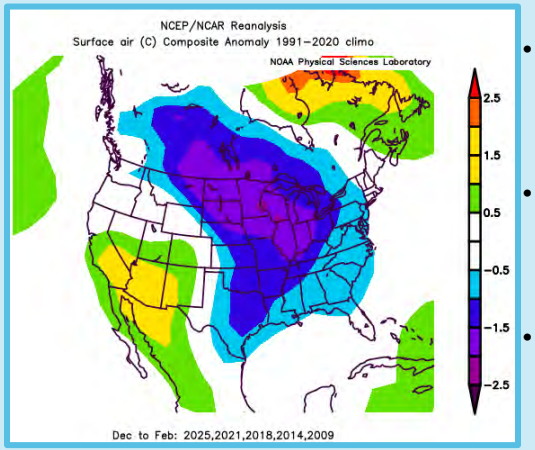
Vendor B



Analysis included December through February average temperature composites

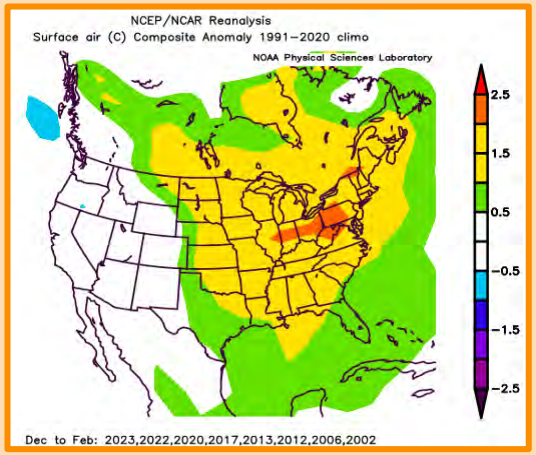
Risks to the Forecast

Colder Risk
(higher probability)



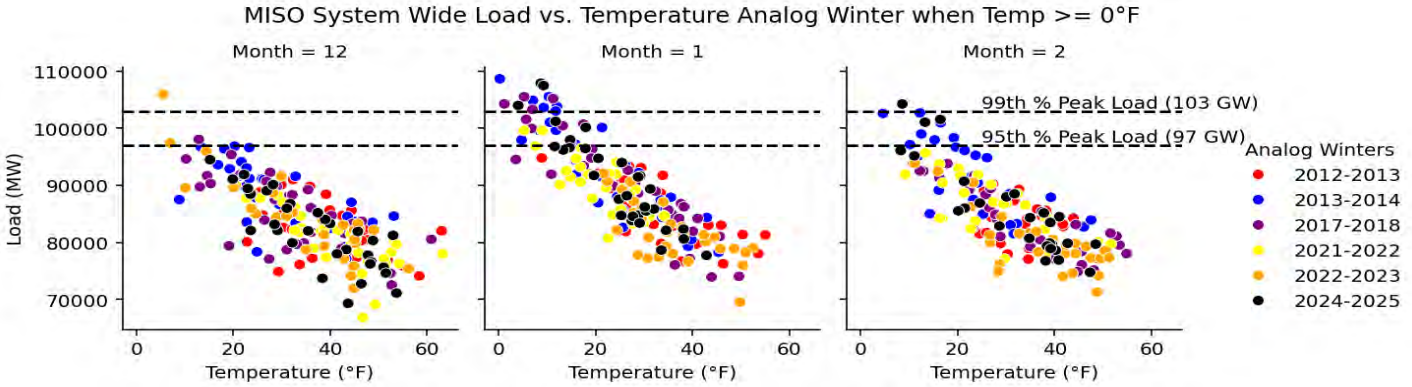
- Weaker La Niña opens the door for more cold shots throughout winter as is the current forecast.
- Other ocean/atmospheric forcing mechanisms drive the winter pattern including weaker stratospheric winds.
- Polar vortex disruptions could be elevated this winter

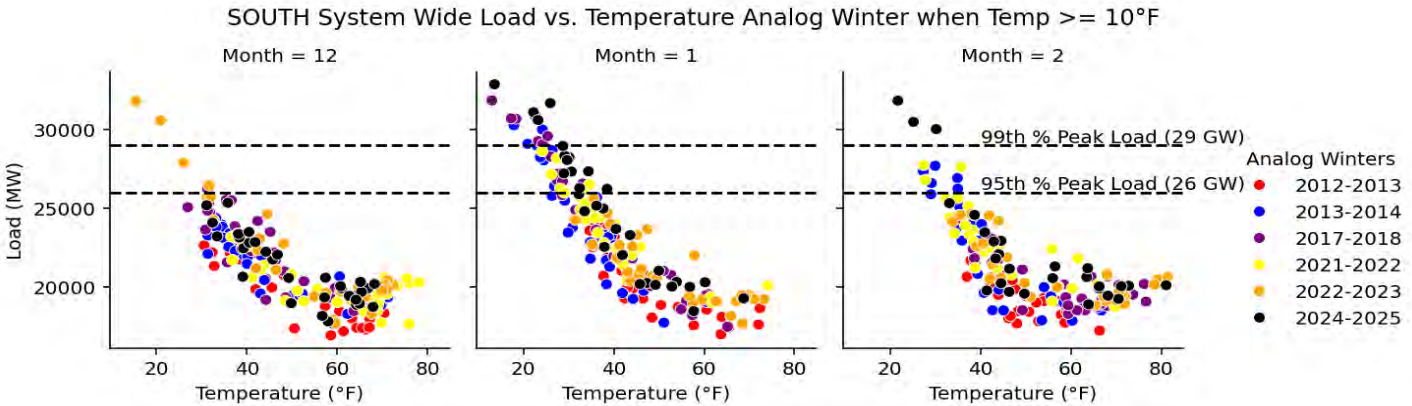
Warmer Risk
(lower probability)



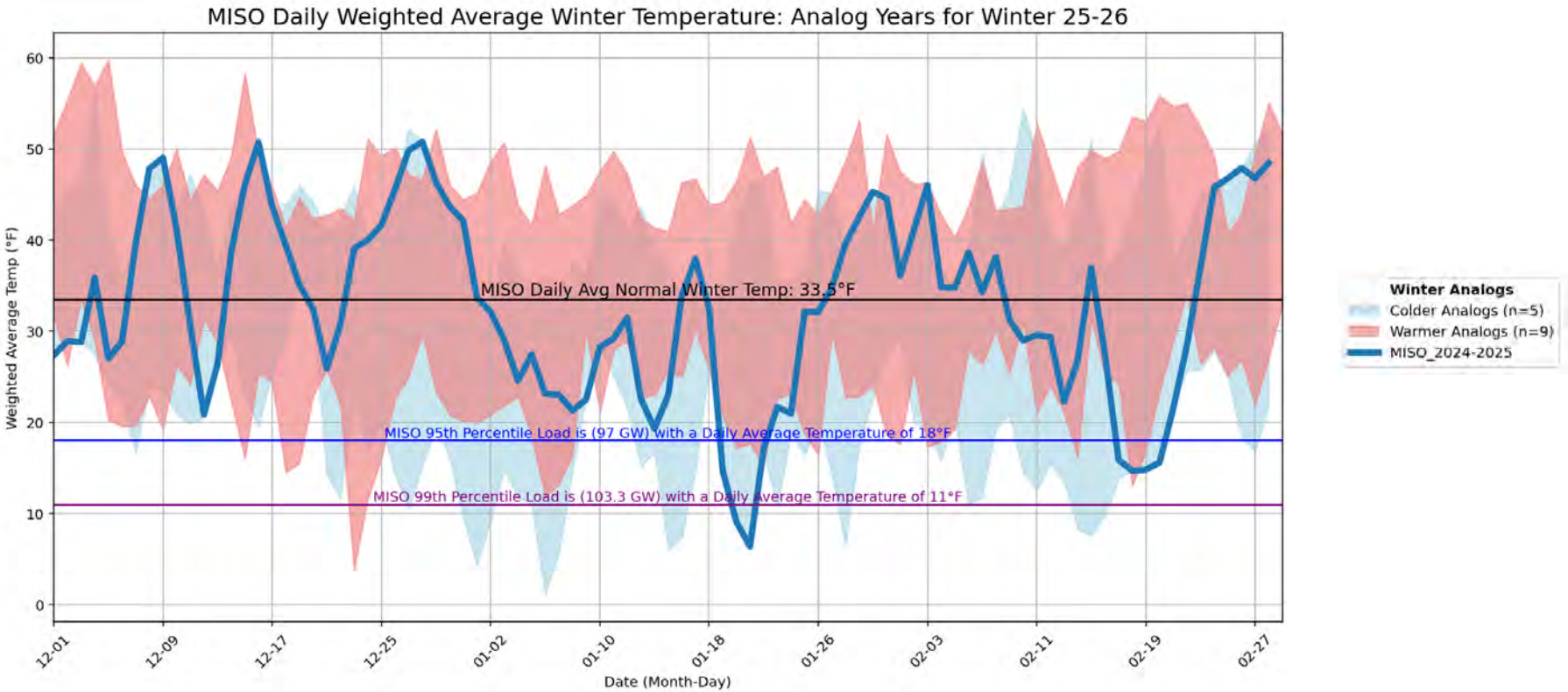
- Moderate to Stronger La Niña development allows for the Southeast Ridge to bring warmth farther north into MISO.
- Warm ocean temperatures around Indonesia allow for a warmer signal.

Historical Weak La Niña years: Systemwide peak load reaches 95th percentile ~97 GW

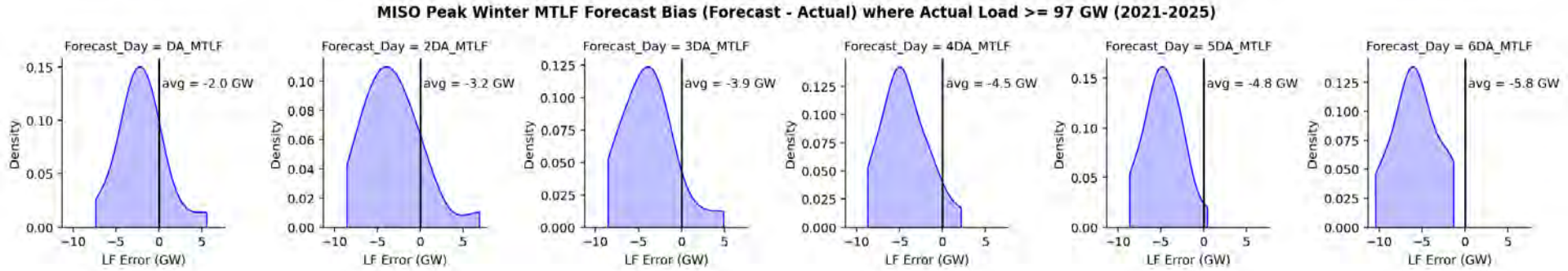


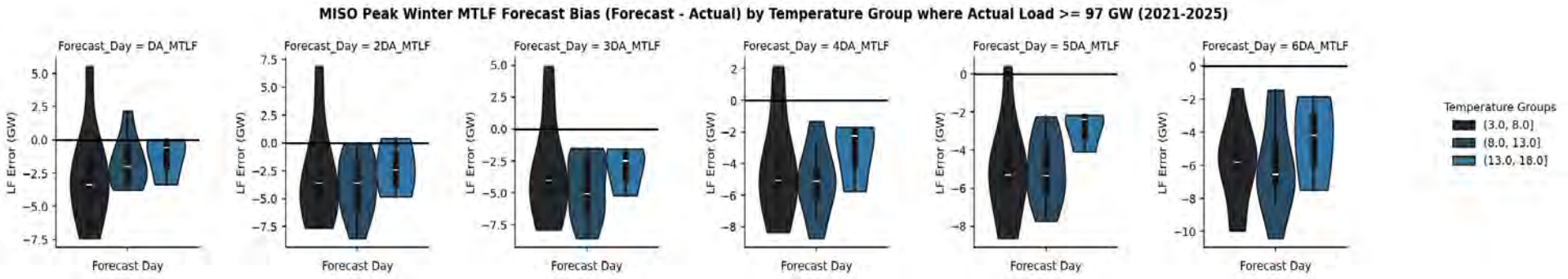


MISO Daily Average Temperatures: Analog Years



Seasonal Load Forecast Bias: Consistent under-forecast bias





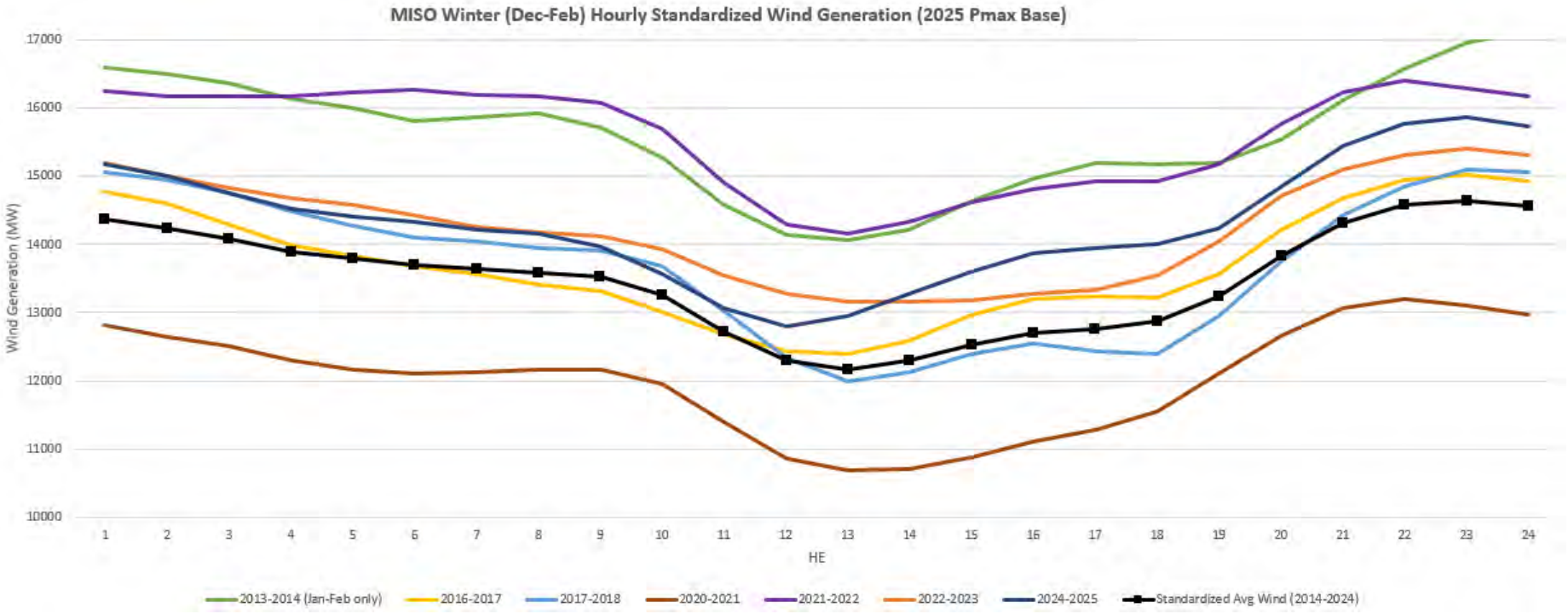
Winter weather can have major impacts to real-time operations of renewable resources

MISO has used historical winter events to collaborate with vendors and market participants

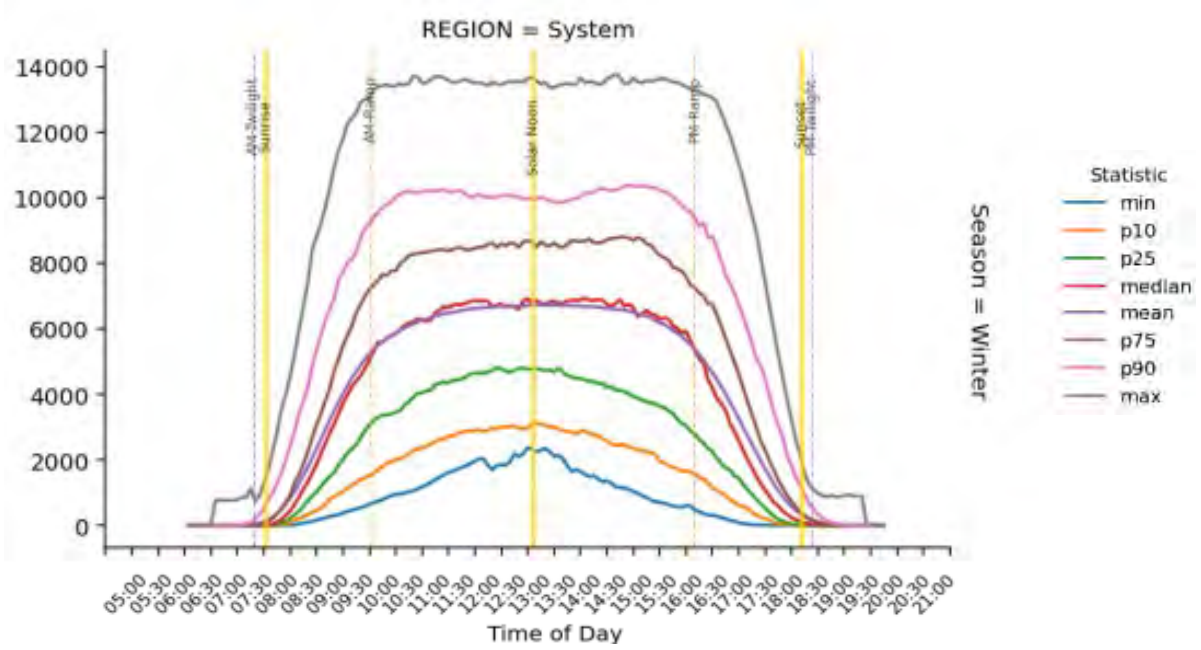
MISO's potential power loss of wind is 24.4 GW when temperatures <= -30 Degrees Fahrenheit

MISO's forecasts consider icing, MISO considers the associated risks

Analog winters indicate normal to above normal wind generation



With solar rapidly growing, what does solar generation look like in Winter at the latest MISO Pmax?



Weather Summary

- North and Central Region temperatures expected to be normal to slightly below normal
    - This is highly dependent on frequency/intensity of cold shots throughout winter
- Above normal temperatures are expected in the South Region on average
- An active storm pattern expected with above normal precipitation across the Great Lakes
- Dry conditions expected across much of the South Region throughout the winter

Adam and Ella's Opinion

- The La Niña *(ocean-atmosphere)* looks to be more of a weak signal this upcoming winter; but still driving the underlying pattern. Cold air outbreaks have a greater likelihood with a weak La Niña
- Monitoring other atmospheric and oceanic signals throughout the winter will be more impactful to the MISO footprint from a temperature perspective
- Weaker stratospheric winds expected this winter can lead to more Polar Vortex disruptions
- An above normal winter in the South Region is expected, but doesn't preclude cold shots extending into the South region
- Precipitation is expected to be elevated in MISO's North/Central region which can increase icing and snowfall creating more renewable forecast difficulties

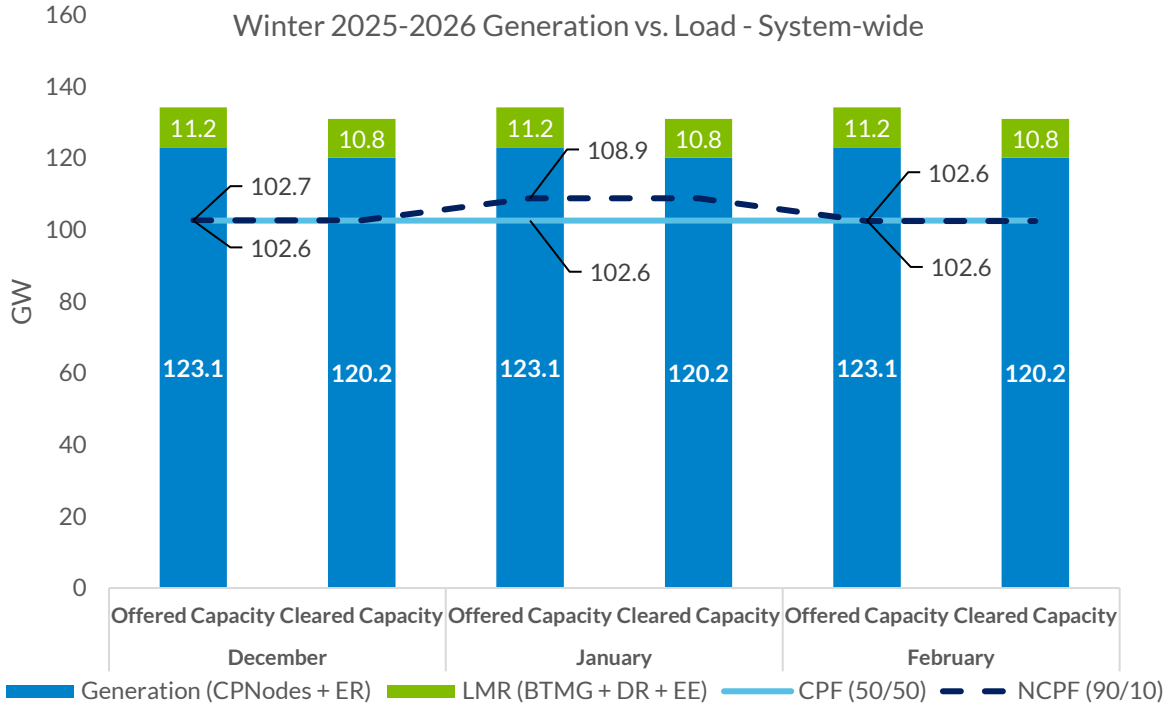
Questions?

2025-26 Winter Readiness: Generation

Gurman Kaur, Senior Engineer
Resource Adequacy
gkaur@misoenergy.org

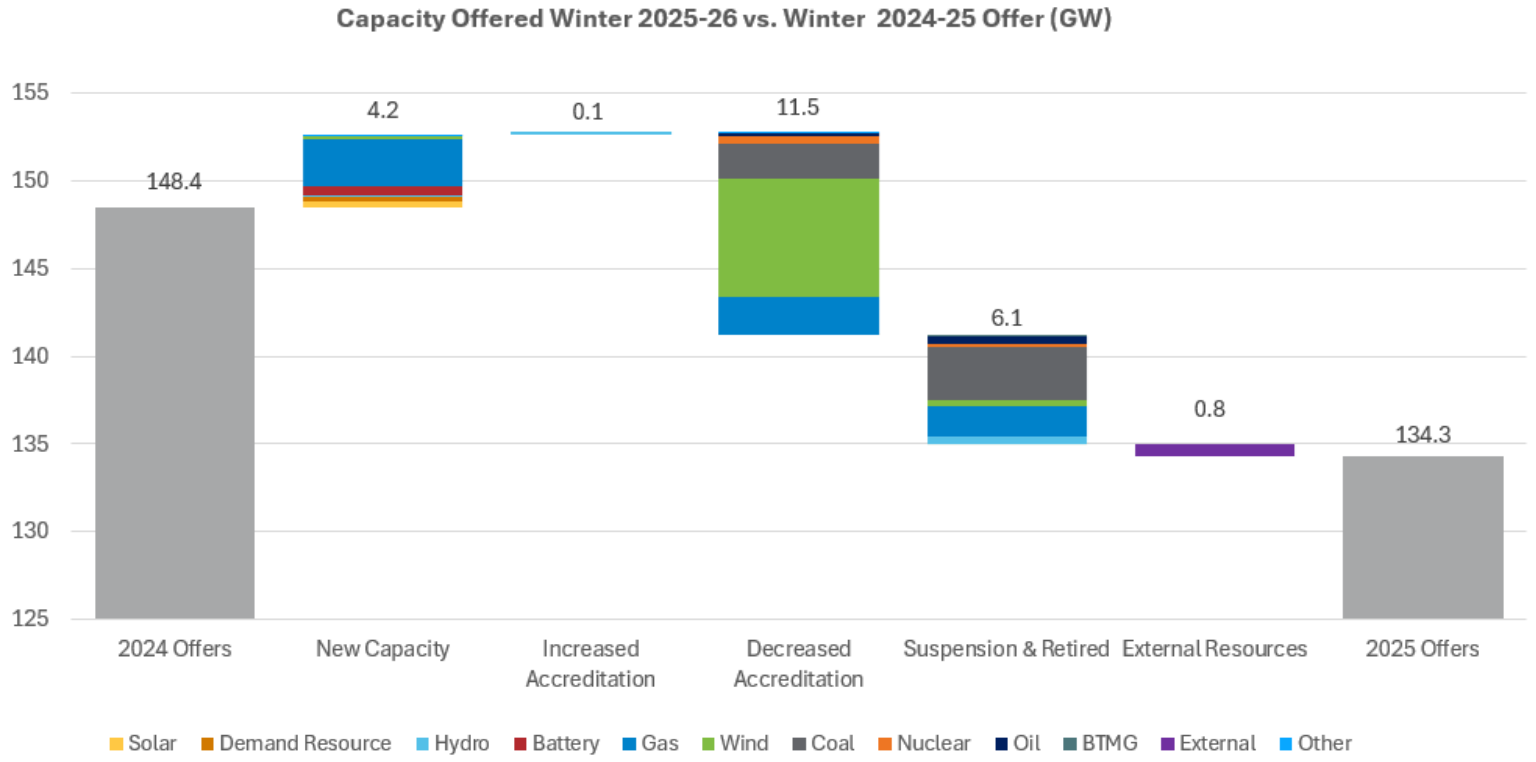
MISO projects sufficient capacity to cover both Coincident and Non-Coincident peak forecast load(s)

- **Coincident Peak Forecast** values are submitted by MISO Load Serving Entities, relative to MISO Seasonal peak.
- **Non-Coincident Peak Forecast** values are submitted by MISO Load Serving Entities, relative to each entity's monthly peak.



Source for CPF and NCPF data for Winter 2025-2026 is MISO PRA and load forecast submission process based on MISO Tariff, Module E-1.
CPNodes: Commercial Pricing Nodes ER: External Resource BTMG: Behind the Meter Generation
DR: Demand Resource EE: Energy Efficiency CPF: Coincident Peak Forecast NCPF: Non-Coincident Peak Forecast

The Winter 2025-2026 Planning Resource Auction (PRA) resulted in a decrease in surplus ZRCs in comparison with the Winter 2024-2025 PRA



Due to enhancements to the LOLE model development process, risk in the winter shifted to those hours when wind is less effective, resulting in lower winter wind accreditation than the previous year. For thermal resources including coal and gas, accreditation reduced due to historical performance.

Questions?

2025-26 Winter Readiness: Transmission

Fisseha Zewdu, Senior Engineer
Operations Planning
fzewdu@misoenergy.org

Executive Summary

- MISO is well positioned to handle unplanned events for the upcoming Winter season
- Several studies simulated unplanned events and extreme conditions on the MISO Winter system
- Results were used to identify potential adverse conditions and develop mitigations ahead of real-time operations

The Coordinated Seasonal Assessment study is used to identify potential issues and develop plans

Purpose:
Evaluate expected conditions across MISO footprint for Winter Season.
Identify potential limitations and issues for upcoming season and develop operating plans.
Coordinate with MISO members.

Study Focus:
Steady-State Analysis.
Bidirectional Transfer Studies.
Load Pocket Studies.

The 2025 Winter model was built from the Eastern Interconnection base case with MISO Transmission projects and planned outages applied

Base Case:

- Built on the 2025/26 Winter ERAG MMWG model
- Generator Retirements approved on or before May 1, 2025, are offline
- Outages: Transmission and Generator Outages are modeled if they are greater than or equal to two months between the months of December through February
- TO's can recommend outages outside the period if deemed necessary

MOD Projects:

- MTEP Appendix A – Planned
- All the generation interconnection projects applied

Generation Assumptions

- Renewables: Wind and Solar units dispatched at their capacity credit levels
- Qualified Facilities (QFs) and MISO South Load Pocket Op Guides honored

Steady State AC Contingency Analysis did not uncover any contingencies without operating plans for the winter season

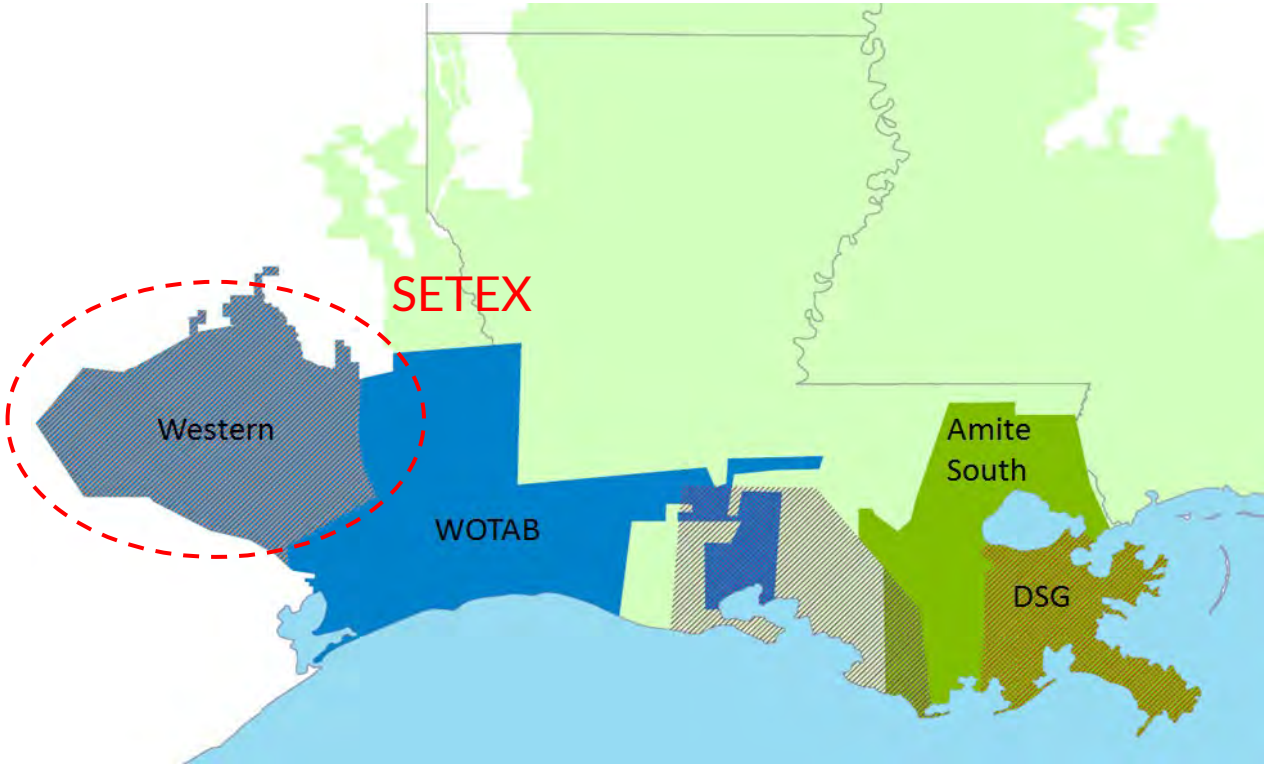
Approximately 18,500+ contingencies studied

NERC defined Category P1 contingencies

- P1.1 – three phase faulted generator (>50 MW)
- P1.2 – three phase faulted transmission circuit
- P1.3 – three phase faulted transformer
- P1.4 – three phase faulted shunt device
- P1.5 – single line to ground dc pole

MISO runs import studies regularly for the load pockets

- The peak load conditions for the three MISO load pockets are simulated:
  - Amite South at **7201** MWs.
  - Downstream of Gypsy (DSG) at **2990** MWs
  - Southeast Texas (SETEX) at **6086** MWs
- Transfer studies into the pockets are performed.
- Results used to identify import limits for the pockets.



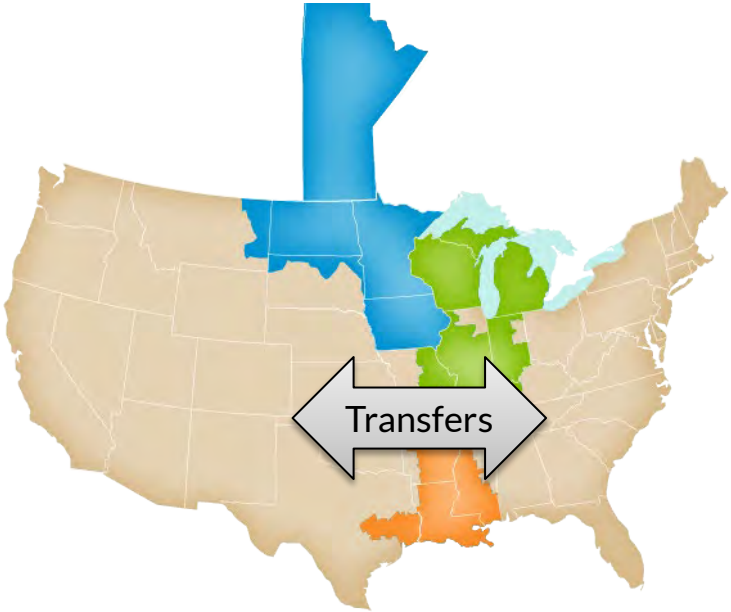
Load pocket transfer results indicate that import limits are in line with current operating guides

Load Pocket	Monitored Element	Limiting Contingency	Violation Type	Import Capability (MW)
AMITE SOUTH	Tali Sheek – Bakers Corner 230 kV	French Branch - Logtown 230 kV + Ninemile Point Unit 5	Thermal	3,222
DSG	Good Hope – Prospect 230kV	Waterford– Churchill 230 kV and Ninemile Point Unit 5	Thermal	2268
*SETEX	*Failed to converge	Rocky Creek – Crocket 345 + MCPS Full Station	Thermal & Voltage	2625 (Last cnvg limit)

* Additional generation or reactive resources are required to maintain voltage/reactive balance under this contingency

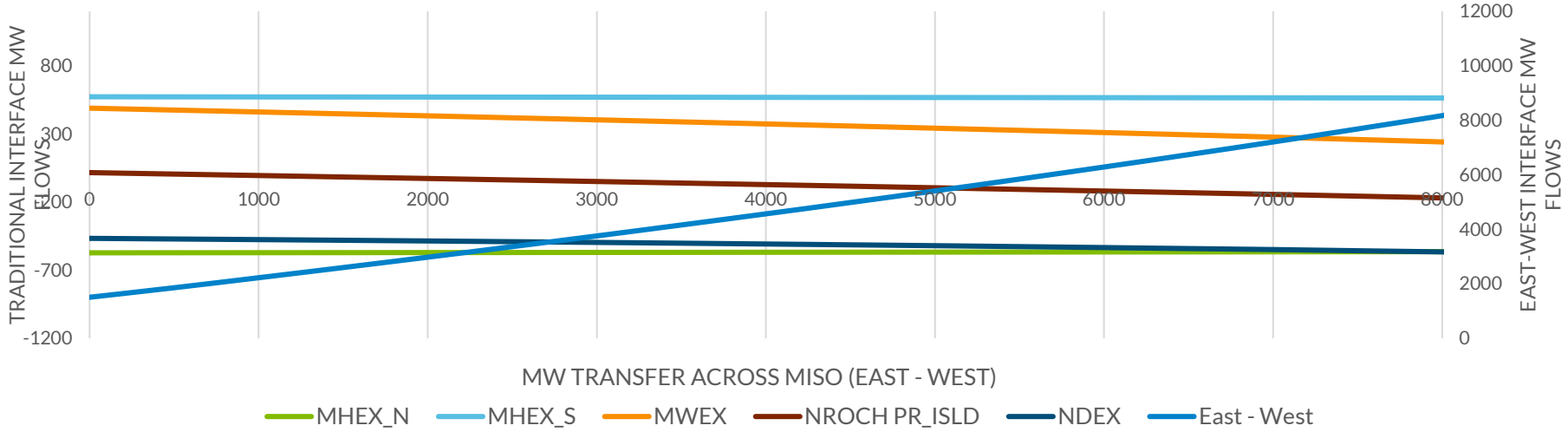
Bi-directional transfer studies across the MISO footprint identify main constraints with transfers between MISO neighbors

- Transfers across MISO between East and West systems:
  - East system – PJM, SERC (without AECI)
  - West system – SPP and AECI
- Transfer value selected above realistic transfers to identify leading constraints.
  - 15,000 MW used.
- Flows measured at all tie points and lines bypassing MISO.



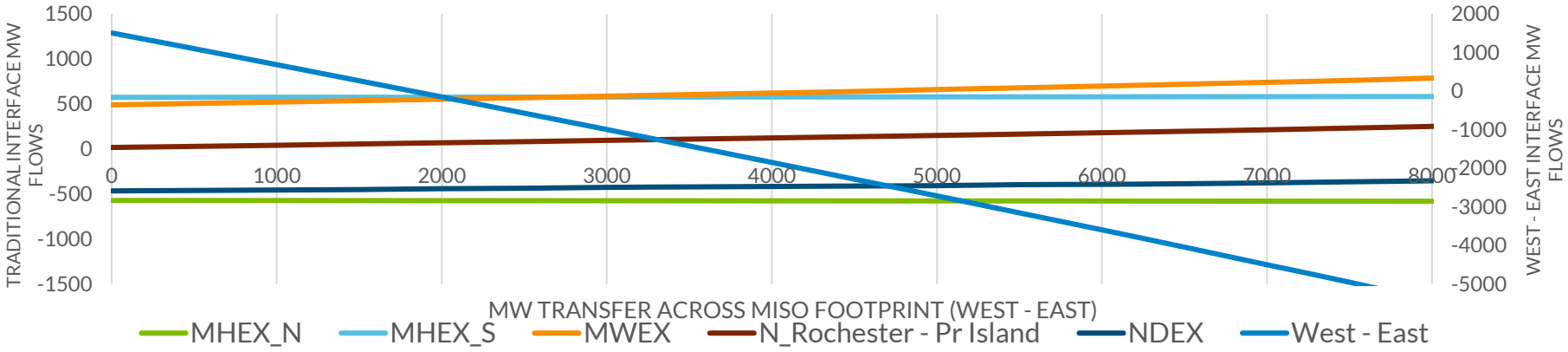
East to West transfer leading constraints and interface flows were identified during this study

Monitored Facility	Rating	Area	Contingency Name	DC TrLim	AC TrLim
338674 5DRY_CRK% 161 338103 5GRNFOREST.S 161 1	223	EES-EAI	EAOKE001: ARKANSAS NUCLEAR - FT SMITH 500	6976.9	6976.9
338814 5SOUTHLAND# 161 338125 5MT HOME 161 1	162	EES-EAI	EA16039: HARRISON EAST-HILLTOP 161	4527.9	4704.5
338874 3LEWISVILLE# 115 338875 3PATMOS.W# 115 1	159	EES-EAI	EAEE010: ELDORADO - MT OLIVE 500	6417.3	5775.7



West to East transfer leading constraints and interface flows were identified during this study

Monitored Facility	Rating	Areas Name	Contingency Name	DC TrLim	AC TrLim
337427 8PERRYVILLE% 500 336830 8BXTRWILSON% 500 1	1940	EES-EMI/EES	EAEE010: ELDORADO - MT OLIVE 500	8925.7	9501.5
338056 CHALKBLUFFPV 500 338162 8W.MEMPHIS% 500 1	1732	EES-EAI	EA50001: DRIVER - SANBYU 500	7449.3	8569.4
635568 S HILLS 3 345 635630 BOONEVILLE 3 345 1	1195	MEC	MEC34116: MADISON CO - ORENTDRT 345	7716.2	7985.7



Questions?

2025-26 Winter Readiness: Winterization Survey

Mike Mattox, Advisor
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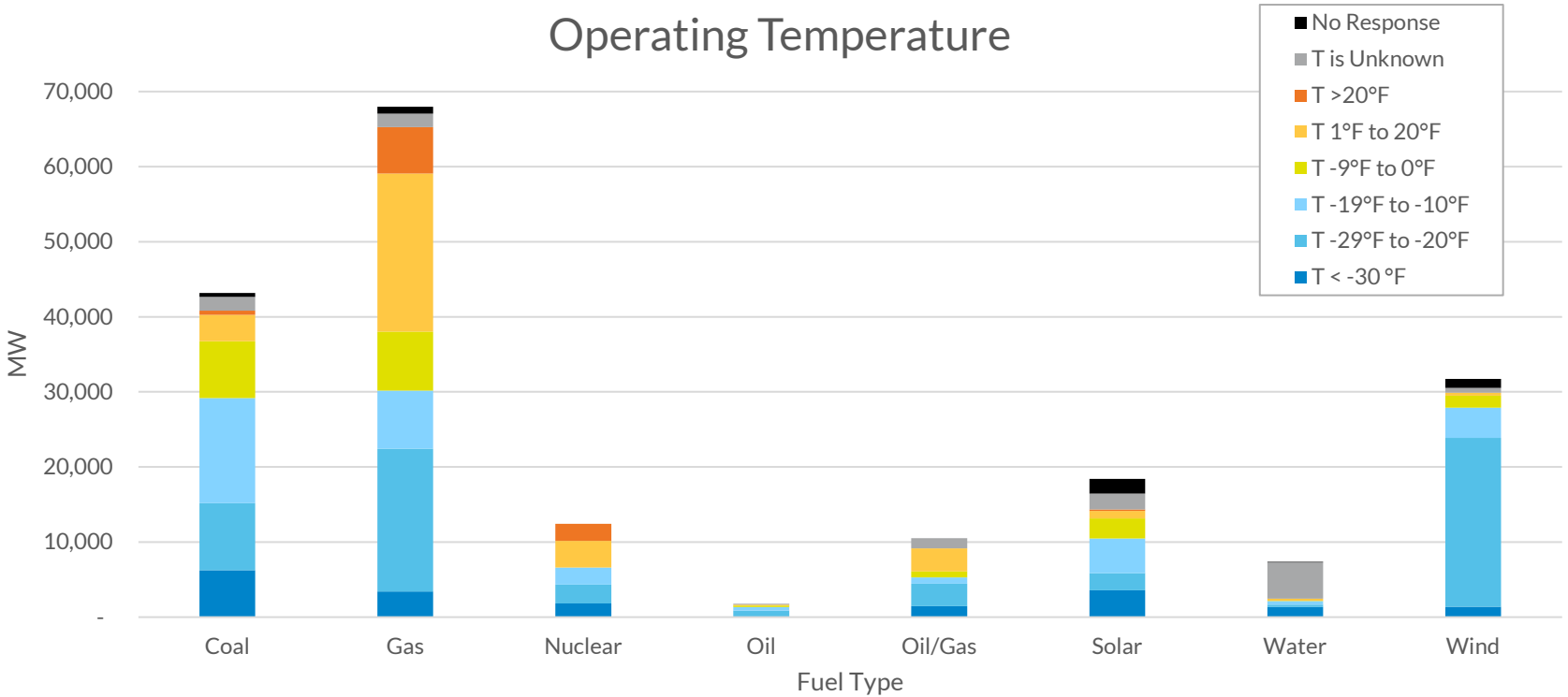
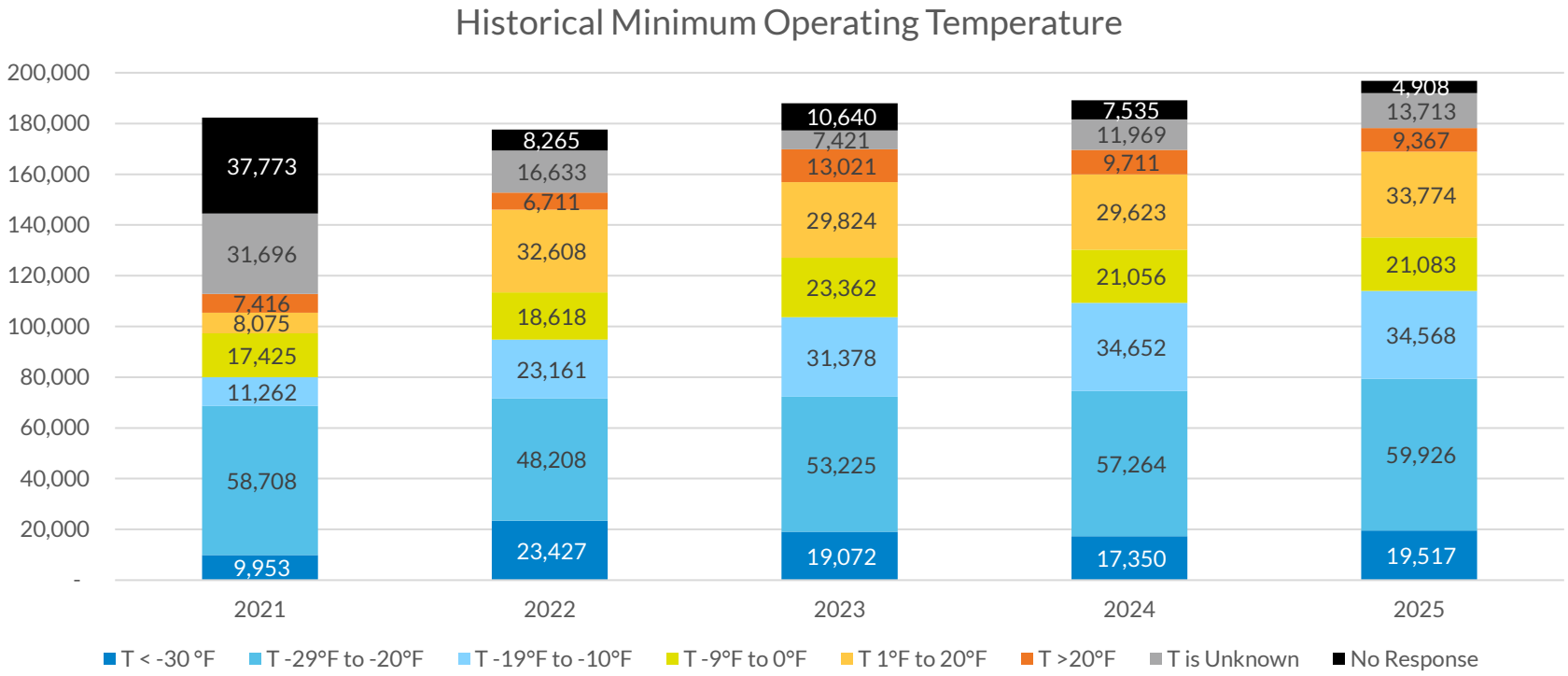
Cold Weather Operating Capability by Fuel Type



Fuel Types <1,000 MW Excluded

Cold Weather Operating Capability Continues to Improve



Questions?

2025-26 Winter Readiness: Uncertainty Management

Jason Howard, Director
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Matthew Campbell, Manager
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mcampbell@misoenergy.org

MISO and its members reliably and efficiently navigated several significant weather events last winter

WINTER STORMS BLAIR & CORA

- January 6-9
- Footprint-wide cold: 21.4˚F
- Systemwide peak demand: 98 GW*
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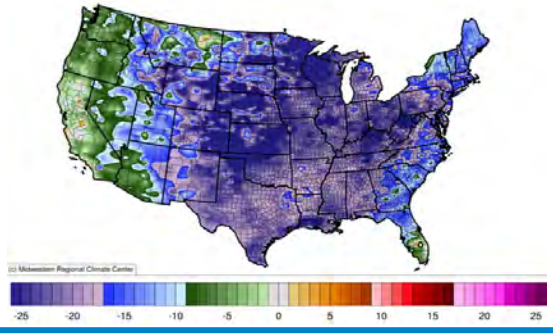
WINTER STORM ENZO



Average temperatures, 30-year departure from normal

CONDITIONS

- January 20-22
- Footprint-wide extreme cold: 6.5˚F
- Systemwide peak demand: 108 GW*
- South Region peak demand: 33 GW*

OPERATIONAL HIGHLIGHTS

- Market participant actions
- Daily risk assessments and Uncertainty Management Model utilization
- Effective and efficient real-time commitments
- Ongoing congestion management efficiency

All-time systemwide winter peak demand – **109 GW (January 6, 2014) and previous South Region winter peak demand – **32.3 GW** (January 17, 2024)*

Work done for Operations of the Future has positioned MISO well for efficient reliability through the fleet transition, as evidenced by our performance across the last four major storms

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President's Day

Temperature	13˚F
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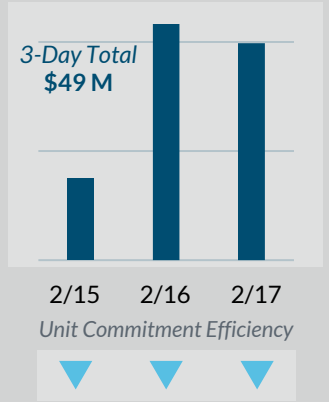
*Uplift**



ELLIOTT

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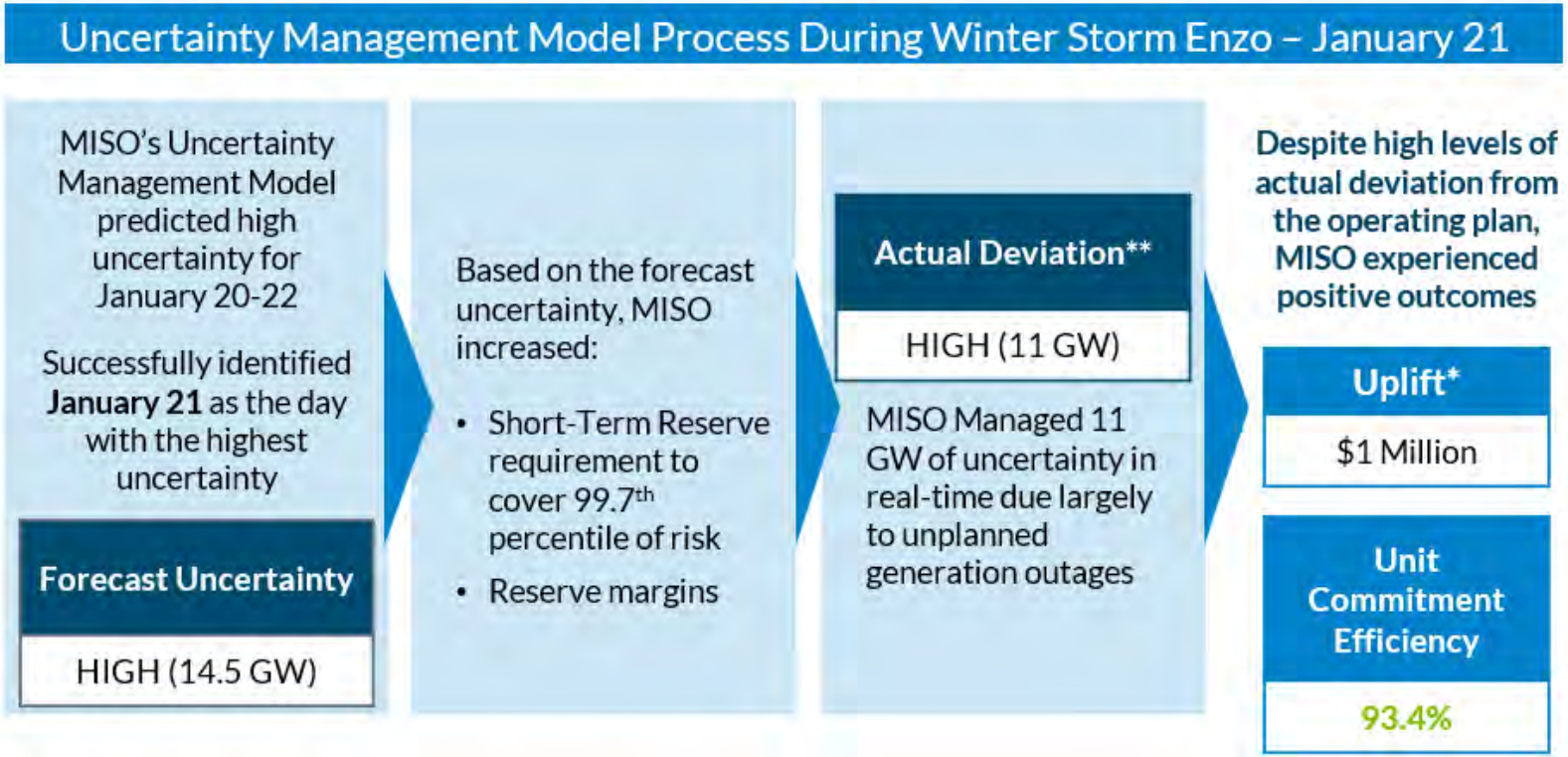
*Uplift**

**Uplift is also known as revenue sufficiency guarantee (RSG)*

Unit Commitment Efficiency (2024 thresholds)
Expected 91.5 % Monitor 89.5 % Review 87.5 %

MISO's Uncertainty Management Model continues to aid our operations in more confident and agile decision-making, resulting in efficient reliability

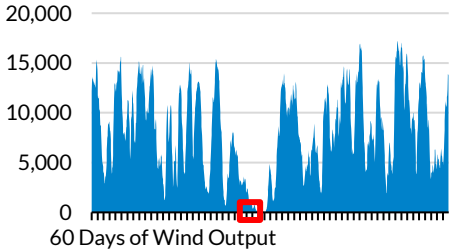


*Uplift is also known as revenue sufficiency guarantee (RSG)
**The net load difference between the next-day operating plan and what occurs in real-time

Operational challenges continue to be monitored with expected resource mix for upcoming winter season

LONG-DURATION OUTAGES

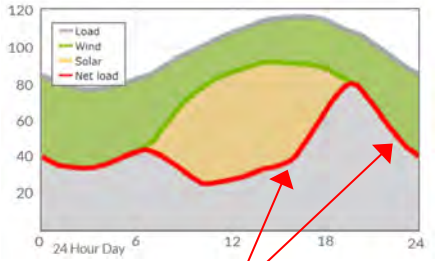
MISO Hourly Wind Output
January & February - 2020 (MW)



~40 hours of essentially zero wind

SHIFTING NET-LOAD SHAPES

Future System Net Load
Average Summer Day - 2032 (GW)



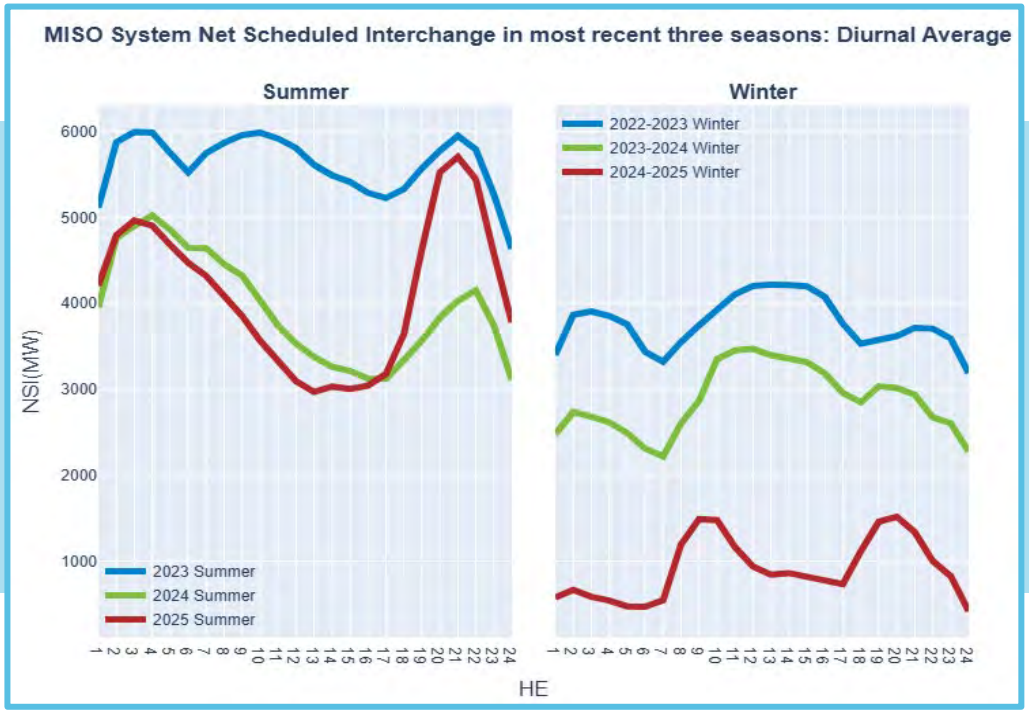
High ramp up need in early evening and high ramp down need middle of the night

SYSTEM STABILITY CHALLENGES

Frequency & High-Wind Output
March 3, 2024

Wind is one of several factors that MISO has linked to increased frequency fluctuations

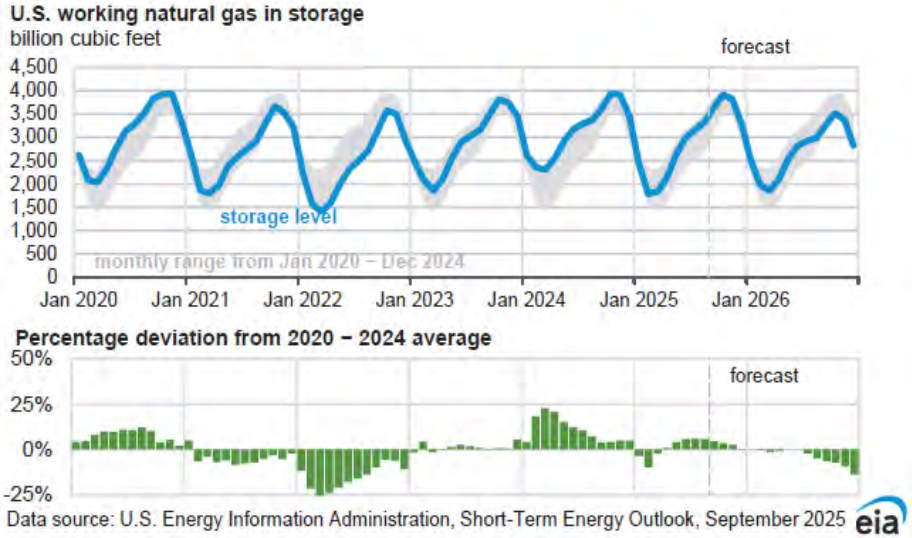
Net Scheduled Interchange (NSI) patterns continue to shift year over year

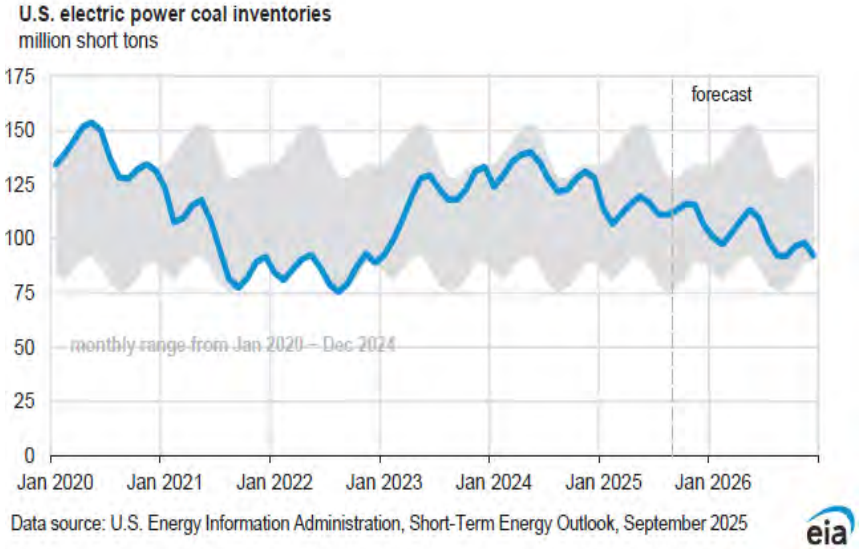


On average, MISO relies more on NSI during summer months than in winter

PJM accounts for the bulk of the NSI in winter months but has a declining trend

Dispatchable Thermal Generation Fuel Supply Outlook



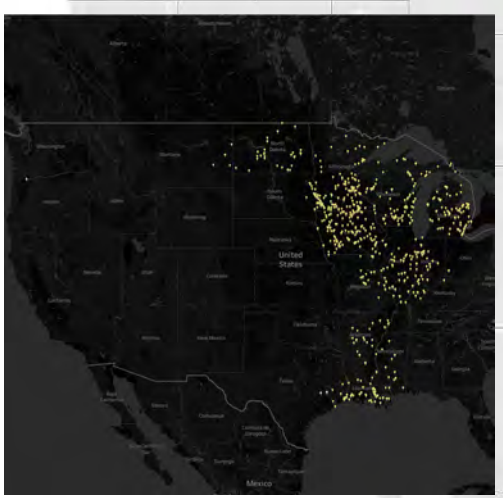


The balance between natural gas and coal generation will depend on fuel availability and delivery. Natural gas storage is projected to be lower than the 5-year average each month.

Coal inventories at power plants are expected to be lower than last winter and on the lower end of the 5-year average.

Operations Uncertainty Platform – Fail to Start Dashboard

Operations Uncertainty Platform – Gas Pipeline Risk Dashboard



REDACTED

Selected Int..	Selected Int..	Storage Ser..	Transportation Type Sele..	Other Comments	Max Output
					198,007
Null	Null	No	Interruptible Transport O..	Establishment of a winter..	163
Null	Null	Null	Null	Site can only generate dur..	50
Null	Null	Null	Null	Site can only generate dur..	50
Null	Null	Null	Null	Site can only generate dur..	50
Null	Null	Null	Null	Site can only generate dur..	50
Null	Null	Null	Null	This facility is not a NERC..	68
Null	Null	Null	Null	Null	305
Null	Null	Null	Null	Null	305
Null	Null	Null	Null	Site can only generate dur..	75
Null	Null	Null	Null	Not expected to be in serv..	99
Null	Null	Null	Null	Null	420
Null	Null	Null	Null	Site can only generate dur..	200
Null	Null	Null	Null	all our hydro plants have..	6
Null	Null	Yes	Interruptible Transport O..	No isochronous droop set..	160
Null	Null	Yes	Interruptible Transport O..	No isochronous droop set..	157
Null	Null	Null	Null	Site can only generate dur..	50
Null	Null	Null	Null	Site can only generate dur..	160
Null	Null	Null	Null	Site can only generate dur..	45

© 2025 Mapbox © OpenStreetMap

Net Uncertainty Forecast and Dynamic Reserve

Market product	Reserve Requirement	Uncertainty Forecast
Short-Term Reserve	In PRODUCTION (DART) • Systemwide/Regional • Normal/High • Seasonal	In PRODUCTION ND FRAC Net Uncertainty Forecast Model
Ramp Capability Product	In REFINEMENT • Systemwide • Normal/High • Seasonal	In TESTING • Test through May 2026
Regulation	In PRODUCTION (DART) • Systemwide • Normal/High • Monthly	In TESTING • Test through May 2026

Note: status as of October 1, 2025

Forward looking Capacity Advisory and Conservative Operations declarations

- Goal of the Multi-Day Forward Reliability Assessment and Commitment process is to ensure we can meet reserve margin thresholds to manage projected operating conditions for Operating Day (OD) +1-6
- Reserve Margin = Total available generation – Total obligation + Net uncertainty
- Declarations can be 1-5 days in advance with no intraday Capacity Advisory declarations
- Conservative Operations considerations: generation availability and transmission deliverability

Operating Reserve Margin Thresholds

ND-FRAC Commitment Threshold Master Table

Primary Commitment Threshold Recommendation

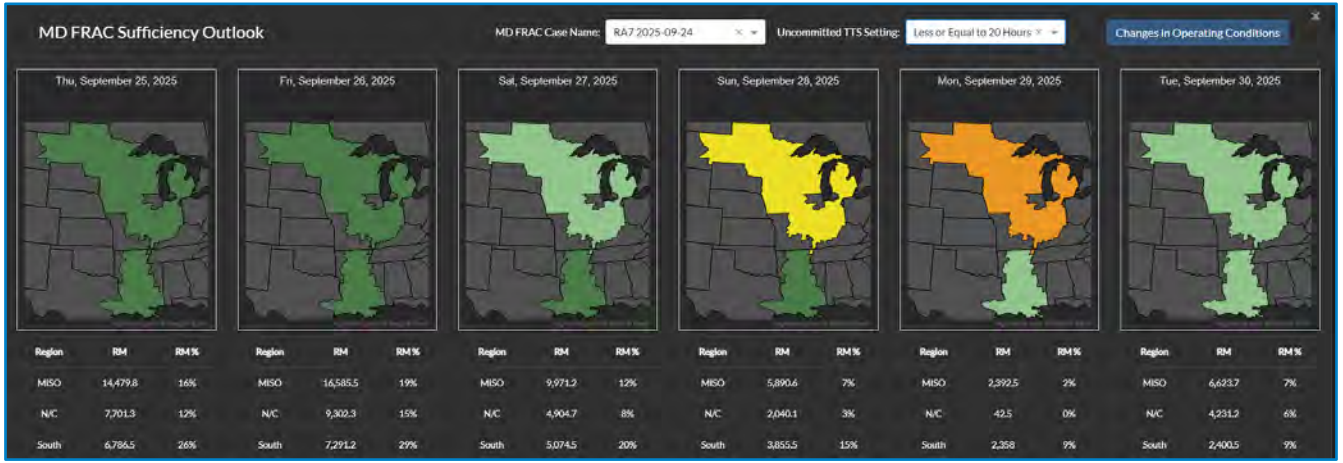
Systemwide		North/Central		South	
Forecast Uncertain..	Commitment Threshold (MW)	Forecast Uncertainty	Commitment Threshold (MW)	Forecast Uncertainty	Commitment Threshold (MW)
1-Low (Green)	REDACTED	1-Low (Green)	REDACTED	1-Low (Green)	REDACTED
2-Medium (Yellow)	REDACTED	2-Medium (Yellow)	REDACTED	2-Medium (Yellow)	REDACTED
3-High (Orange/Red)	REDACTED	3-High (Orange/Red)	REDACTED	3-High (Orange/Red)	REDACTED

- Evaluated for each upcoming season to capture recent trends in uncertainty
- Threshold level determined from uncertainty forecast model

MISO's operating reserve margin outlook is dependent on updated offers and outages from members

MKTDAY	PERCENT_UPDATED
2025-10-07 05:00:00.000	100%
2025-10-08 05:00:00.000	64%
2025-10-09 05:00:00.000	47%
2025-10-10 05:00:00.000	36%
2025-10-11 05:00:00.000	26%
2025-10-12 05:00:00.000	26%
2025-10-13 05:00:00.000	10%

MISO issues declarations using the best available information to provide situational awareness



Questions?

Winter Readiness 2025
Technical Development

Anita Hurst, Manager
Technical Development & Training
ahurst@misoenergy.org

MISO Cold Weather Drill

Learning Objectives

1. Summarize the events and effects of a major winter storm's impact on the BES.
2. Explain the impacts of severe weather on generation and the effects of generation loss.
3. Explain the effects of large scheduled increases through MISO's footprint.
4. Analyze lessons learned from a recent major winter storm event and how to apply those lessons to future events.

Agenda

- Introduction/Why Are We Here?
- Winter Storm Uri
- Winter Storm Elliott
- Winter Storm Heather
- Uri vs Elliott & Uri/Elliott vs Heather
- 2025 Arctic Event
- VOLL Pricing Review
- Discussion Activity
- Create Your Own Winter Storm
- Final Debrief/Wrap-up

MISO Power System Restoration Drill

Learning Objectives

1. Assess system conditions, communicate using 3-part communication and practice implementing system restoration plans
2. Describe actions to restore identified critical transmission, generation, loads and transmission paths to nuclear plants
3. Assess readiness for connecting to neighboring systems
4. Resync systems to neighboring TOPs and the Interconnection

Agenda

- Introduction/Scenario Review
- Simulation Begins (restore in MISO Simulator)
- Interconnection Checklist
- Transfer of Control
- Restoration Continues
- Voltage and Reactive Resources
- Day One Wrap Up & Progress Report
- Restoration Continues from Pre-Built Islands
- Critical Facilities Discussion
- Final Debrief/Wrap-up

Questions?

Market Capacity Emergency EOP-002 Updates

Don Hunter, Manager
MISO Operations
Carmel Control Room
dhunter@misoenergy.org

Market Capacity Emergency Procedure Changes Summary

- **Precautions**
  - Reserve Margin entry conditions are now based on **forecasted uncertainty levels** for the operating day(s), not just outages or other risks
- **Capacity Advisory Entry Conditions**
  - Now triggered when forecasted Reserve Margin < threshold tied to the uncertainty level – no longer a fixed < 5% or South Region only trigger
  - Capacity Advisory Declaration made OD+1 to OD+4
  - Entry conditions for Max Gen Alert and higher remain the same

Market Capacity Emergency Procedure Changes Summary

- **Additional Steps**
  - Added ability to declare **Conservative Operations** at the Capacity Advisory level if warranted
  - In **Max Gen Warning,** added step to notify GOPs with environmental de-rates to obtain waivers early if escalation to **Max Gen 2a** or higher is anticipated
- **Removed Priority 6-NN Tag Steps**
  - Step 3b references have been deleted. We no longer upgrade priority 6 tags to 7 in this step

Market Capacity Emergency Procedure Changes Summary

- **Event Step 4b/5**
  - Added note for maintaining appropriate **Regulating Reserves** to avoid firm load shed for normal ACE deviations
  - Added note that the **SM will ensure Firm Load Shed points are known** and members are prepared to execute Load Shed when reserves are depleted and additional action is required such as during increasing load conditions or ACE recovery from generation loss

Market Capacity Emergency Procedure Changes Summary

- **Downgrade/Termination**
  - Added actions to **end emergency energy purchases** and **reload export curtailments** made during the event
- **Administrative**
  - Removed **MBAA Sub-Region** definition and all mentions in procedure per Tariff

Questions?

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 142

MISO Winter 2024–25 Operations Report

MISO Operations Report

Markets Committee of the
Board of Directors

March 11, 2025

Executive Summary

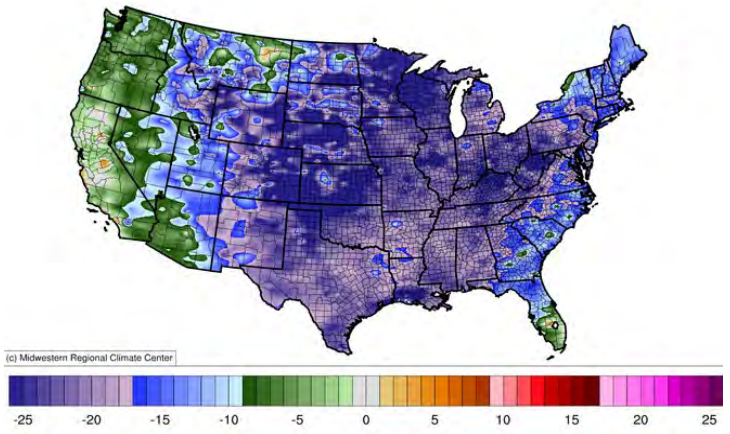
- MISO operations experienced a busy start to the year with significant winter weather events; the Uncertainty Management model aided MISO and its members in delivering efficient reliability
- MISO continues to improve the management of these events and is seeing progress as we review the outcomes of the last four winter weather events
- Reliability, market and operational functions performed as expected this winter, and MISO anticipates sufficient supply to cover demand under typical conditions this spring

MISO and its members reliably and efficiently navigated significant weather events this winter season

WINTER STORMS BLAIR & CORA

- January 6-9
- Footprint-wide cold: 21.4˚F
- Systemwide peak demand: 98 GW*
- Strong fleet performance

WINTER STORM ENZO



Average temperatures, 30-year departure from normal

CONDITIONS

- January 20-22
- Footprint-wide extreme cold: 6.5˚F
- Systemwide peak demand: 108 GW*
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OPERATIONAL HIGHLIGHTS

- Market participant actions
- Daily risk assessments and Uncertainty Management Model utilization
- Effective and efficient real-time commitments
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All-time systemwide winter peak demand – **109 GW (January 6, 2014) and previous South Region winter peak demand – **32.3 GW** (January 17, 2024)*

Operations of the Future work has positioned MISO well for efficient reliability through the fleet transition, as evidenced by our performance across the last four major storms

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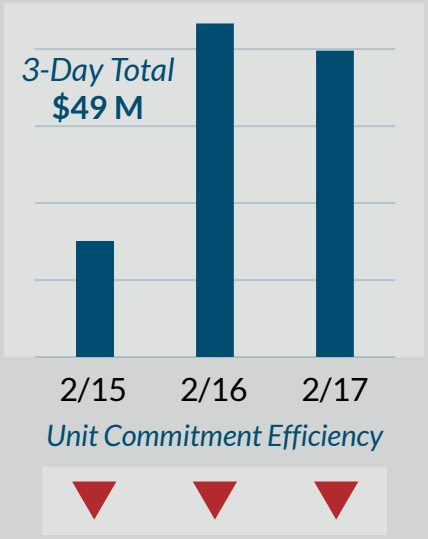

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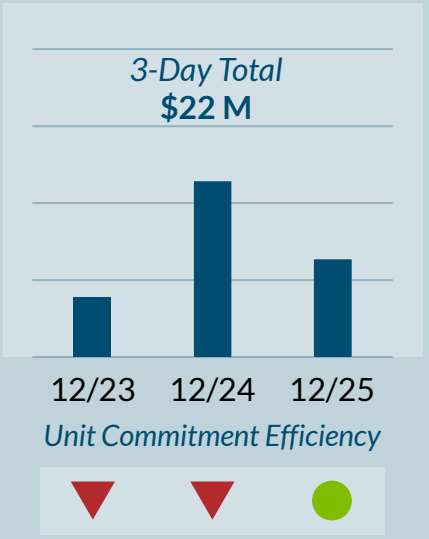

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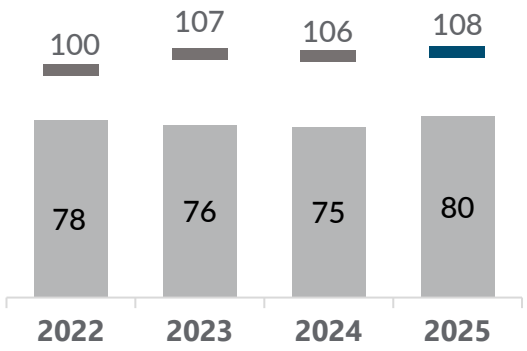
Reliability, markets and operational functions performed as expected this winter

AVERAGE AND PEAK LOAD (GW)



SYSTEMWIDE PEAK

108 GW

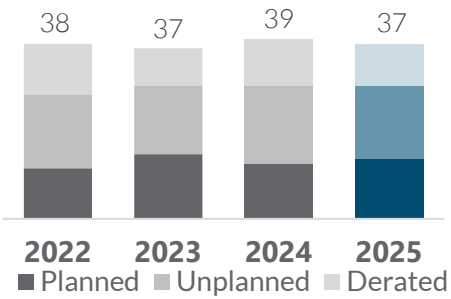
January 21

Winter Forecasted Peak: 100 GW

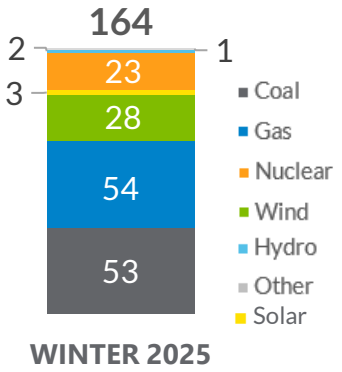
SOLAR PEAK
11.5 GW

February 21, Hour Ending 14

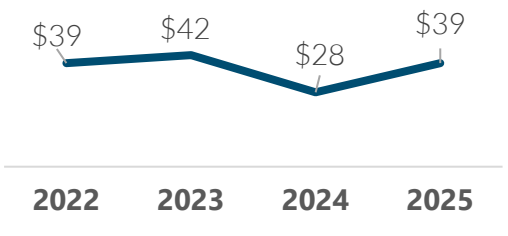
AVERAGE DAILY GENERATION OUTAGES (GW)



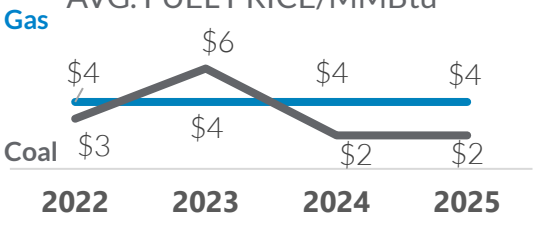
ENERGY FUEL MIX (TWh)



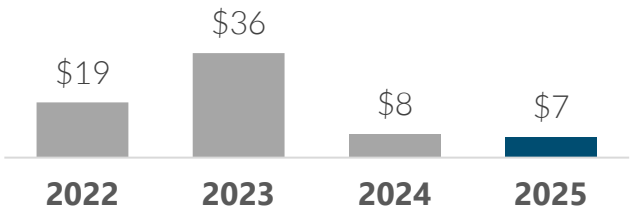
REAL-TIME LMP



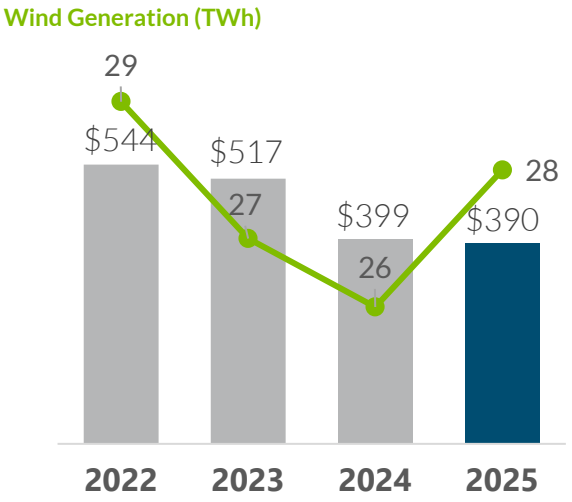
AVG. FUEL PRICE/MMBtu



REAL-TIME UPLIFT* PAYMENTS ($M)



REAL-TIME CONGESTION ($M)**



Data shown for winter (December-February) as of 2/25/25

**Uplift is also known as revenue sufficiency guarantee (RSG); uplift values may change due to resettlement*

*** Real-time congestion cost includes external constraints, data through 2/25/25*

Dashboard

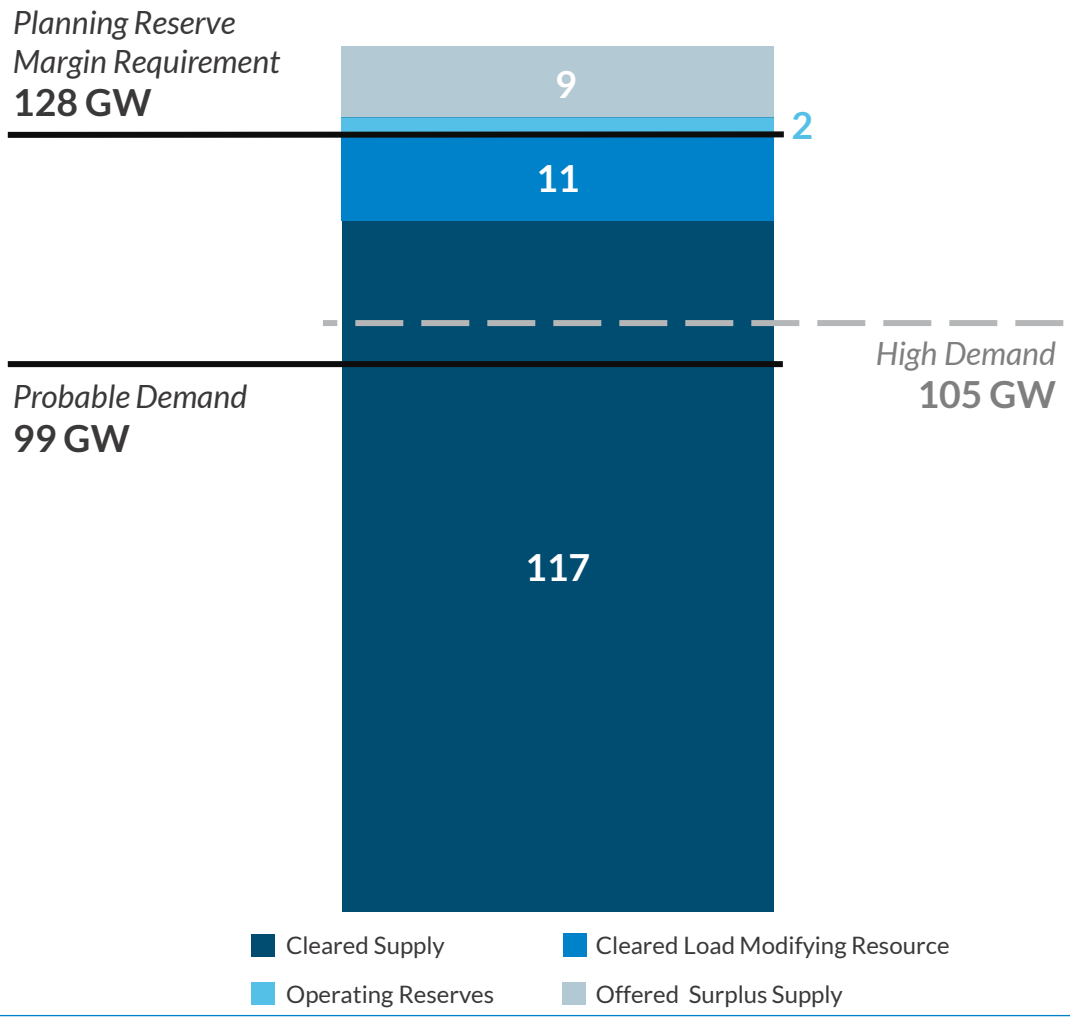
Metric	STI	Jan '25	Dec '24	Nov '24	Oct '24	Metric	STI	Jan '25	Dec '24	Nov '24	Oct '24
MARKET EFFICIENCY											
Market Funding Efficiency Metric	*Excellent*	●	●	●	●	Unit Commitment Efficiency	*Excellent*	●	●	●	●
OPERATIONAL EXCELLENCE											
Control Performance – BAAL	*Excellent*	●	●	●	●	Control Performance – CPS1 and CPS1 12-month rolling	*Excellent*	●	●	●	●
Price Deviation		●	●	●	▼	Real-Time Obligation fulfilled by Day-Ahead Supply at the Peak Hour		●	●	●	●
Monthly Average Gross Virtual Profitability		●	●	●	●	Day-Ahead Wind Generation Forecast Error		●	●	●	●
FTR Funding		●	●	●	●	Day-Ahead Solar Generation Forecast Error		●	●	●	●
RSG per MWh to Energy Price		●	●	●	●	Tie Line Error		●	●	●	●
Day-Ahead Mid-Term Load Forecast		●	●	■	■	ARS Deployment		●	●	●	●
Short-Term Load Forecast		●	■	●	▼						
CUSTOMER SERVICE											
System Impact Study Performance		●	●	●	●	Settlement Disputes		●	●	●	●

CLICK HERE to see MISO's monthly Operations Reports, which include the charts previously shared in the Appendix of this report

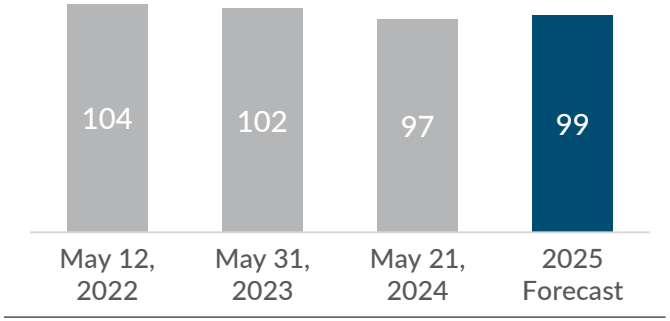
● *Expected* ■ *Concern/Monitor* ▼ *Review*

Spring 2025

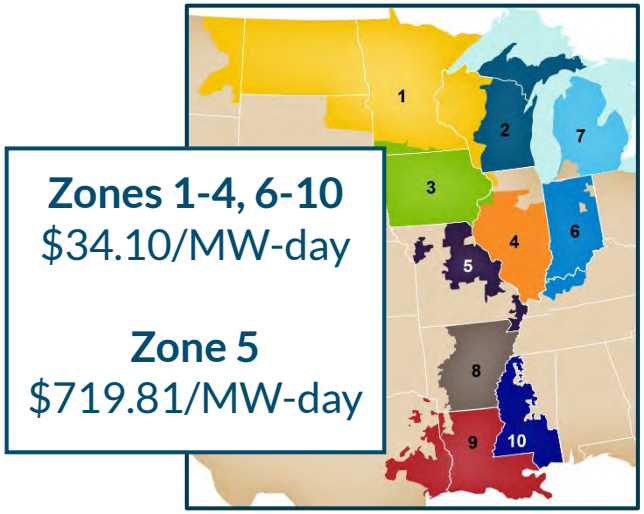
The MISO Seasonal Resource Adequacy Construct cleared sufficient resources to cover demand and projected uncertainty this spring



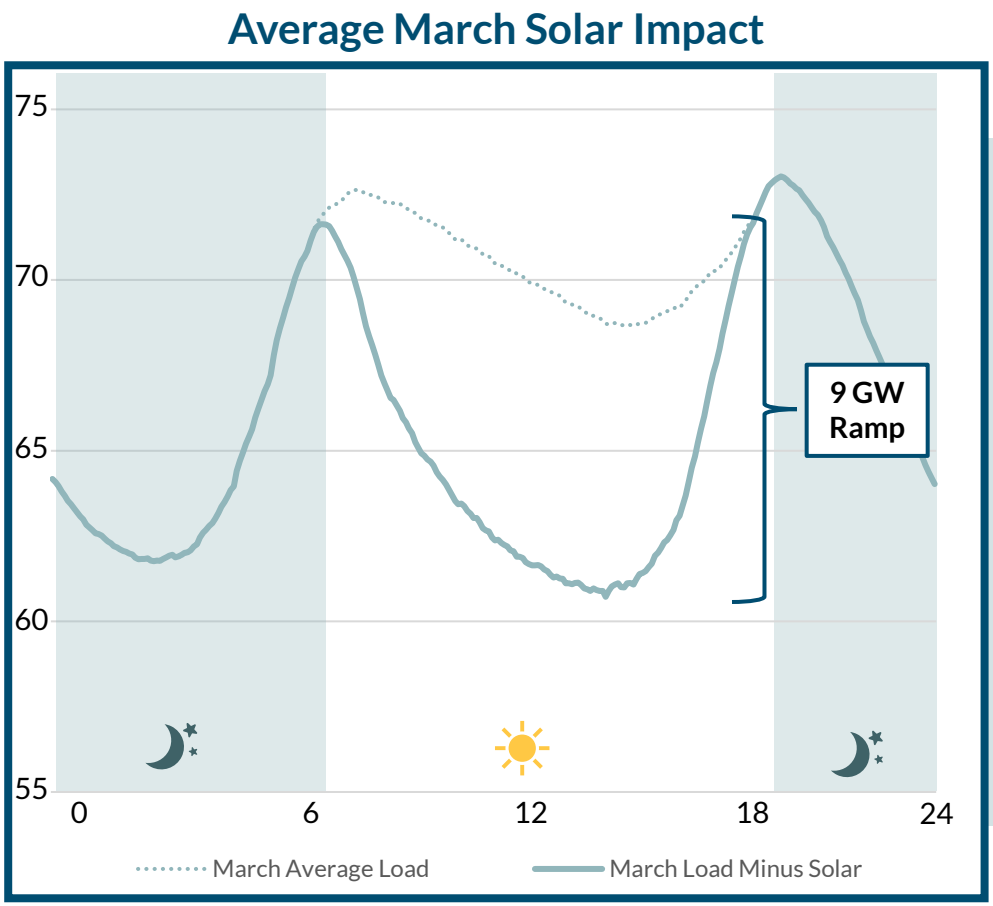
SPRING PEAK 2020 TO 2024 (GW)



SPRING CLEARING PRICES



Ongoing congestion management process improvements have enabled MISO to better manage growing ramp requirements as increasing solar combines with existing wind generation



- Solar's quick increase in the morning and sharp decrease in the evening are already contributing to large uncertainties, impacting balancing and congestion management
- MISO is adjusting tools and processes, forecasts and reserve margin requirements to manage growing solar
- As more solar is added, MISO is preparing for new risks that fall outside of typical peak demand time

Appendix

MISO's Uncertainty Management Model continues to aid our operations in more confident and agile decision-making, resulting in efficient reliability

Uncertainty Management Model Process During Winter Storm Enzo – January 21

MISO's Uncertainty Management Model predicted high uncertainty for January 20-22

Successfully identified **January 21** as the day with the highest uncertainty

Forecast Uncertainty

HIGH (14.5 GW)

Based on the forecast uncertainty, MISO increased:

- Short-Term Reserve requirement to cover 99.7th percentile of risk
- Reserve margins

Actual Deviation**

HIGH (11 GW)

MISO Managed 11 GW of uncertainty in real-time due largely to unplanned generation outages

Despite high levels of actual deviation from the operating plan, MISO experienced positive outcomes

Uplift*

$1 Million

Unit Commitment Efficiency

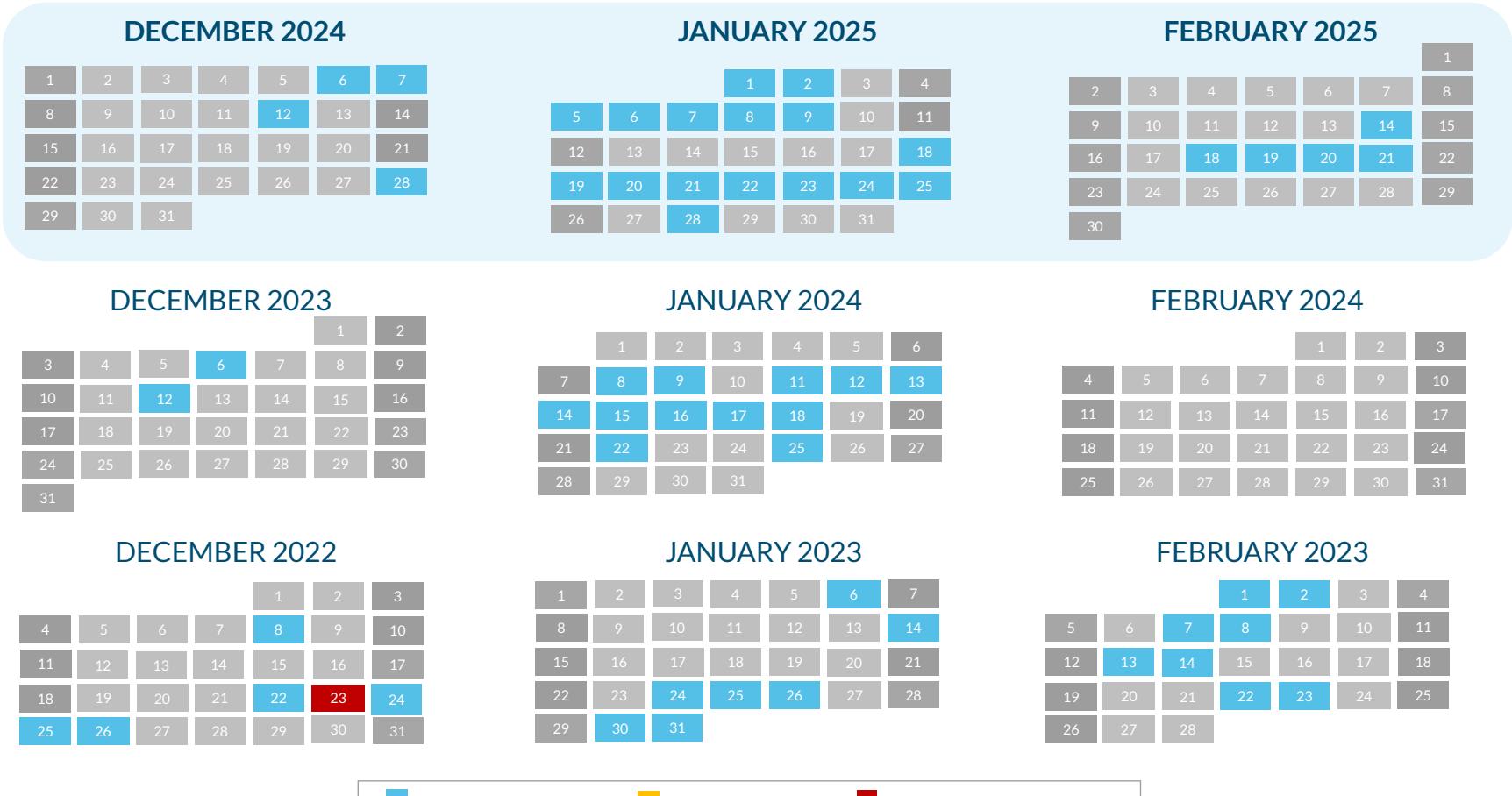
93.4%

**Uplift is also known as revenue sufficiency guarantee (RSG)*

***The net load difference between the next-day operating plan and what occurs in real-time*

No reliability actions were needed this winter

WINTER OPERATING CONDITIONS



Data shown for winter (December-February) as of 2/25/25

Details of Winter Operating Conditions

December 2024

- ***12/06 – North:*** *System Status Level 1*
- ***12/07 – North:*** *System Status Level 1*
- ***12/12 – North:*** *System Status Level 1*
- ***12/28 – South:*** *Severe Weather Alert*
- ***12/28 – South:*** *Conservative Operations*

January 2025

- ***1/01-1/02 – Footprint:*** *Conservative Operations*
- ***1/01-1/02 - Footprint:*** *Geomagnetic Alert*
- ***1/01 – Footprint:*** *Geomagnetic Warning*
- ***1/05 – South:*** *Severe Weather Alert*
- ***1/05-1/06 - Central:*** *Severe Weather Alert*
- ***1/06-1/09 - Footprint:*** *Cold Weather Alert*
- ***1/06-1/07 - South SEXTX:*** *Conservative Operations*
- ***1/06 – North:*** *System Status Level 1 (GRE)*
- ***1/18 – Footprint:*** *System Status Level 1 (ICCP outage)*
- ***1/19-1/22– Footprint:*** *Cold Weather Alert*
- ***1/20-1/22 - Footprint:*** *Conservative Operations*
- ***1/23 -1/25 – South & Central:*** *Cold Weather Alert*
- ***1/28 – Footprint:*** *System Status Level 1*

February 2025

- ***2/14 – Central & North:*** *Cold Weather Alert*
- ***2/18 – South:*** *Cold Weather Alert*
- ***2/19-2/21 – South:*** *Conservative Operations*

Data shown for winter (December-February) as of 2/25/25

One metric fell outside of the expected range for the season

Metric	Status	Comments
Short-Term Load Forecast	December Monitor	The Short-Term Load Forecast was in monitor due to non-conforming load.

CLICK HERE to see MISO's monthly Operations Reports

Data shown for winter (December-February) as of 2/25/25

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 143

NERC 2025–2026 Winter Reliability Assessment

NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

2025–2026 Winter Reliability Assessment

November 2025

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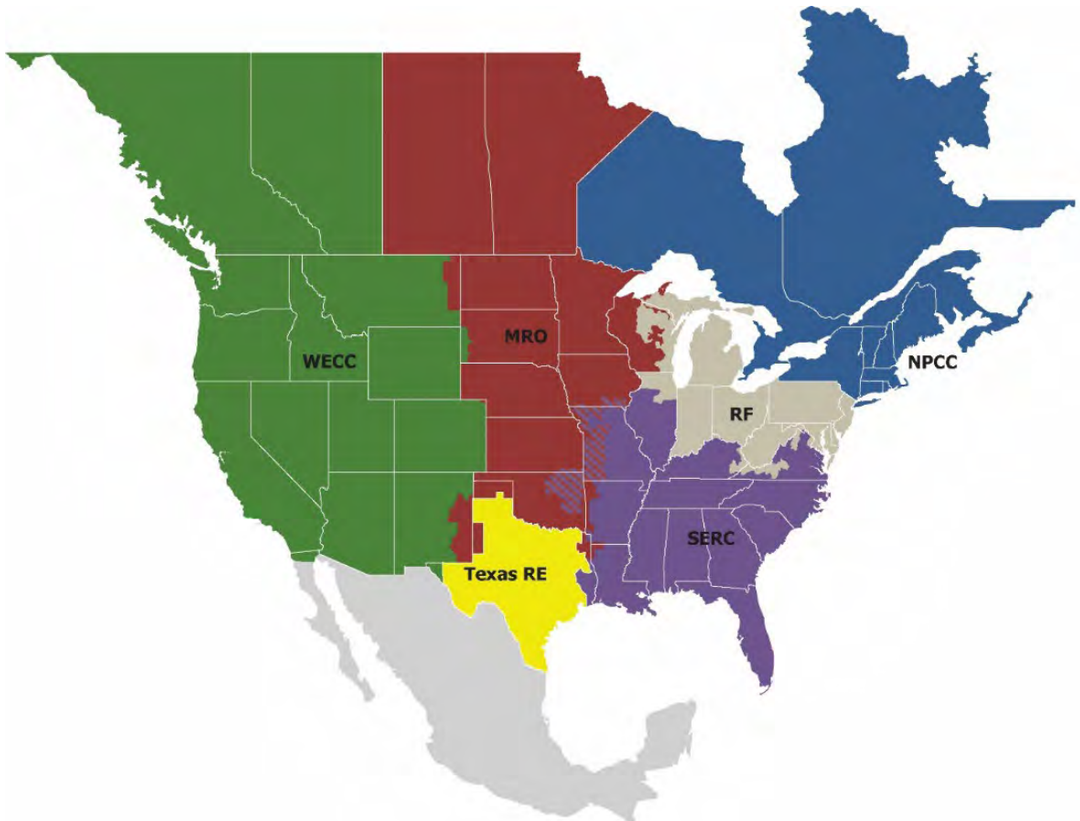
Preface

Electricity is a key component of the fabric of modern society, and the Electric Reliability Organization (ERO) Enterprise serves to strengthen that fabric. The vision for the ERO Enterprise, which is comprised of NERC and the six Regional Entities, is a highly reliable, resilient, and secure North American bulk power system (BPS). Our mission is to assure the effective and efficient reduction of risks to the reliability and security of the grid.

Reliability | Resilience | Security

Because nearly 400 million citizens in North America are counting on us

The North American BPS is made up of six Regional Entities as shown in the map and corresponding table below. The multicolored area denotes overlap as some load-serving entities participate in one Regional Entity while associated Transmission Owners/Operators participate in another.



MRO	Midwest Reliability Organization
NPCC	Northeast Power Coordinating Council
RF	ReliabilityFirst
SERC	SERC Reliability Corporation
Texas RE	Texas Reliability Entity
WECC	Western Electricity Coordinating Council

About this Assessment

NERC's *2025–2026 Winter Reliability Assessment* (WRA) identifies, assesses, and reports on areas of concern regarding the reliability of the North American BPS for the upcoming winter season. In addition, the WRA presents peak electricity demand and supply changes and highlights any unique regional challenges or expected conditions that might affect the reliability of the BPS.

The reliability assessment process is a coordinated evaluation between the Reliability Assessment Subcommittee, the Regional Entities, and NERC staff with demand and resource projections obtained from the assessment areas.

This report reflects an independent assessment by the ERO Enterprise (i.e., NERC and the six Regional Entities) and is intended to inform industry leaders, planners, operators, and regulatory bodies so that they are better prepared to ensure BPS reliability. This report also provides an opportunity for industry to discuss plans and preparations to ensure reliability for the upcoming winter period.

Key Findings

This WRA covers the upcoming three-month (December–February) winter period, providing an evaluation of the generation resource and transmission system adequacy necessary to meet projected winter peak demands and operating reserves. This assessment identifies potential reliability issues of interest and regional risks. The following findings are the ERO Enterprise's independent evaluation of electricity generation and transmission capacity as well as the potential operational concerns that may need to be addressed for the upcoming winter.

Two trends affecting resource adequacy across the BPS for the upcoming winter are rising electricity demand forecasts and a continued shift in the resource mix characterized by the retirement of thermal generators and growth in battery resources. After years of flat or low (~1%) peak demand growth, the aggregate peak demand for all NERC assessment areas has risen by 20 GW (2.5%) since the previous winter. Nearly all assessment areas are reporting year-on-year demand growth; some are forecasting increases near 10%. Total BPS resources have also increased since last winter, but by a smaller amount of 9.4 GW. This number includes the net change in generating capacity as well as additional demand response. These demand and resource changes are described in **Escalating Winter Demand** and **Resource Trends** sections.

The following findings are derived from NERC and the ERO Enterprise's independent evaluation of electricity generation and transmission capacity as well as potential operating concerns that should receive attention for Winter 2025–2026:

1. **All areas are assessed as having adequate resources for normal winter peak-load conditions (i.e., the area's 50-50 peak forecast). However, more extreme winter conditions extending over a wide area could result in electricity supply shortfalls.** Prolonged, wide-area cold snaps can drive sharp increases in electricity demand and threaten reliable BPS generation and the availability of fuel supplies for natural-gas-fired generation. Four severe arctic storms have descended to cover much of North America since 2021, causing regional demand for electricity and heating fuel to soar and exposing generation and fuel infrastructure in temperate areas to freezing conditions.[1] The following areas face risks of electricity supply shortfalls during periods of more extreme conditions this winter (see **Figure 1**):

    - **NPCC-Maritimes**: The peak demand forecast has fallen slightly (-1.6%) in the NPCC-Maritimes assessment area, contributing to higher reserves compared to the 2024–2025 winter. Maritimes is projected to have an Anticipated Reserve Margin (ARM) of 16.9%, which is 270 MW below the area's Reference Margin Level of 20% . New Brunswick has long-term energy contracts that can be used to mitigate resource adequacy challenges through the purchase of energy on a day-ahead basis. NPCC's all-hours probabilistic assessment for the NPCC Region included the simulation of both a base case (i.e., normal 50/50 demand) and highest peak load scenario (having an approximate 7% chance of occurring), for both an expected and a low-likelihood, reduced-resource condition. The preliminary results of this assessment indicate that operators in Maritimes are likely to require emergency operating mitigations and/or energy emergency alerts (EEA) during above-normal demand or low-resource output conditions.
    - **NPCC-New England**: A lower peak demand forecast and additional resources from demand response and firm imports offset recent generator retirements, resulting in little change to the NPCC-New England ARM for this winter. New England continues to closely monitor regional energy adequacy, particularly during extended cold snaps where constrained natural gas pipelines contribute to rapid depletion of stored fuel supplies. ISO-NE's deterministic winter scenario analysis shows limited exposure to energy shortfalls this winter. In New England, winter energy concerns are highest in scenarios when stored fuels are rapidly depleted; during these periods, timely replenishment is critical to minimizing the potential for energy shortfalls.
    - **SERC-East**: The winter peak demand forecast has increased by 700 MW (1.6%) since last winter, while winter firm capacity has declined, resulting in lower reserves. SERC-East has changed from a summer-peaking area to potentially peaking during both summer and winter. This is due to the continued addition of solar photovoltaic (PV) generation that shaves off summer peak demand and a trend toward electrification of heating that drives up winter peak demand. All-hours probabilistic analysis from SERC found some load-loss hours (<0.1 hrs) and small amounts of expected unserved energy, with the highest risk occurring during above-normal peak demand and early morning hours when solar output is absent.
    - **SERC-Central:** Additional demand response and flat load growth since last winter is offsetting declining resource capacity (down 1,120 MW), resulting in little change to the ARM at 30.5%. There are adequate resources for normal winter peak demand; however, higher levels of demand that can occur during extreme cold temperatures can result in insufficient reserves that operators would need to manage with non-firm imports and potential energy emergencies.
    - **Texas RE-ERCOT:** Strong load growth from new data centers and other large industrial end users is driving higher winter electricity demand forecasts and contributing to continued risk of supply shortfalls. For the upcoming winter season, Texas RE-ERCOT is expected to continue facing reserve shortage risks during the peak load hour and high-

[1] See detailed reports on the January 2024 and January 2025 Arctic Storms, Winter Storm Elliott, and Winter Storm Uri.

net-load hours, particularly under extreme load conditions that accompany freezing temperatures. Elevated forced outage of thermal resources and reduced output from intermittent resources during these conditions exacerbates the risk of supply shortfalls. In winter, peak demands typically occur before sunrise and after sunset coinciding with the unavailability of solar generation making the system dependent on wind generation and dispatchable resources. Data centers are altering the daily load shape due to their round-the-clock operating pattern, lengthening peak demand periods. Additional battery storage and demand-response resources since last winter help mitigate shortfall risks. However, with the continued flattening of the load curve, maintaining sufficient battery state of charge will become increasingly challenging for extended periods of high loads, such as a severe multi-day storm like Winter Storm Uri.

- **WECC-Basin**: There is sufficient capacity in the area for expected peak conditions; however, Balancing Authorities (BA) are likely to require external assistance during extreme winter weather that causes thermal plant outages, adverse wind turbine conditions, and natural gas fuel supply issues for area internal resources. External assistance may not be available during region-wide extreme winter conditions. With an expected winter peak demand of 11.1 GW, under an extreme combination of generator derates and outages, the region could be short 1.6 GW before imports. Forecasted net internal demand has increased 1% since last year, with little change in winter capacity. Note that the WECC-Basin assessment area includes Utah, southern Idaho, and a portion of western Wyoming. In prior WRA reports, this part of the BPS was included as part of the WECC-NW assessment area. The *2025–2026 WRA* includes a new assessment area map for the Western Interconnection. The new assessment area boundaries provide reliability risk information in more geographic detail for the United States and Mexico.
- **WECC-NW**: Like WECC-Basin, there is sufficient capacity in the area for expected peak conditions; however, BAs are likely to require external assistance during extreme winter weather that causes thermal plant outages and adverse wind turbine conditions for area internal resources. External assistance may not be available during region-wide extreme winter conditions. Winter peak demand for the area is forecast to be 2.9 GW higher (9.3%) compared to last year. Over 3 GW of new resources have been in development for the assessment area this year, primarily battery storage, solar PV, and wind resources. Delays that threaten timely completion of these resource additions will make the area more reliant on imports to meet peak demand.

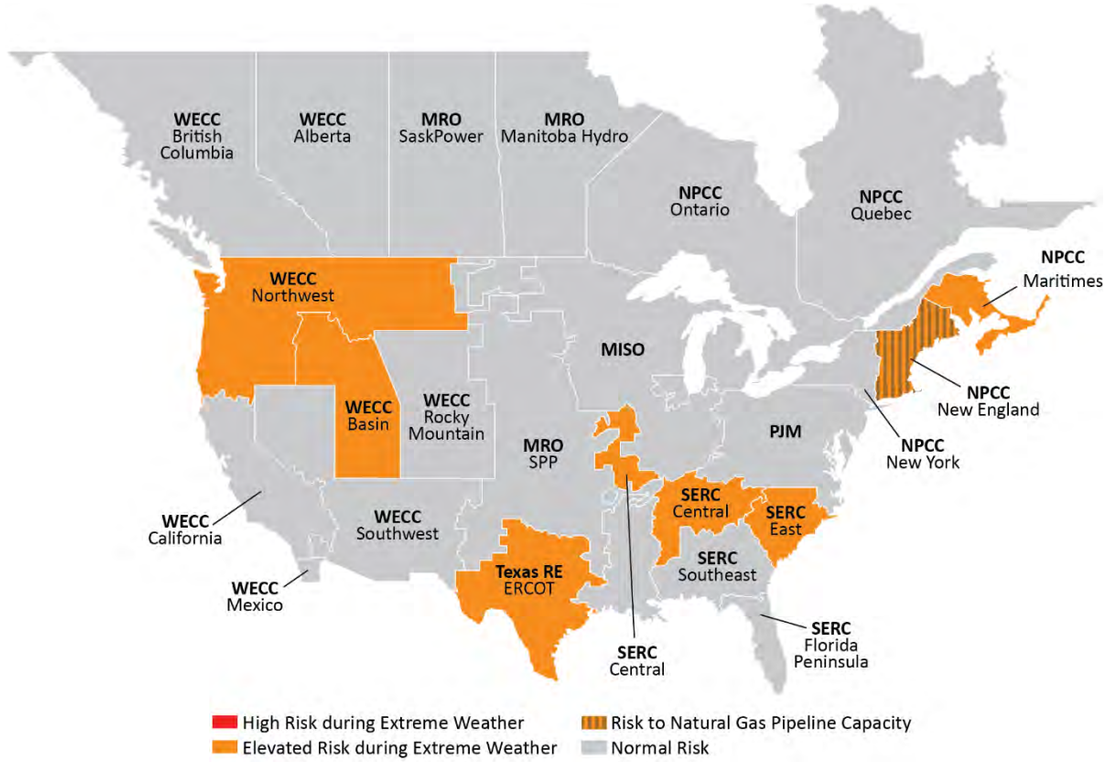


Figure 1: Winter Reliability Risk Area Summary

2. **The performance of natural gas production and supply infrastructure during peak winter conditions will again have a significant effect on BPS reliability.** Natural gas is an essential fuel for electricity generation in winter. Winter fuel supplies for thermal generators must be readily available during the periods of high electricity and natural gas demand that accompany extreme cold weather. Yet these periods are the most challenging for natural-gas-fired Generator Operators to obtain sufficient fuel and delivery. Natural gas production often falls off in extreme winter temperatures as supply infrastructure is affected by freezing issues, and Generator Operators that fail to secure firm fuel delivery are frequently unable to access fully subscribed pipelines. Evidence from the past two winters indicates notable improvement in the delivery of natural gas to BPS generators since winter storms Elliott and Uri with overall less natural gas production decline during cold weather and fewer natural gas infrastructure

force majeures.[2] Still, natural gas infrastructure freeze protection mitigations are voluntary for the natural gas industry in most of North America, resulting in uneven application of protections and continued supply risks during extreme conditions. Furthermore, timing misalignments between the natural gas and electric markets continue to challenge generator fuel procurement in advance of severe winter conditions that occur over winter holiday weekends. As winter approaches, NERC encourages all entities across the gas-electric value chain—from production to the burner tip—to take all necessary preparations for extreme cold and keep natural gas flowing and the lights on.

3. **Cold weather Reliability Standards first introduced in 2023 have been improved prior to the upcoming winter and address recommendations from winter storms Elliott and Uri.** In September 2025, the Federal Energy Regulatory Commission (FERC) approved EOP-012-3 with an effective date of October 1, 2025, concluding the development of Reliability Standards for generator cold weather preparedness.[3] The EOP-012 Reliability Standard contains requirements for generator freeze protection measures, cold weather preparedness plans, and operator training. Among the improvements in the new version are enhanced and expanded requirements to ensure that Generator Owners (GO) are implementing corrective actions to address known issues affecting their ability to operate in cold weather in a timely manner. NERC collects data on the winterization of generating units, which, in conjunction with NERC's monitoring of BPS performance and analysis of cold weather events, helps determine the effectiveness of Reliability Standards. NERC submitted to FERC its first annual *Cold Weather Data and Analysis* informational filing in October 2025.[4] Based on the data reported this year, 96% of the total net winter capacity reported extreme cold weather temperatures (ECWT) at or below 32 degrees Fahrenheit, triggering winter preparedness measures under the Cold Weather Preparedness Standard, and 99% of total net winter capacity in the continental US reporting the ability to operate at the calculated ECWT. As the first such report, this *Cold Weather Data and Analysis* filing provides a benchmark for future analysis.

Recommendations

To reduce the risks of energy shortfalls on the BPS this winter, NERC recommends the following:

- Reliability Coordinators (RC), BAs, and Transmission Operators (TOP) in the elevated risk areas identified in the key findings should review seasonal operating plans and the protocols for communicating and resolving potential supply shortfalls in anticipation of potentially high generator outages and extreme demand levels. Operators should review NERC's Resources on Cold Weather Preparations.
- GOs should complete winter readiness plans and checklists prior to December, deploy weatherization packages well in advance of approaching winter storms, and frequently check and maintain cold weather mitigations while conditions persist.
- BAs should be cognizant of the potential for short-term load forecasts to underestimate load in extreme cold weather events and be prepared to take early action to implement protocols and procedures for managing potential reserve deficiencies. Proactive issuance of winter advisories and other steps directed at generator availability contributed to improved reliability during cold weather events of the past two winters.
- RCs and BAs should implement generator fuel surveys to monitor the adequacy of fuel supplies. They should prepare their operating plans to manage potential supply shortfalls and take proactive steps for generator readiness, fuel availability, load curtailment, and sustained operations in extreme conditions.
- Generator Owners/Operators of natural-gas-fired units should maintain awareness of potential extreme cold weather developing over holiday weekends and the implications for fuel planning and procurement that may result given the natural gas purchase close dates that precede long holiday weekends.
- State and provincial regulators can assist grid owners and operators in advance of and during extreme cold weather by maintaining awareness of BA, natural gas pipeline, and gas local distribution company (LDC) operational public announcements and notices, amplifying public appeals for electricity and natural gas conservation, and supporting requested environmental and transportation waivers.

[2] See *January 2025 Arctic Events | A System Performance Review*, April 2025
[3] See NERC's Statement on FERC September Open Meeting for summary and link to FERC's order.
[4] See 2025 Cold Weather Data Collection and Analysis Informational Filing

Risk Highlights

Escalating Winter Demand

Winter electricity demand is rising at the fastest rate in recent years, particularly in areas where data center development is occurring. After several years of low (~1%) growth, total internal demand for the BPS is forecast to increase by 20.2 GW (2.5%) over last winter's forecast. The changes in forecasted net internal demand for each assessment area are shown in **Figure 2** below.[5] Assessment areas develop these forecasts based on historical load and weather information as well as future projections. Most assessment areas are projecting an increase in peak demand. SaskPower, PJM, the U.S. Southeast, and parts of the U.S. West have the largest increase in peak demand forecasts.

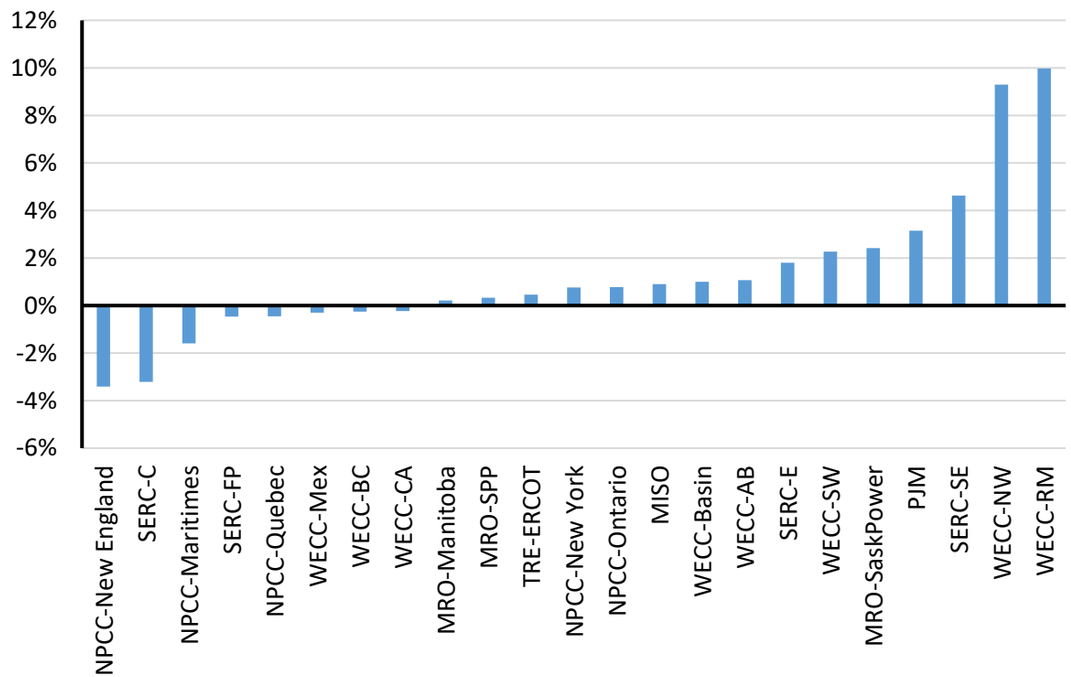


Figure 2: Change in Net Internal Demand—Winter 2025–2026 Forecast Compared to Winter 2024–2025 Forecast

[5] See **Data Concepts and Assumptions** section for demand definitions.

Resource Trends

BPS resources are growing, but at a slower rate than demand is rising. Battery and solar facilities were the leading resource types added to the BPS since last winter. Solar resources, however, often do not supply output during hours of peak winter demand. Growth in demand response is also contributing to BPS resources for the upcoming winter. **Table 1** shows the total change in BPS resources since last winter. For battery, solar, and wind resources, the table includes change in both nameplate (installed) capacity as well as the change in on-peak demand capacity, which is the capacity that resources are expected to provide in their area during the time of peak demand. For assessment-area specific information see **Variable Energy Resource Contributions** section.

Table 1: BPS Resource Change from Winter 2024–2025 to Winter 2025–2026

Resource	Net Change Nameplate Capacity (MW)	Net Change Peak Demand Capacity (MW)
Total Generator Capacity		1,335
Battery	19,659	11,121
Solar	11,097	1,176
Wind	-562	-14,238
Thermal and Hydro		3,276
Demand Response		8,112
Total Resources		9,447

Total BPS resources for serving winter peak demand, including generating capacity and demand response, have increased since last winter by 9,447 MW. Sizeable additions in battery resources and some new natural gas-fired generators contribute to the increase in resource capacity. However, the increase is offset by lower on-peak capacity values for wind resources, which are the result of revised valuations of wind resource capability at peak demand hours in some areas.[6] As a result, BPS generator capacity for winter peak demand makes up only a small portion of the total BPS increase. Generation accounts for 1,335 MW of the total 9,445 MW increase, while the larger share comes from demand response programs. Area specific information on demand response is provided in the **Demand and Resource Tables**.

The recent trend in resource additions is contributing to higher risk of electricity supply shortfalls in winter. BA operators are likely to face higher winter demand without a comparable increase in supply resources. Furthermore, the types of resources that are growing the most-- battery resources and

[6] Since last winter, ERCOT and MISO have implemented new methods for determining capacity contributions that result in lower wind and solar resources contributions at peak demand. See ERCOT's Resource Adequacy page and MISO's *Planning Year 2025-2026 Wind and Solar Capacity Credit Report*.

demand response—have unique characteristics that operators will need to account for and could limit the use of these resources in extreme winter conditions. Battery energy is reliable when it can be dispatched and has sufficient charge for the period it is needed, yet little time to recharge can be expected during extreme winter weather. System operators will need good visibility on battery state of charge and should anticipate that some extreme winter events will cause these resources to become depleted when needed. Demand response is limited by contract terms, which typically specify how often and for how long the resource may be used. Other resource types are also challenged in winter (see **Thermal Generator Fuel Adequacy and Security**). As BAs grapple with higher demand in most parts of the BPS, they will do so with resources that are becoming increasingly complex to dispatch especially in winter.

Thermal Generator Fuel Adequacy and Security

The performance of the thermal generator fleet remains critical to winter BPS operations. Winter fuel supplies for thermal generators must be readily available during periods of high demand and extreme cold weather. Generally, fuel adequacy for the thermal generating fleet is bolstered through strategic infrastructure investments and fuel stockpiling that increases the certainty of having fuel on hand that can be converted to electricity when needed. Because of this, winter performance of thermal generators is inextricably linked to extraction, processing, storage, and delivery infrastructure for a variety of fuels. Fuel supply risks have been noted in recent years' WRAs related to coal and natural gas availability and illustrate the interconnected nature of these critical energy infrastructure systems.

BPS stakeholders across North America note multiple fuel-related issues that are being monitored entering the winter season. For example, while coal represents a waning share of the overall resource mix, it continues to play an important role in meeting demand during extreme winter weather events, and oil inventories at dual-fuel gas-oil generators lessen risks related to natural gas deliverability in infrastructure-constrained regions, especially during the winter. Notably, it is infeasible or prohibitively costly to stockpile natural gas locally at power plants, and this exposes the BPS to the risk profile of the constituent systems that comprise the supply and delivery of this just-in-time fuel.

Natural Gas Generator Fuel Supplies

Natural gas generators remain a crucial part of on-peak resources meant to meet winter electricity demand across much of North America. While many Generator Owners and Operators secure backup fuel supplies at critical gas-fired generators, particularly in the northeastern United States and Florida, large contributions to the on-peak winter resource mix by single-fuel natural-gas-fired generators remain across North America (see **Figure 3**).

Natural gas generator performance can be threatened when natural gas supplies are insufficient or when natural gas infrastructure is unable to maintain the flow of fuel to critical generators. Grid operators continue to acknowledge and enhance their winter planning processes to firm up their fuel supplies and guard against natural gas disruptions, but winter storms Uri and Elliott demonstrated that combinations of natural gas flow restrictions and supply insufficiency can occur regardless of whether cold temperatures are common or uncommon in the region and can affect more than one BA area concurrently.

Many BPS areas that regularly experience cold weather events, like New England, have adopted mitigating technologies to lessen the impact of natural gas shortages through generator dual-fuel capability and stored backup fuel. In those areas, prolonged cold weather events present a risk of rapid depletion of stored backup fuel. Robust regional and distributed storage investments and winter planning for timely fuel replenishment are critical to minimizing potential energy shortfalls in the operational time frame in these areas.

Natural gas and electricity infrastructures have the added complexity of interdependence. Electricity is used to power some facilities, such as compressor stations and processing plants that make up natural gas infrastructure. These interdependencies mean that reliability events that originate on one system have the potential to affect the other and worsen the overall event magnitude or duration.

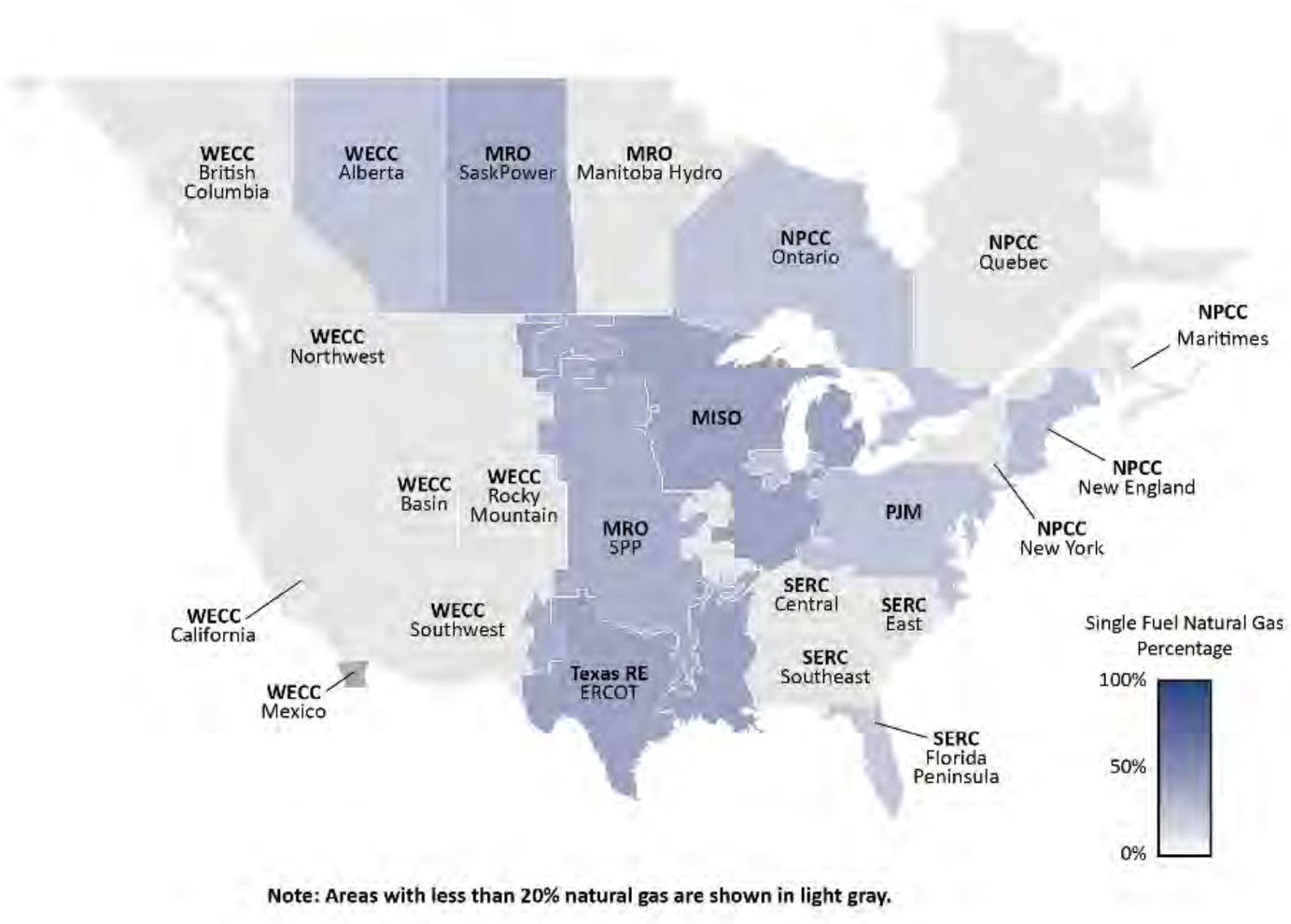
Natural gas infrastructure freeze protection mitigations are voluntary for the natural gas industry in most of North America. Texas is an exception, where the Railroad Commission of Texas adopted rules to require critical natural gas facilities to implement weather-related emergency preparation measures.[7] Lack of consistent standards for natural gas infrastructure protections will result in uneven application of freeze protections and continued supply risks during extreme conditions in many areas.

These considerations have driven higher levels of coordination to ensure sustained reliable operation of the natural gas and electricity systems. While a FERC and ERO staff review of system performance during the January 2025 arctic events[8] details improvements in electric and natural gas coordination since winter storms Uri and Elliott, the review also identifies continuing gaps between the electricity and natural gas industries that remain entering the 2025–2026 Winter season. These include natural gas scheduling challenges during winter holiday weekends, market time frame and process incompatibility, and electric power entities' lack of visibility into operational impact data from natural gas producers and suppliers.

[7] See Railroad Commission of Texas weatherization rule.

[8] FERC, NERC Issue Report on System Performance During the January 2025 Arctic Weather | Federal Energy Regulatory Commission

The U.S. Energy Information Administration (EIA)[9] anticipates a slightly milder winter than last year across much of the United States, especially in the Northeast, leading to a projection that households will consume approximately 2% less natural gas than last winter. Working natural gas storage inventories are about 5% above the previous five-year average in the United States heading into the winter season. The EIA attributes this relative surplus in part to robust production this summer and lower-than-expected natural gas consumption by power generators.



Single-Fuel Natural-Gas-Fired Generation

	Winter Capacity (GW)	Contribution to Total Winter Resource Mix
MISO	63.9	38%
TRE-ERCOT	53.0	38%
WECC-MX	2.2	34%
MRO-SaskPower	2.5	34%
SPP	33.4	32%
NPCC-New England	12.1	24%
PJM	60.9	23%
WECC-AB	13.9	23%
NPCC-Ontario	8.0	23%
SERC-FP	45.6	21%
WECC-CA	35.9	18%
WECC-SW	21.5	17%
WECC-Basin	4.9	16%
WECC-RM	6.2	14%
SERC-C	17.0	13%
SERC-SE	21.5	13%
WECC-NW	8.7	12%
SERC-E	11.3	9%
NPCC-New York	5.0	8%
NPCC-Maritimes	0.5	7%
MRO-Manitoba	0.3	4%
WECC-BC	0.1	1%
NPCC-Quebec	0.0	0%

Figure 3: Single-Fuel Natural-Gas-Fired Generation Capacity Contribution to the 2025–2026 Winter Generation Mix

[9] See the U.S. Energy Information Administration's Winter Fuels Outlook 2025–26

Risk Assessment Discussion

NERC assesses the risk of electricity supply shortfall in each assessment area for the upcoming season by considering Planning Reserve Margins, seasonal risk scenarios, probability-based risk assessments, and other available risk information. NERC provides an independent assessment of the potential for each assessment area to have sufficient operating reserves under normal conditions as well as above-normal demand and low-resource output conditions selected for the assessment. A summary of the assessment approach is provided in Table 2.

Table 2: Seasonal Risk Assessment Summary

Category	Criteria[1]
High Potential for insufficient operating reserves in normal peak conditions	• Planning Reserve Margins do not meet Reference Margin Levels (RML); or • Probabilistic indices exceed benchmarks, e.g., loss of load hours (LOLH) of 2.4 hours over the season; or • Analysis of the risk hour(s) indicates resources will not be sufficient to meet operating reserves under **normal peak-day demand and outage scenarios**[2]
Elevated Potential for insufficient operating reserves in above-normal conditions	• Probabilistic indices are low but not negligible (e.g., LOLH above 0.1 hours over the season); or • Analysis of the risk hour(s) indicates resources will not be sufficient to meet operating reserves under **extreme peak-day demand with normal resource scenarios** (i.e., typical or expected outage and derate scenarios for conditions);[2] or • Analysis of the risk hour(s) indicates resources will not be sufficient to meet operating reserves under **normal peak-day demand with reduced resources** (i.e., extreme outage and derate scenarios)[3]
Normal Sufficient operating reserves expected	• Probabilistic indices are negligible • Analysis of the risk hour(s) indicates resources will be sufficient to meet operating reserves under normal and extreme peak-day demand and outage scenarios[4]

Table Notes:
[1]The table provides general criteria. Other factors may influence a higher or lower risk assessment.
[2]**Normal resource scenarios** include planned and typical forced outages as well as outages and derates that are closely correlated to the extreme peak demand.
[3]**Reduced resource scenarios** include planned and typical forced outages and low-likelihood resource scenarios, such as extreme low-wind scenarios, low-hydro scenarios during drought years, or high thermal outages when such a scenario is warranted.
[4]Even in normal risk assessment areas, extreme demand and extreme outage scenarios that are not closely linked may indicate risk of operating reserve shortfall.

Assessment of Planning Reserve Margins and Operational Risk Analysis

Anticipated Reserve Margins (ARM), which provide the Planning Reserve Margins for normal peak conditions, as well as reserve margins with typical forced outage levels and for the most extreme seasonal risk scenarios are provided in Table 3.

Table 3: Seasonal Risk Scenario On-Peak Reserve Margins

Assessment Area	Anticipated Reserve Margin	Reserve Margin with Typical Outages	Reserve Margin with Higher Demand, Outages, Derates in Extreme Conditions
MISO	49.5%	22.3%	3.7%
MRO-Manitoba	13.7%	11.4%	6.1%
MRO-SaskPower	35.1%	29.0%	16.1%
MRO-SPP	56.5%	29.4%	16.9%
NPCC-Maritimes	16.9%	12.5%	-4.7%
NPCC-New England	58.9%	45.4%	8.7%
NPCC-New York	78.2%	52.4%	16.2%
NPCC-Ontario	28.6%	21.8%	13.2%
NPCC-Québec	15.2%	15.1%	5.0%
PJM	35.6%	24.8%	15.6%
SERC-C	30.5%	22.4%	-0.9%
SERC-E	21.9%	17.5%	3.0%
SERC-FP	41.7%	28.3%	25.6%
SERC-SE	39.7%	24.7%	17.7%
TRE-ERCOT	36.0%	25.2%	-20.0%
WECC-AB	35.2%	32.4%	10.0%
WECC-Basin	29.6%	19.7%	-21.1%
WECC-BC	25.9%	25.8%	15.4%
WECC-CA	82.3%	73.7%	57.9%
WECC-Mex	83.1%	79.4%	52.9%
WECC-NW	30.9%	29.5%	-8.5%
WECC-RM	61.7%	53.2%	10.0%
WECC-SW	104.4%	90.1%	50.1%

Seasonal risk scenarios for each assessment area are presented in the **Regional Assessments Dashboards** section. The on-peak reserve margin and seasonal risk scenario charts in each dashboard provide potential winter peak demand and resource condition information. The reserve margins on the right side of the dashboard pages provide a comparison to the previous year's assessment. The seasonal risk scenario charts present deterministic scenarios for further analysis of different demand and resource levels with adjustments for normal and extreme conditions. The assessment areas determined the adjustments to capacity and peak demand based on methods or assumptions that are summarized in the seasonal risk scenario charts; more information about these dashboard charts is provided in the **Data Concepts and Assumptions** section.

The seasonal risk scenario charts can be expressed in terms of reserve margins: In **Table 3**, each assessment area's ARMs are shown alongside the reserve margins for a typical generation outage scenario (where applicable) and the extreme demand and resource conditions in their seasonal risk scenario.

Areas highlighted in orange in **Figure 1** above have been identified as having resource adequacy or energy risks for the winter and are included in the **Key Findings** section's discussion that follows. The typical outage reserve margin includes anticipated resources minus the capacity that is likely to be in maintenance or forced outage at peak demand. If the typical maintenance or forced-outage margin is the same as the ARM, it is because an assessment area has already factored typical outages into the anticipated resources. The extreme conditions margin includes all components of the scenario and represents the most severe operating conditions of an area's scenario. Note that any reserve margin below zero indicates that the resources fall below demand in the scenario.

In addition to the peak demand and seasonal risk hour scenario charts, the assessment areas provided a resource adequacy risk assessment that was probability-based for the winter season. Results are summarized in **Table 5**. The risk assessments account for the hour(s) of greatest risk of resource shortfall. For most areas, the hour(s) of risk coincides with the time of forecasted peak demand; however, some areas incur the greatest risk at other times based on the varying demand and resource profiles. Various risk metrics are provided and include loss of load expectation (LOLE), loss of load hours (LOLH), expected unserved energy (EUE), and the probabilities of energy emergency alert (EEA) declarations (see **Table 4** for a description of EEA levels).

Table 4: Energy Emergency Alert Levels

EEA Level	Description	Circumstances
EEA 1	All available generation resources in use	• The BA is experiencing conditions in which all available generation resources are committed to meet firm load, firm transactions, and reserve commitments and is concerned about sustaining its required operating reserves. • Non-firm wholesale energy sales (other than those that are recallable to meet reserve requirements) have been curtailed.
EEA 2	Load management procedures in effect	• The BA is no longer able to provide its expected energy requirements and is an energy-deficient BA. • An energy-deficient BA has implemented its operating plan(s) to mitigate emergencies. • An energy-deficient BA is still able to maintain minimum operating reserve requirements.
EEA 3	Firm load interruption is imminent or in progress	• The energy-deficient BA is unable to meet minimum operating reserve requirements.

Energy Emergency Alerts

The combination of above-normal generation outages, low resource output, and peak loads as occurred during the extreme cold weather events of Winter Storm Uri in 2021 and Winter Storm Elliott in 2022 are ongoing winter reliability risks. When supply resources in an area fall below expected demand and operating reserve requirements, BAs may need to employ EEAs to maintain balance between available capacity and energy and real-time demand. A description of each EEA level is provided above.

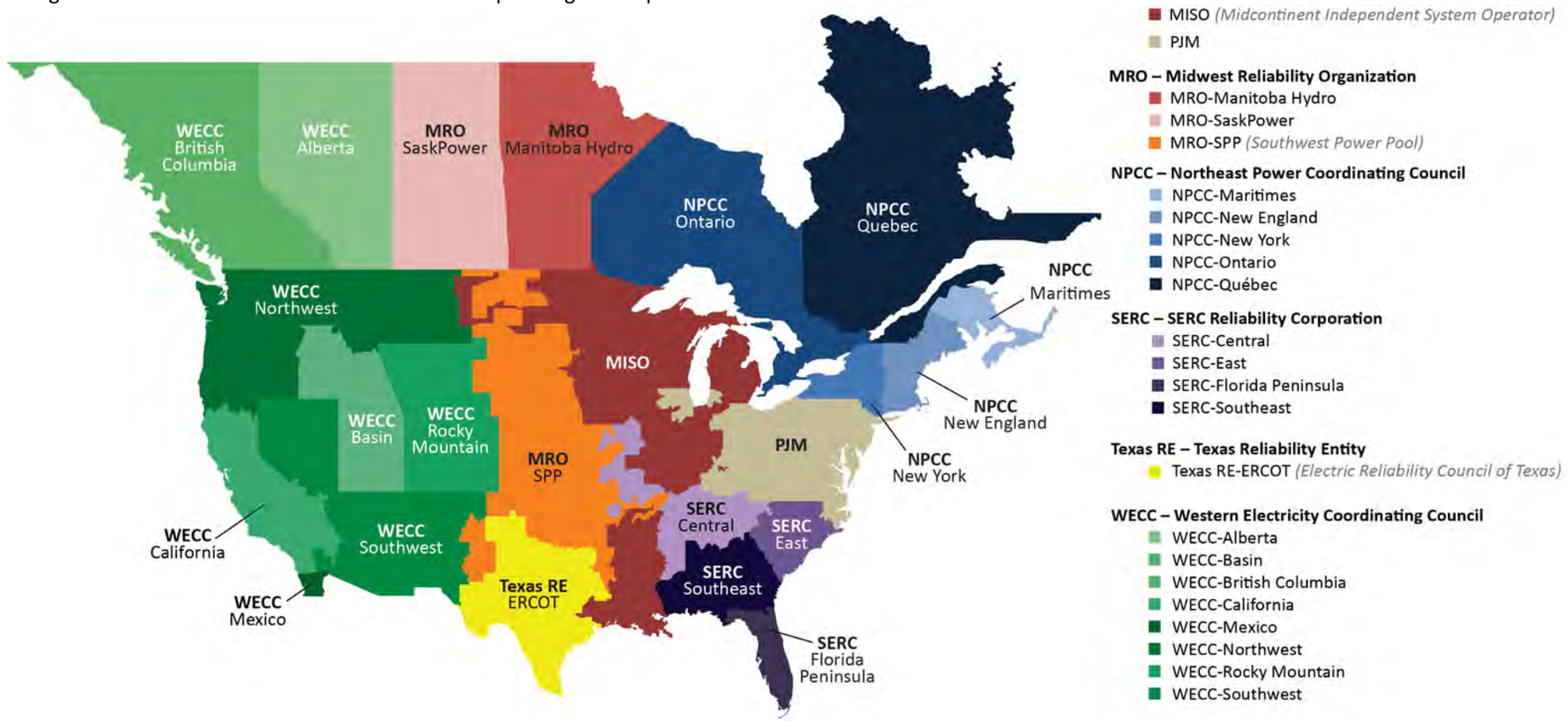
Table 5: Probability-Based Risk Assessment		
Area	**Type of Assessment**	**Results and Insight from Assessment**
MISO	Deterministic	MISO does not provide a probabilistic assessment for the WRA. MISO applies a deterministic look at expected system conditions, looking at generation availability under typical and extreme outages and looking at a typical 50/50 load forecast and an extreme 90/10 load forecast. For the upcoming winter season, under an extreme outage and extreme 90/10 load forecast, this is the riskiest scenario for the MISO footprint. This scenario produces the shortest actual reserve margin for January.
MRO-Manitoba	Probabilistic study for the NERC Probabilistic Assessment (ProbA)	Probabilistic analysis for the 2024 ProbA summarized in NERC's 2024 *Long-Term Reliability Assessment* (LTRA) found no load-loss or unserved energy hours for 2026.
MRO-SaskPower	Probability-based capacity adequacy assessment	SaskPower's probabilistic assessment for the 2025–2026 Winter indicates that risk of shortfalls is lower than the previous winter. LOLH for an elevated risk scenario for the 2025–2026 Winter season is 0.08 hours. The month with the highest LOLH is December (0.05 hours).
MRO-SPP	NERC 2024 ProbA	Probabilistic analysis for the 2024 ProbA summarized in NERC's 2024 LTRA found no load-loss or unserved energy hours for 2026.
NPCC	NPCC conducted an all-hour probabilistic reliability assessment that included detailed neighbor modeling and consisted of a base case and severe case examining low resources, reduced imports, and higher loads. The assessment evaluates the probabilistic indices of LOLE, LOLH, and EUE. The highest peak load scenario has an approximately 7% probability of occurring.	
NPCC-Maritimes	The Maritimes Area low-likelihood resource case assumed: wind derated by 50% for every hour in December through February and a 50% natural gas capacity curtailment for December through February (dual-fuel units assumed reverting to oil) and reduced transfer capabilities.	The preliminary assessment indicates that established operating procedures are not sufficient to maintain a balance between electricity supply and demand. Under highest peak load levels, the Maritimes Area shows a notable likelihood of utilizing its operating procedures such as reducing 30-minute reserves, initiating interruptible loads, and reducing 10-minute reserves to maintain system reliability during the upcoming winter period.
NPCC-New England	The New England Area low-likelihood resource case assumed: 500 MW of additional maintenance outages, ~4,513 MW of gas-fired generation unavailable due to fuel supply constraints, and 50% reduced import capabilities of external ties.	The preliminary results of this assessment indicate that operating procedures were not needed to maintain a balance between electricity supply and demand
NPCC-New York	The New York Area low-likelihood resource case assumed: ~500 MW of extended maintenance in southeastern New York, 600 MW of cable transmission reduction across HVdc facilities, and ~5,000 MW of generation unavailable due to fuel delivery issues.	The preliminary results of this assessment indicate that operating procedures were not needed to maintain a balance between electricity supply and demand. No cumulative LOLE, LOLH or EUE risks were indicated over the December–February winter period, for all the scenarios modeled.
NPCC-Ontario	An energy assessment for the Ontario Assessment Area was conducted for two scenarios: firm resources and firm demand with expected weather, and planned resources with planned demand with expected weather.	No cumulative LOLH or EUE risks were identified over the entire November-to-April winter season for both scenarios modeled.

Table 5: Probability-Based Risk Assessment		
Area	**Type of Assessment**	**Results and Insight from Assessment**
NPCC-Québec	The Québec Area low-likelihood resource case assumed 1,000 MW of generation reductions.	The preliminary results of this assessment indicate that established operating procedures are sufficient to maintain a balance between electricity supply and demand if needed. No cumulative LOLE, LOLH or EUE risks were indicated over the December–February winter period for all the scenarios modeled
PJM	Probabilistic study for the NERC Probabilistic Assessment (ProbA)	Probabilistic study for 2025–2026 Winter is not provided for the WRA. PJM performed probabilistic analysis for 2026-2027 winter as part of the 2024 ProbA summarized in NERC's 2024 LTRA. The results of this study indicate risk of load loss (<0.1 hours) and unserved energy during winter months. For the upcoming winter, load-loss hours are expected to be less than this value because forecasted load is lower and anticipated resource capacity is higher than the case studied for the 2024 ProbA.
SERC	Based on the 2024 NERC Probabilistic Assessment (ProbA) base-case result. SERC's assessment used 38 years of historical load shapes to assess the resource adequacy of years 2026 and 2028, primarily based on data from the 2024 Long Term Reliability Assessment (LTRA).	
SERC-Central		Probabilistic analysis for the 2024 ProbA summarized in NERC's 2024 LTRA found no load-loss or unserved energy hours for 2026.
SERC-East		Probabilistic analysis for the 2024 ProbA summarized in NERC's 2024 LTRA found a small number of load-loss hours (<0.1) and EUE (61 MWh / 1 ppm) for 2026.
SERC-Florida Peninsula		Probabilistic analysis for the 2024 ProbA summarized in NERC's 2024 LTRA found negligible load-loss hours and EUE.
SERC-Southeast		Probabilistic analysis for the 2024 ProbA summarized in NERC's 2024 LTRA found no load-loss or unserved energy hours for 2026.
Texas RE-ERCOT	ERCOT Probabilistic Reserve Risk Model	ERCOT's probabilistic risk assessment indicates a 2% probability of having to declare EEAs during the January forecasted winter peak day (which coincides with the highest reserve shortage risk) and a controlled load shed probability of 1.8%. ERCOT defines low-risk hours as when the probability of an EEA is less than 10%.
WECC	The resource adequacy work performed at WECC used the Multi-Area Variable Resource Integration Convolution (MAVRIC) model for the 2025 LTRA. The MAVRIC model is a convolution-based probabilistic model and is WECC's chosen method for developing probability metrics used for assessing demand and variable resource availability in every hour. In the resource adequacy environment, the reports produced support NERC's seasonal assessments, LTRA, and ProbA.	
WECC-AB		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.
WECC-Basin		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.
WECC-BC		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.

Table 5: Probability-Based Risk Assessment		
Area	**Type of Assessment**	**Results and Insight from Assessment**
WECC-CA		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.
WECC-Mexico		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.
WECC-Rocky Mountain		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.
WECC-NW		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026. Results for a case where new resource additions are not completed for the upcoming winter found some EUE and LOLH.
WECC-SW		The results of the probabilistic assessment reveal no EUE or LOLH for Winter 2025–2026.

Regional Assessments Dashboards

The following assessment area dashboards and summaries were developed based on data and narrative information collected by NERC from the six Regional Entities on an assessment area basis. Guidelines and definitions are in the **Data Concepts and Assumptions** table. On-Peak Reserve Margin bar charts show the ARM compared to a reference margin level (RML) that is established for each area to meet resource adequacy criteria. Prospective Reserve Margins can give an indication of additional on-peak capacity but are not used for assessing adequacy. The operational risk analysis shown in the following regional assessments dashboard pages provides a deterministic scenario for understanding how various factors that affect resources and demand can combine to impact overall resource adequacy. For each assessment area, there is a risk-period scenario graphic; the left blue column shows anticipated resources (from the **Demand and Resource Tables**), and the two orange columns at the right show the two demand scenarios of the normal peak net internal demand (from the **Demand and Resource Tables**) and the extreme winter peak demand determined by the assessment area. The middle red or green bars show adjustments that are applied cumulatively to the anticipated resources. Adjustments may include reductions for typical generation outages (maintenance and forced not already accounted for in anticipated resources) and additions that represent the quantified capacity from operational tools (if any) that are available during scarcity conditions but have not been accounted for in the WRA reserve margins. Resources throughout the scenario are compared against expected operating reserve requirements that are based on peak load and normal weather. The cumulative effects from extreme events are also factored in through additional resource derates or low-output scenarios. In addition, results from a probability-based resource adequacy assessment are shown in the Highlights section of each dashboard. Methods vary by assessment area and provide further insights into the risk conditions forecasted for this upcoming winter period.

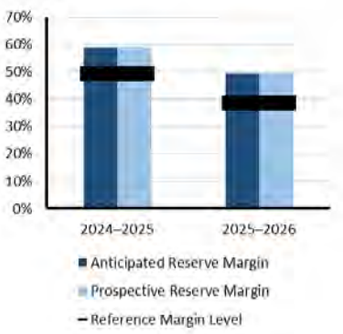


MISO

The Midcontinent Independent System Operator, Inc. (MISO) is an independent, not-for-profit organization responsible for operating the bulk electric power system and administering wholesale electricity markets across 15 U.S. states and the Canadian province of Manitoba. MISO ensures the reliable delivery of electricity to approximately 45 million people by managing regional transmission operations as well as energy and ancillary services markets and advising on long-term resource planning. The MISO footprint includes 39 Local BAs and more than 550 market participants. MISO operates one of the world's largest organized electricity markets, with its members operating a system that consists of over 77,000 miles of transmission lines and approximately 1,888 generating units. The peak electricity demand on the MISO system currently occurs during the summer season. MISO's footprint lies across three regional entities (MRO, RF, and SERC), but MRO is responsible for coordinating data and information submitted for NERC's reliability assessments.

- MISO expects limited risk in the 2025–26 Winter season as MISO was able to procure 6.1% more resources through the annual planning reserve auction than required by its minimum resource adequacy target. A further 3.3 GW of resources were available but not chosen to be committed for the winter season.
- Some risk has been identified for this upcoming winter season. In a high generation outage and high winter load scenario reliability is expected to be maintained by reliance upon operational mitigations that include non-firm energy transfers into the system, energy-only resources not subject to a must-offer requirement that may still offer into the energy markets, load-modifying resources, and internal transfers that exceed the Sub-Regional Import/Export Constraint (SRIC/SREC) between the MISO North/Central and South areas.
- MISO continues to coordinate with neighboring RCs and BAs to improve situational awareness and vet any needs for energy transfers to address extreme system conditions.
- MISO continues to survey and coordinate with its members on winter preparedness and fuel sufficiency.
- MISO has implemented a seasonal resource adequacy construct and seasonal unit accreditation to better affirm adequate supply in all seasons.

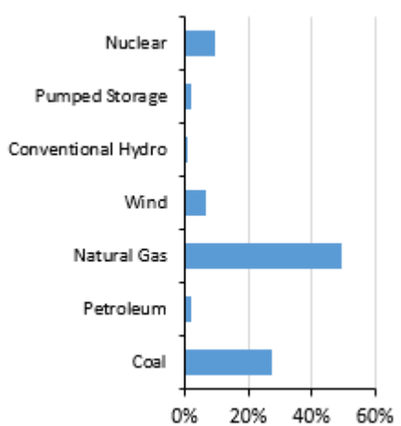
On-Peak Reserve Margin[10]



Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed demand scenarios. Above-normal winter peak load combined with generator outages from freezing or fuel supply issues and low wind output result in the need to employ operating mitigations (i.e., demand response and transfers).

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario

Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: 50/50 net internal demand and additional demand during extreme weather conditions (e.g., Winter Storm Enzo) using member submitted data and historical load data

Typical Maintenance Outages: Rolling three-year winter average of peak-day maintenance and planned outages

Typical Forced Outages: Three-year average of all peak-day outages that were not planned

Resource Derates for Extreme Conditions: Represents derates aligning with the most extreme hour of each of the past 3 years,

Operational Mitigations: Non-firm energy transfers into the system, energy-only resources that do not have a must-offer requirement, or internal transfers that exceed the SRIC/SREC between the MISO North/Central and South regions

[10] The MISO Risk Scenario Assessment for the 2025-26 Winter Season is not directly comparable to that for the 2024-25 Winter Season as methodology improvements have been implemented.

MRO-Manitoba Hydro

Manitoba Hydro is a provincial Crown corporation and one of the largest integrated electricity and natural gas distribution utilities in Canada. Manitoba Hydro is a leader in providing renewable energy and clean-burning natural gas. Manitoba Hydro provides electricity to approximately 608,500 electric customers in Manitoba and natural gas to approximately 293,000 customers in southern Manitoba. Its service area is the province of Manitoba, which is 251,000 square miles. Manitoba Hydro is winter-peaking. Manitoba Hydro is its own Planning Coordinator (PC) and Balancing Authority (BA). Manitoba Hydro is a coordinating member of MISO, which is the RC for Manitoba Hydro.

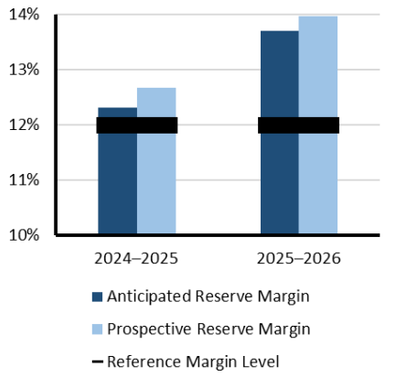
Highlights

- Manitoba Hydro is not anticipating any operational challenges and/or emerging reliability issues in its assessment area for Winter 2025–2026.
- Manitoba Hydro expects to reliably supply its internal demand and export obligations even under continued drought conditions.
- Manitoba Hydro is experiencing well below-average water supply conditions; however, the Manitoba Hydro system is designed and operated such that reliable operations can be maintained under extreme drought.
- The ARM for Winter 2025–26 exceeds the 12% RML.

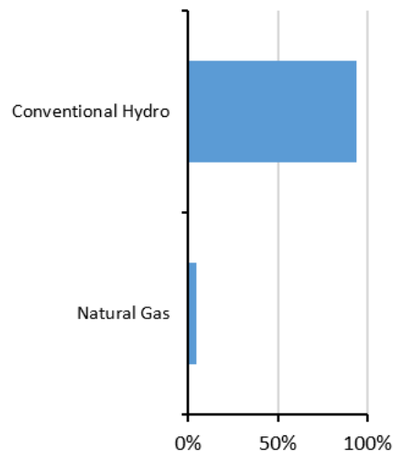
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

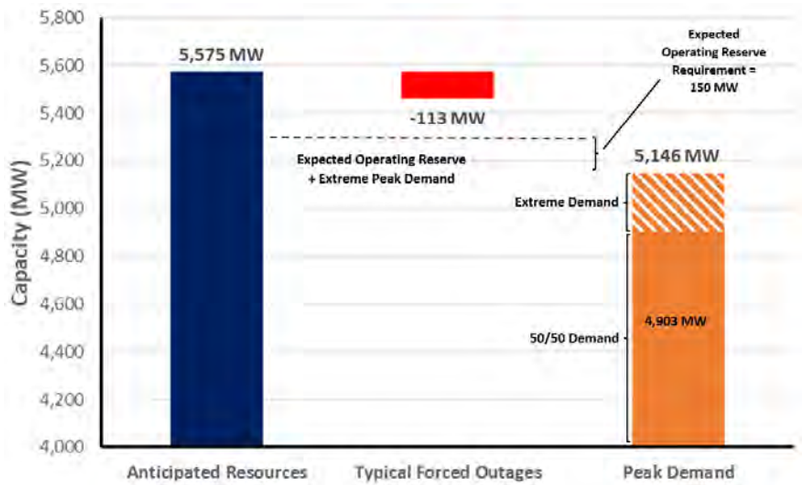
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast using 30 years of weather data

Typical Forced Outages: Accounts for average forced outages

MRO-SaskPower

MRO-SaskPower is an assessment area that covers the Canadian province of Saskatchewan. The province has a geographic area of 651,900 square kilometers (251,700 square miles) and a population of just over 1.1 million people. The Saskatchewan Power Corporation (SaskPower) is the PC and RC for the province of Saskatchewan and is the principal supplier of electricity in the province. SaskPower is a provincial Crown corporation and, under provincial legislation, is responsible for the reliability oversight of the Saskatchewan Bulk Electric System (BES) and its interconnections. Overall, SaskPower operates nearly 14,816 circuit-km of transmission lines, 65 high-voltage switching stations, and 191 distribution substations. Peak electricity demand on the SaskPower system currently occurs during the winter season.

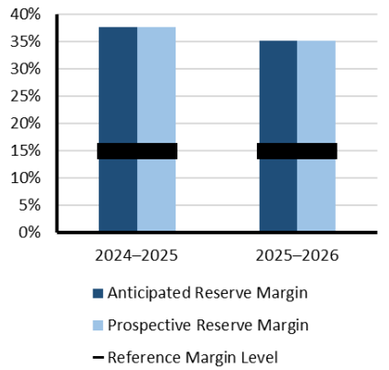
Highlights

- Saskatchewan experiences its peak load during the winter months due to extreme cold weather.
- Based on the planned maintenance, typical forced outages from historical data, and expected renewable generation under the normal and extreme demand conditions, SaskPower does not anticipate any reliability issues during the 2025–2026 Winter.
- During extreme winter conditions, SaskPower would utilize available demand-response programs, short-term power transfers from neighboring utilities, maintenance rescheduling, and/or short-term load interruptions to manage the situation.

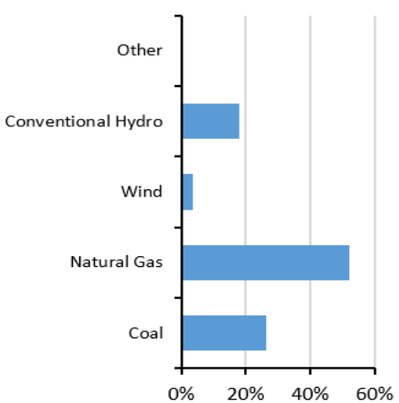
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

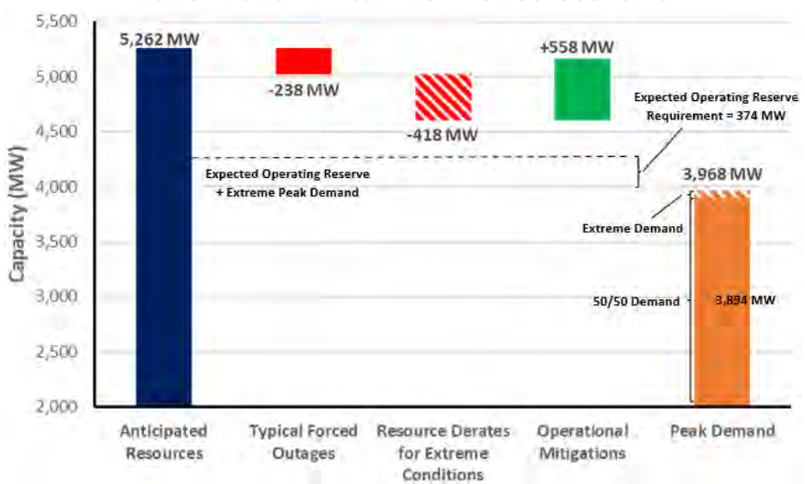
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Based on the historical load variability, SaskPower calculates a probability density function for load to simulate various scenarios that include extreme conditions.

Typical Forced Outages: Estimated using SaskPower forced outage model

Resource Derates for Extreme Conditions: Wind capacity is derated by 96% due to the cut-out of most wind farms below -30°C. Solar generation is expected to be fully unavailable under extreme conditions.

Operational Mitigations: Includes the non-firm import capability (360 MW) and generators in layup status (167 MW) that can be brought online with one to five days' notice; additional demand-side resources are estimated based on other demand response programs and non-firm loads that require 15 minutes to 2 hours of notification

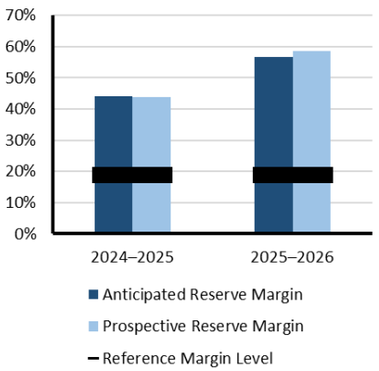
MRO-SPP

SPP's footprint covers 546,000 square miles and encompasses all or parts of Arkansas, Iowa, Kansas, Louisiana, Minnesota, Missouri, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, and Wyoming. The SPP long-term assessment is reported based on the PC footprint, which touches parts of the MRO Regional Entity and the WECC Regional Entity. The SPP assessment area footprint has approximately 61,000 miles of transmission lines, 756 generating plants, and 4,811 transmission-class substations, and it serves a population of more than 18 million.

Highlights

- SPP anticipates that planning reserves are adequate for the upcoming winter season even as SPP continues to set new winter season load records.
- SPP does not anticipate any emerging reliability issues impacting the area for the 2025–2026 Winter season but realizes that interruptions to fuel supply combined with higher penetration of variable energy resources could create unique operation challenges.
- SPP continues to work at enhancing communications and operator preparedness with neighboring regions to address potential electric deliverability issues associated with extreme weather events.
- To minimize conservative operations, EEAs, and mid-range forecast error uncertainty response in wind forecasts, SPP implemented several new operational mitigation processes and procedures to deal with high-impact real-time areas of reliability concern.
- SPP has proposed numerous resource adequacy initiatives, including addressing EUE standards, fuel assurance, winter planning reserve margins, outage policies, demand response, and accreditation; all were recently approved by FERC.

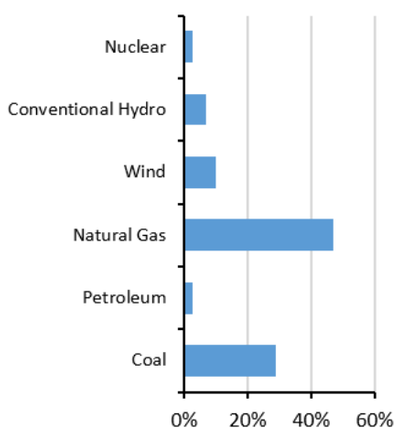
On-Peak Reserve Margin



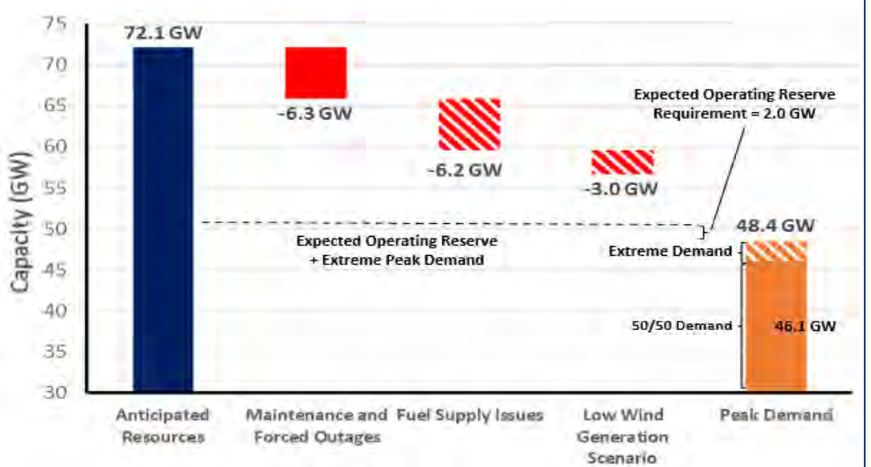
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and extreme demand forecast using historical data

Maintenance and Forced Outages: A capacity derate of 6.3 GW for maintenance outages, forced outages, and performance in extreme weather based on historical data

Fuel Supply Issues: BA derate of 6.2 GW based on MW capacity of gas-fired generators experiencing fuel supply issues in winter storm Elliott.

Low Wind Generation Scenario: 3 GW of wind potentially off-line when temperatures fall below their cold weather performance packages

NPCC-Maritimes

NPCC-Maritimes is an assessment area that covers the Canadian Maritime provinces—New Brunswick, Nova Scotia, and Prince Edward Island—and the northernmost portion of the U.S. state of Maine. The area covers approximately 150,000 square kilometers (58,000 square miles) and has a total population of nearly 1.9 million people. The New Brunswick Power Corporation (NB Power) is the balancing authority for New Brunswick, Prince Edward Island, and the northern portion of Maine. Nova Scotia Power Inc. (NSPI) is the balancing authority for Nova Scotia. NB Power's system is electrically interconnected with NPCC-Québec and NPCC-New England, and the electric systems in the provinces of Nova Scotia and Prince Edward Island have ties with New Brunswick but no direct ties with other assessment areas. Peak electricity demand in NPCC-Maritimes occurs during the winter season.

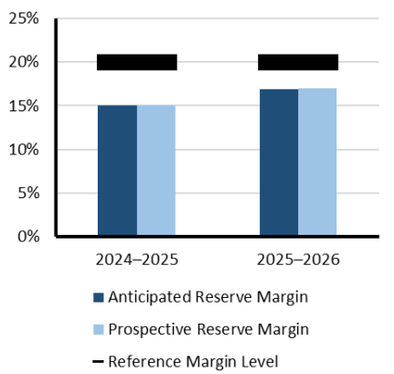
Highlights

- The Maritimes has a diversified mix of capacity resources fueled by oil, coal, hydro, nuclear, natural gas, wind, dual-fuel oil/gas, tie benefits, and biomass with no one type making up more than about 27% of the total capacity in the area.
- The Maritimes has long-term energy contracts in place for its winter supply and can purchase additional energy in the day-ahead and in real time as required.
- As part of the winter planning and preparation process, dual-fueled units will have sufficient supplies of heavy fuel oil stored on site to enable sustained operation in the event of natural gas supply interruptions.

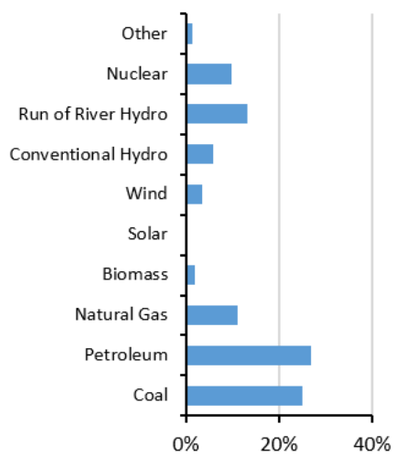
Risk Scenario Summary

Expected resources do not meet operating reserve requirements under normal peak-demand scenarios. Normal winter peak load and outage conditions could result in the need for operating mitigations (i.e., demand response, transfers, appeals) and EEAs. NPCC probabilistic analysis indicates some risk of unserved energy and LOLH under high demand or low resource scenarios.

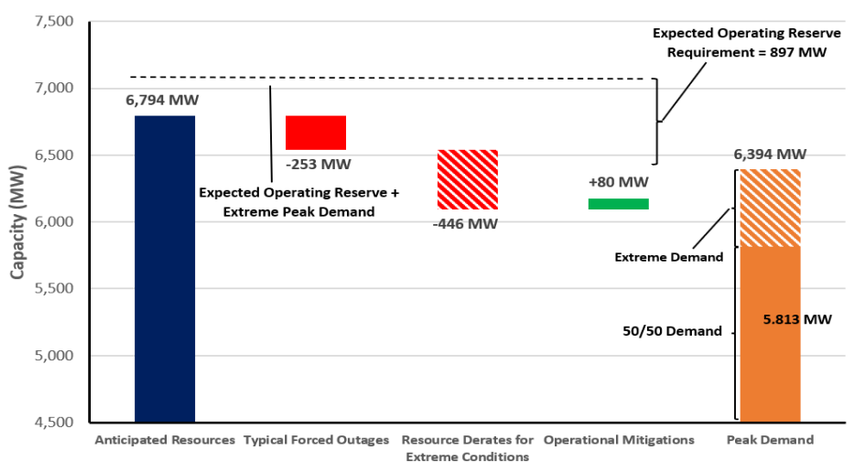
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Scenario peak load with adjustment calculated by adding a 10% margin of error to the peak internal demand forecast taken from the *Long-Term Reliability Assessment* (LTRA) for the 2025–2026 Winter period (aligns with the all-time winter peak, which occurred on February 4, 2024)

Typical Forced Outages: Based on historical operating experience

Resource Derates for Extreme Conditions: Based on ambient temperature thermal derates, wind derated to zero, as well as natural gas capacity derated by 50% due to supply issues

Operational Mitigations: Based on emergency operations and planning procedures in place including fuel switching

NPCC-New England

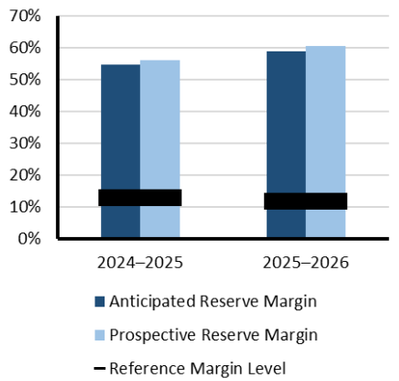
NPCC-New England is an assessment area consisting of the states of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont that is served by ISO New England (ISO-NE) Inc. ISO-NE is a regional transmission organization that is responsible for the reliable day-to-day operation of New England's bulk power generation and transmission system, administration of the area's wholesale electricity markets, and management of the comprehensive planning of the regional BPS.

The New England BPS serves approximately 14.5 million customers over 68,000 square miles.

Highlights

- ISO-NE expects to meet its regional resource adequacy requirements this 2025–2026 Winter operating period without calling upon operating procedures to maintain a balance between electricity supply and demand.
- A standing concern is whether there will be sufficient energy available to satisfy electricity demand during an extended cold spell given the existing resource mix, fuel delivery infrastructure, and expected fuel arrangements without considerable effort to replenish stored fuels (i.e., fuel oil and liquefied natural gas (LNG)).
- ISO-NE expects to have sufficient capacity resources to meet the 2025–2026 50/50 and 90/10 winter peak demand forecast of 19,616 MW and 21,125 MW, respectively, for the weeks beginning January 10, January 17, and January 24.
- ISO-NE has recently developed the Regional Energy Shortfall Threshold (REST) as an effort to quantify the tolerable risk of energy shortfall during extreme events. Within the 0.25% highest-risk scenarios, the REST thresholds are 3.0% normalized EUE over 72-hour periods and 18.0 hours over 21-day periods.
    - ISO-NE does not anticipate exceeding the REST criteria for Winter 2025–2026.

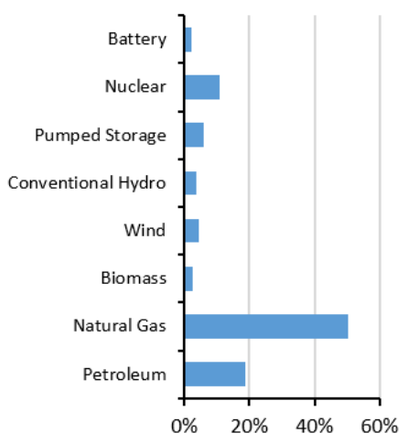
On-Peak Reserve Margin



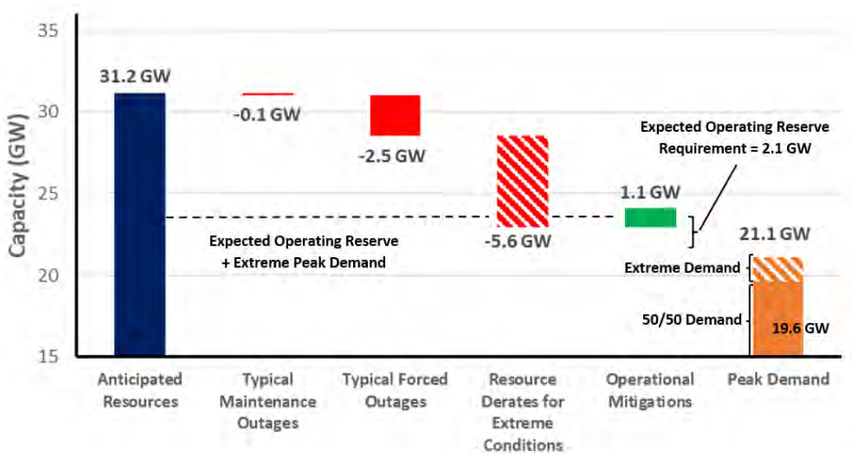
Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed demand scenarios. Above-normal winter peak load combined with high generator outages could result in the need for operating mitigations (i.e., demand response and transfers). Prolonged extreme cold weather events that result in depletion of stored fuels can lead to resource shortfalls.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Peak net internal demand (50/50) and (90/10) extreme demand forecast capturing the region's coldest day in the last 30 years using current and future load models

Typical Maintenance Outages: Based on historical weekly averages

Typical Forced Outages: Based on seasonal capacity of each resource as determined by ISO-NE

Resource Derates for Extreme Conditions: Represent a case that is beyond the (90/10) conditions based on historical observation of force outages and additional reductions for generation at risk due to natural gas supply and cold weather-related outages

Operational Mitigations: Based on load and capacity relief assumed available from invocation of ISO-NE operating procedures

NPCC-New York

NPCC-New York is an assessment area consisting of the New York ISO (NYISO) service territory. NYISO is responsible for operating New York's BPS, administering wholesale electricity markets, and conducting system planning. NYISO is the only BA within the state of New York. The BPS in New York encompasses over 11,000 miles of transmission lines and 760 power generation units and serves 20.2 million customers. For this WRA, the established RML is 15%. Wind, grid-connected solar PV, and run-of-river totals were derated for this calculation. However, New York requires load-serving entities to procure capacity for their loads equal to their peak demand plus an Installed Reserve Margin (IRM). The IRM requirement represents a percentage of capacity above peak load forecast and is approved annually by the New York State Reliability Council. The council approved the 2025–2026 IRM at 24.4%.

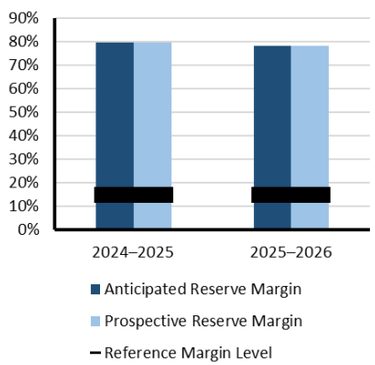
Highlights

- New York is presently a summer-peaking area, and no emerging reliability issues are anticipated during the 2025–26 Winter assessment period.
- Expected resources meet operating reserve requirements under the assessed demand and resource scenarios. A scenario involving an extended cold snap that causes above-normal demand and diminished natural gas supplies would result in low but sufficient reserves.
- The preliminary results of the NPPCC winter probabilistic assessment indicate that operating procedures are not needed to maintain a balance between electricity supply and demand. No cumulative LOLE, LOL,H or EUE risks were indicated over the December–February winter period for all the scenarios modeled.

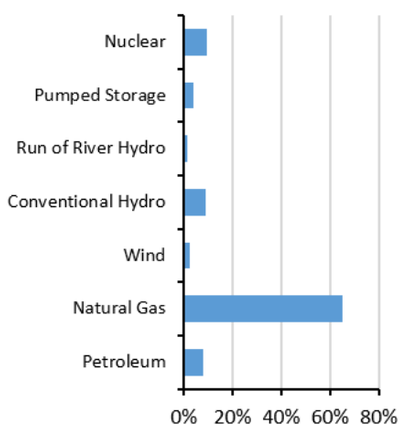
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed demand and resource scenarios.

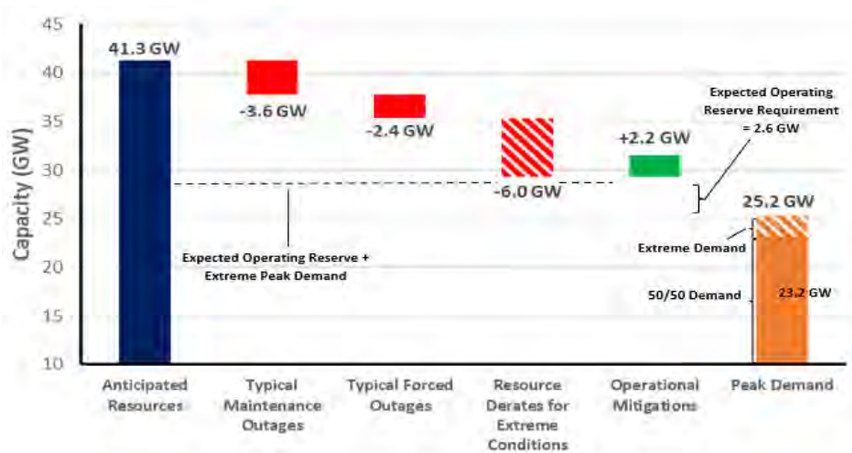
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast

Typical Maintenance Outages: Based on planned scheduled maintenance

Typical Forced Outages: Based on 5–year averages from GADS data.

Resource Derates for Extreme Conditions: Potential natural gas generation at risk if non-firm supply is unavailable in a period of extended cold weather. Based on a 2025 analysis, approximately 6,307 MW of gas generation with non-firm fuel supplies could be unavailable.

Operational Mitigations: Based on NYISO operating procedures

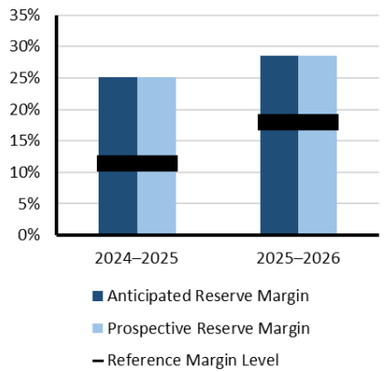
NPCC-Ontario

NPCC-Ontario is an assessment area that covers the Canadian province of Ontario. The province of Ontario covers more than 1 million square kilometers (415,000 square miles) and has a population of almost 16 million people. The Independent Electricity System Operator (IESO) is the balancing authority for the province of Ontario. NPCC-Ontario is electrically interconnected with NPCC-Québec, MRO-Manitoba, MISO, and NPCC-New York. Peak electricity demand in NPCC-Ontario occurs during the summer season.

Highlights

- As Ontario is a summer-peaking province, there is typically a lower risk of reliability issues during the winter than the summer. However, Ontario regularly experiences extreme cold weather in the winter.
- NPCC-Ontario is well prepared for Winter 2025–2026, and IESO expects that the electric system will remain reliable with reserve margins well above required levels.
- Operators and forecasters in Ontario work closely with neighboring jurisdictions to manage extreme weather events.
- Natural-gas-fired generators in Ontario are supplied by pipelines with access to the Enbridge Gas Dawn Hub and its associated storage facilities, which significantly reduces natural gas deliverability and reliability concerns by connecting those systems to several major gas transportation corridors, enabling access to multiple supply basins.

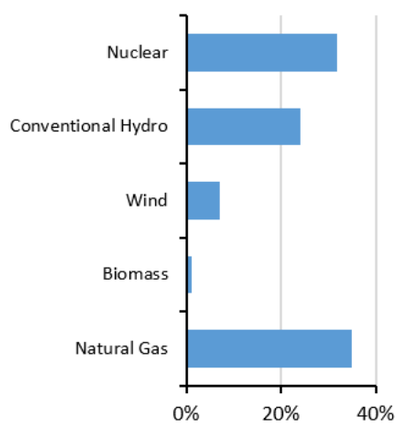
On-Peak Reserve Margin



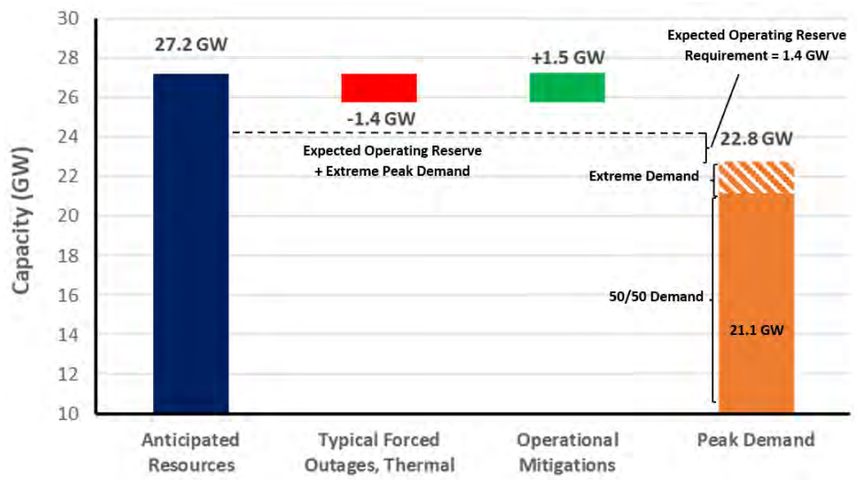
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50 forecast) and highest weather-adjusted daily demand from 31 years of winter demand history

Typical Forced Outages, Thermal: Based on analysis of a rolling five-year history of actual forced outage data.

Operational Mitigations: Imports anticipated from **neighbors** during emergencies

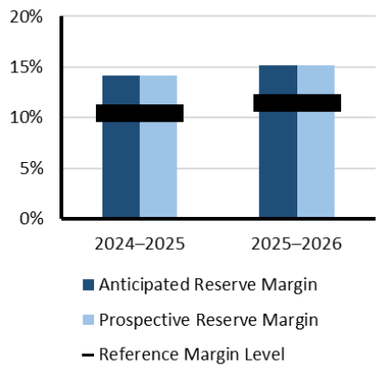
NPCC-Québec

NPCC-Québec is an assessment area that covers the Canadian province of Québec. The province of Québec covers over 1.5 million square kilometers (nearly 600,000 square miles) and has a population of 9 million people. Hydro-Québec is the BA for the province of Québec. The Québec BPS is one of the four electric Interconnections in North America. It is a predominately hydroelectric-generation-based system that is electrically interconnected with NPCC-Ontario, NPCC-New York, NPCC-New England, and NPCC-Maritimes. Peak electricity demand in NPCC-Québec occurs during the winter season.

Highlights

- NPCC-Québec projects adequate capacity margins above its reference reserve requirements and that system resource adequacy will be maintained for the province for the 2025–26 Winter assessment period.
- No hydropower performance issues are expected during extreme cold because of design criteria for cold weather.
- No fuel supply or transportation issues are anticipated for the upcoming winter season.
- While a slight decrease in net firm transfers has occurred since last winter (-89 MW), significant increases in demand-side management programs (+450 MW year-over-year) have been realized over the same period and are expected to compensate for this winter's modest expected load growth.

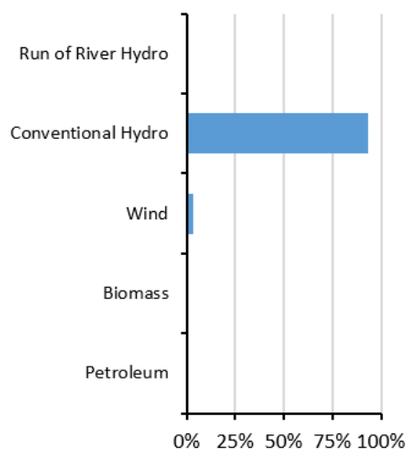
On-Peak Reserve Margin



Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario

Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at hour ending 8:00 a.m.

Demand Scenarios: Demand forecasts include demand-side resources. The demand side resources are the same for the 50/50 and extreme demand scenarios. The extreme load forecast is determined at two standard deviations higher than the mean, which has a 6.06% probability of occurrence.

Extreme Derates: Maintenance outages and other deratings are already included in existing-certain capacity calculation. Wind capacity is 64% derated

Typical Forced Outages: Unplanned outages are 1,500 MW.

Operational Mitigations: Operational mitigations include imports from neighboring areas and reduction of reserves

PJM

PJM Interconnection is a regional transmission organization that coordinates the movement of wholesale electricity in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia, and the District of Columbia. PJM's footprint covers approximately 369,054 square miles and with an approximate population of 67 million people. PJM is the area's BA, Transmission and Resource Planner, interchange authority, TOP, transmission service provider, and RC. PJM is electrically interconnected with MISO, NPCC-New York, SERC-Central, and SERC-East. Peak electricity demand in PJM occurs during the summer season.

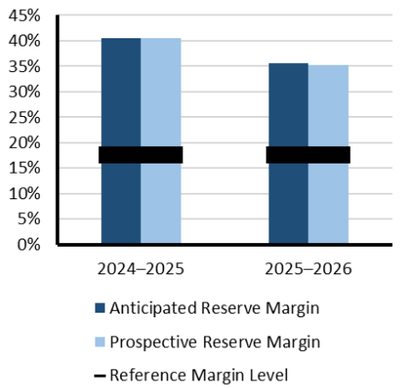
Highlights

- Due to the low penetration of limited and variable resources in PJM relative to PJM's peak load, the hour with highest loss-of-load risk remains the hour with highest forecasted demand.
- PJM is expecting little capacity adequacy risk during Winter 2025–2026 and expects around 35% installed reserves, which is above the target IRM of 17.7% necessary to meet the 1-day-in-10-years LOLE criterion.
- Last winter, PJM hit a new all-time winter peak, but generator preparations anticipating congestion and tight capacity projections led to sufficient reserves throughout the demand event and PJM's transmission system performed well.
- The decrease in reserves from Winter 2024–2025 is due to load increases and retirement of generation without like (non-solar dispatchable) replacement generation.

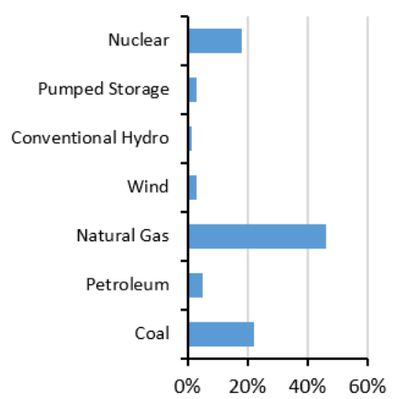
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

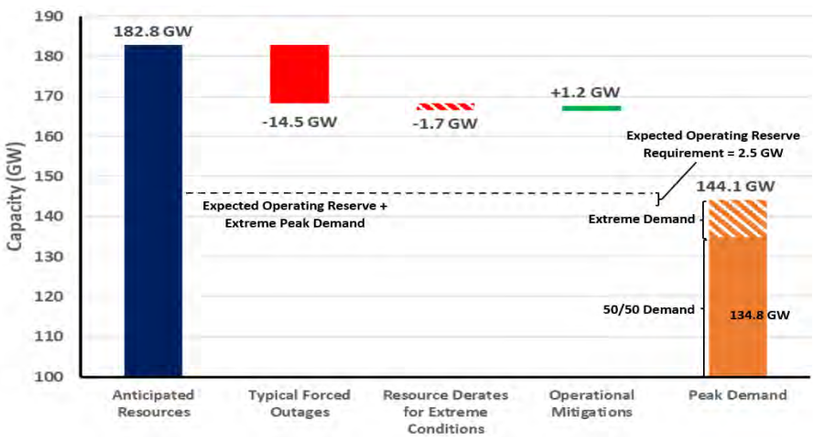
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast

Typical Forced Outages: Based on historical data and trending

Resource Derates for Extreme Conditions: Reduced thermal capacity contributions due to performance in extreme conditions

Operational Mitigations: accounts for an estimated value based on operational / emergency procedures

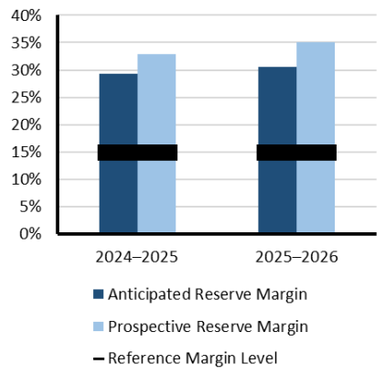
SERC-Central

SERC-Central is an assessment area within the SERC Regional Entity. SERC-Central includes all of Tennessee and portions of Georgia, Alabama, Mississippi, Missouri, and Kentucky. Historically a summer-peaking area, SERC-Central is beginning to have higher peak demand forecasts in winter. SERC is one of the six companies across North America that are responsible for the work under FERC-approved delegation agreements with NERC. SERC-Central is specifically responsible for the reliability and security of the electric grid across the Southeastern and Central areas of the United States. This area covers approximately 630,000 square miles and serves a population of more than 91 million. The SERC Regional Entity includes 36 BAs, 28 planning entities, and 6 RCs.

Highlights

- SERC-Central is transitioning from a summer-peaking area to a dual-peaking system.
- For the 2025–2026 Winter, SERC-Central projects a sufficient level of resources to serve the expected load under median weather and typical system operating conditions, based on the 2024 NERC ProbA base-case results.
- Most entities across SERC-Central report that fuel security is strong since it is supported by firm natural gas contracts, storage resources, and reliable pipeline capacity. Coal inventories are projected to remain within operational ranges necessary to meet winter demand.
- Following lessons from Winter Storm Elliott, one SERC-Central entity raised its winter Planning Reserve Margin target to 26% and updated preparedness programs with improved heat trace capabilities.

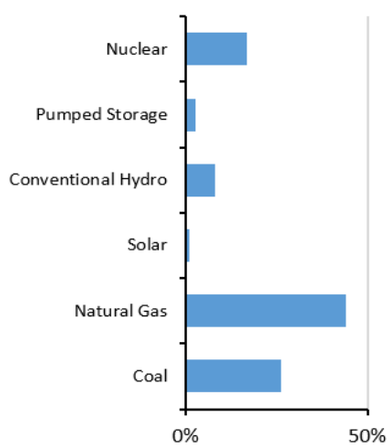
On-Peak Reserve Margin



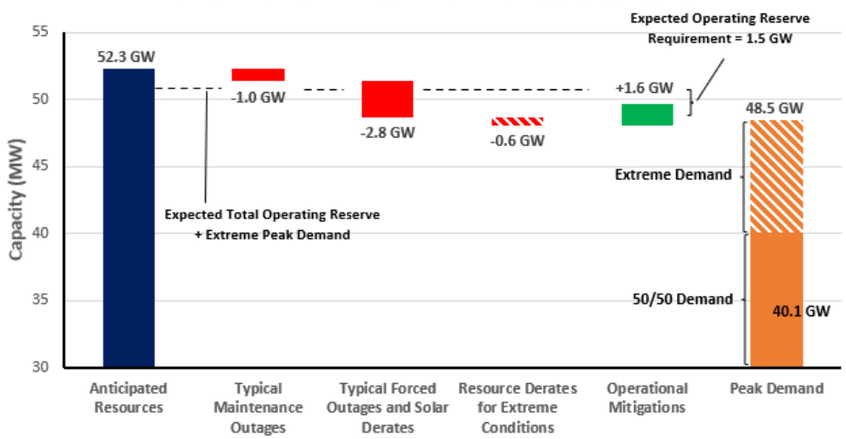
Risk Scenario Summary

Expected resources meet operating reserve requirements under normal peak demand. A severe cold weather event that extends to the south could lead to energy emergencies as operators face sharp increases in generator forced outages and electricity demand. Above-normal winter peak load and outage conditions could result in the need for operating mitigations (i.e., demand response and transfers) and EEAs. Load shedding is unlikely but may be needed under wide-area cold weather events.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast using 30 years of historical data

Typical Maintenance Outages: Data collected through a survey of members for expected outages during December through February

Typical Forced Outages and Solar Derate: Includes any weighted average forced-outage rates on-peak that are not factored into the anticipated resources calculation . Also, solar resources are derated to account for peak demand occurrence during darkness.

Resource Derates for Extreme Conditions: Entity-provided values for low likelihood extreme conditions

Operational Mitigations: A total of over 1.6 GW based on operational/emergency procedures

SERC-East

SERC-East is an assessment area within the SERC Regional Entity. SERC-East includes North Carolina and South Carolina. Historically a summer-peaking area, SERC-East is beginning to have higher peak demand forecasts in winter. SERC is one of the six Regional Entities across North America that are responsible for the work under FERC-approved delegation agreements with NERC. SERC is specifically responsible for the reliability and security of the electric grid across the Southeastern and Central United States. The SERC Regional Entity covers approximately 630,000 square miles with a population of more than 91 million. The SERC Regional Entity includes 36 BAs, 28 Planning Authorities (PA), and 6 RCs.

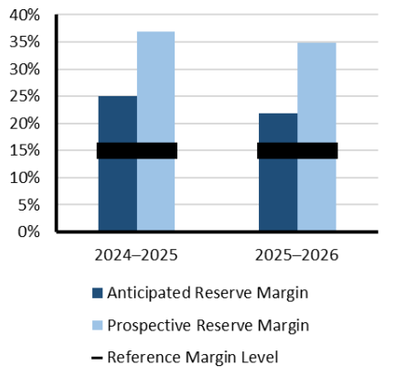
Highlights

- SERC-East is transitioning from a summer-peaking area to potentially peaking during both summer and winter. This shift is attributed to the continued addition of solar PV generation, which reduces summer peak demand, and a trend toward electrification of heating, which drives up winter peak demand.
- For the 2025–2026 Winter, the SERC-East region projects a sufficient level of resources to serve the expected load under median weather and typical system operating conditions, based on the 2024 NERC ProbA base-case results.
- Fuel supplies and transportation remain stable, and entities anticipate maintaining adequate coal and oil inventories with no reported changes to fuel procurement or operator plans for the upcoming winter.
- Probabilistic Base Case Results (Median Weather): EUE is 61.95 MWh and LOLH is 0.06 hours/year. EUE values are likely due to higher winter peaks and/or lower supply of capacity that can meet early winter morning demand.
- Mitigation measures for extreme conditions include voltage reduction (25–50 MW) and load-shedding programs that cover up to 30% of system load.

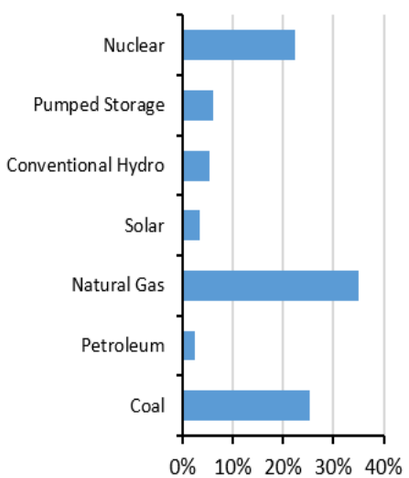
Risk Scenario Summary

Expected resources meet operating reserve requirements under normal demand scenarios. A severe cold weather event extending to the south could lead to energy emergencies as operators face sharp increases in generator forced outages and electricity demand. Above-normal winter peak load and outage conditions could result in the need for operating mitigations (i.e., demand response and transfers) and EEAs. Load shedding is unlikely but may be needed under wide-area cold weather events.

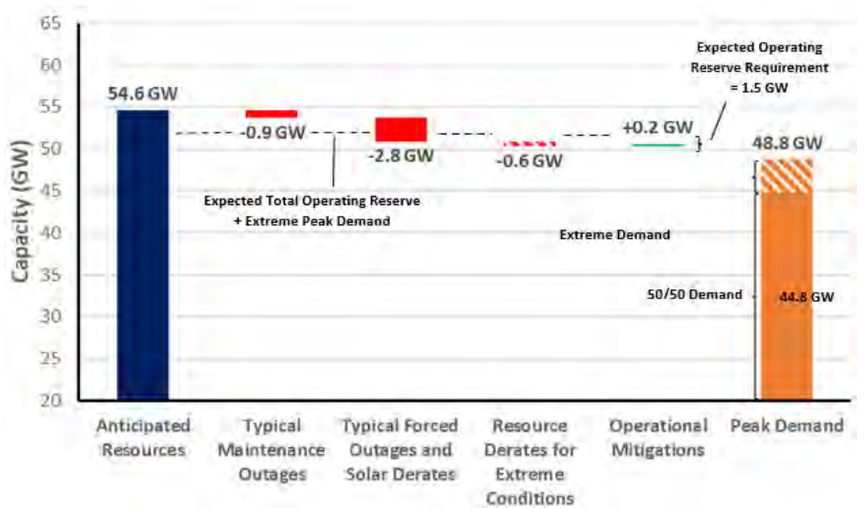
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast

Typical Maintenance Outages: Data collected through a survey of members for outages during December through February

Typical Forced Outages and Solar Derate: Weighted average forced-outage rates on-peak are factored into the anticipated resources calculation. Also, solar resources are derated to account for peak demand occurrence during darkness.

Resource Derates for Extreme Conditions: Maximum historical generation outages (excluding 2022–2025)

Operational Mitigations: A total of 0.2 GW based on operational/emergency procedures

SERC-Florida Peninsula

SERC-Florida Peninsula is a summer-peaking assessment area within SERC. SERC is one of the six Regional Entities across North America that is responsible for the work under FERC-approved delegation agreements with NERC. SERC is specifically responsible for the reliability and security of the electric grid across the Southeastern and Central United States. The SERC Regional Entity area covers approximately 630,000 square miles with a population of more than 91 million. The SERC Regional Entity includes 36 BAs, 28 PAs, and 6 RCs.

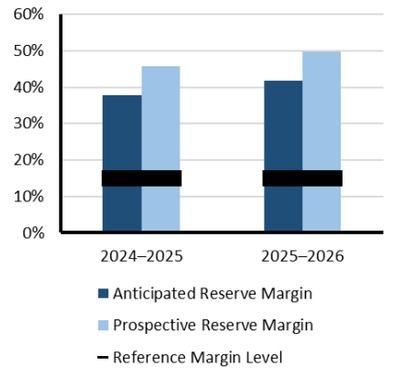
Highlights

- SERC-Florida Peninsula is a summer-peaking assessment area.
- Florida Peninsula entities have not identified any emerging reliability issues for the upcoming 2025–26 Winter season with an ARM projected at 39%, well above the RML, while the 2024 NERC ProbA base-case results project a sufficient level of resources to serve the expected load under median weather and typical system operating conditions (EUE is 1.09 MWh and LOLH is 0.00 hours/year).
- Many entities report strong fuel security, supported by firm natural gas contracts, storage resources, reliable pipeline capacity, and actively managed coal and oil inventories, which are projected to remain within operational ranges to meet winter demand.
- Florida Peninsula entities do not assume non-firm external assistance from neighboring areas during extreme conditions.

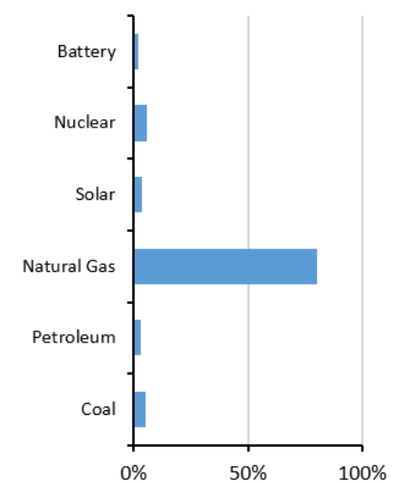
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

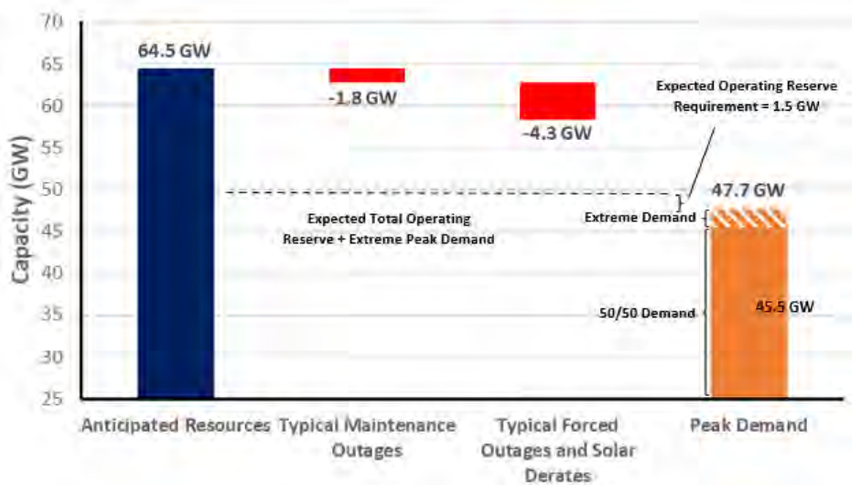
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast using 30 years of historical data

Typical Maintenance Outages: Data collected through a survey of members for outages during December through February

Typical Forced Outages and Solar Derate: Weighted average forced-outage rates on-peak are factored into the anticipated resources calculation. Also, solar resources are derated to account for peak demand occurrence during darkness.

Resource Derates for Extreme Conditions: Entity-provided values for low likelihood extreme conditions

SERC-Southeast

SERC-Southeast is a summer-peaking assessment area within the SERC Regional Entity. SERC-Southeast includes all or portions of Georgia, Alabama, and Mississippi. SERC is one of the six Regional Entities across North America that is responsible for the work under FERC-approved delegation agreements with NERC. SERC is specifically responsible for the reliability and security of the electric grid across the Southeastern and Central United States. The SERC Regional Entity covers approximately 630,000 square miles with a population of more than 91 million. The SERC Regional Entity includes 36 BAs, 28 PAs, and 6 RCs.

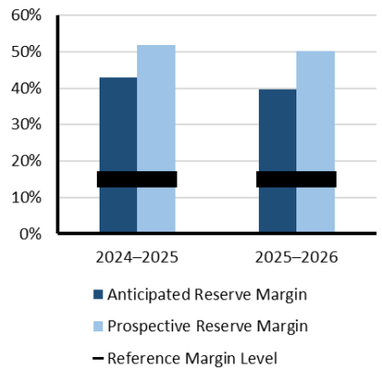
Highlights

- SERC-Southeast is trending towards becoming slightly winter-peaking.
- For the 2025–2026 Winter, SERC-Southeast entities report no emerging reliability concerns and expect to have adequate resources, supported by firm natural gas transportation contracts, diverse fuel portfolios, and sufficient on-site coal inventories to serve the expected load under typical system operating conditions. The 2024 NERC ProbA base-case results in EUE and LOLH are both 0.00.
- While most SERC-Southeast BAs expect to have adequate resources, supported by firm natural gas transportation contracts, diverse fuel portfolios, and sufficient on-site coal inventories, one BA highlights potential risks related to natural gas transportation capacity, citing high pipeline utilization, competition for delivered gas, and ratable flow requirements. Mitigation strategies include securing third-party gas supply, adding dual-fuel capability, and implementing coal inventory management.
- Entities have made refinements such as replacing specific 230 kV circuit breakers and increasing monitoring frequencies for critical plant systems after January 2025 winter events.

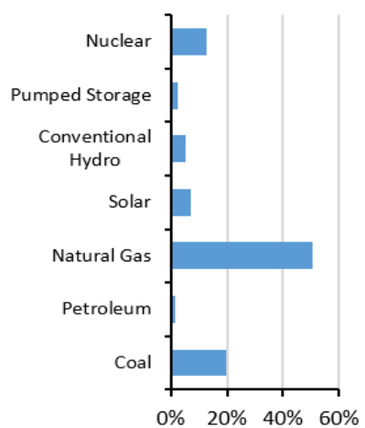
Risk Scenario Summary

Expected resources meet operating reserve requirements under the assessed scenarios.

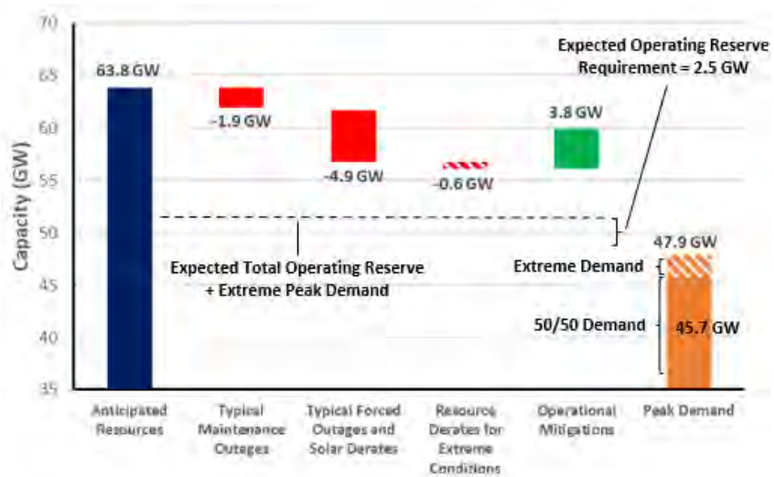
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Net internal demand (50/50) and (90/10) demand forecast using 30 years of historical data

Typical Maintenance Outages: Data collected through a survey of members for outages during December through February

Typical Forced Outages and Solar Derate: Weighted average forced-outage rates on-peak are factored into the anticipated resources calculation. Also, solar resources are derated to account for peak demand occurrence during darkness.

Resource Derates for Extreme Conditions: Maximum historical generation outages

Operational Mitigations: A total of 3.8 GW based on operational/emergency procedures

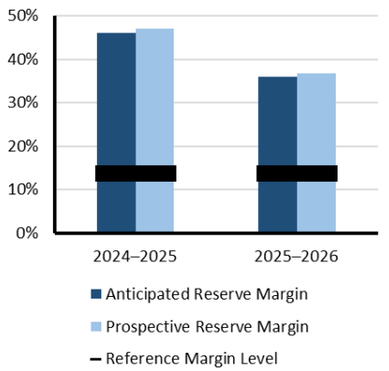
Texas RE-ERCOT

ERCOT is the ISO for the ERCOT Interconnection and is located entirely in the state of Texas; it operates as a single BA. It also performs financial settlement for the competitive wholesale bulk-power market and administers retail switching for nearly 8 million premises in competitive choice areas. ERCOT is governed by a board of directors and subject to oversight by the Public Utility Commission of Texas and the Texas Legislature. ERCOT is summer-peaking and covers approximately 200,000 square miles, connects over 54,100 miles of transmission lines, has over 1,250 generation units, and serves more than 27 million customers. Texas RE is responsible for the Regional Entity functions described in the Energy Policy Act of 2005 for ERCOT. On November 3, 2022, the Public Utility Commission of Texas issued an order directing ERCOT to assume the duties and responsibilities of the reliability monitor for the Texas power grid.

Highlights

- Given expected system conditions, an ARM of 36% and RML of 13.75%, ERCOT expects to have sufficient operating reserves for the peak hour ending 8:00 a.m.
- ERCOT does not expect any significant fuel supply issues for the winter.
- ERCOT has conducted 2,028 generation resource and transmission service provider (TSP) winter weatherization inspections since Winter 2021–2022.
- Winter peak demands typically occur before sunrise and after sunset when solar generation is not available. Significant battery storage mitigates these risks.
- ERCOT's probabilistic risk assessment indicates a 2% probability of having to declare EEAs during the January forecasted winter peak day (which coincides with the highest reserve shortage risk) and a controlled load shed probability of 1.8%. ERCOT defines low-risk hours as when the probability of an EEA is less than 10%.
- Increased load growth in west Texas combined with "no solar" and low wind conditions can cause transmission lines into this area to become heavily loaded. ERCOT has introduced improved dynamic line ratings that allow for greater transfers at colder temperatures and periods of low irradiance.

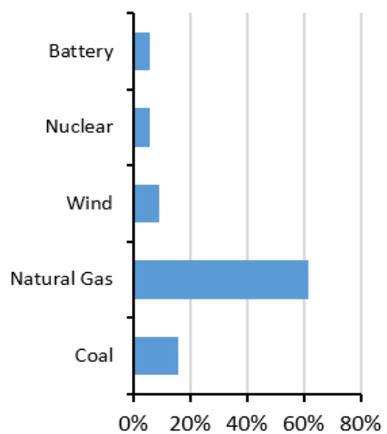
On-Peak Reserve Margin



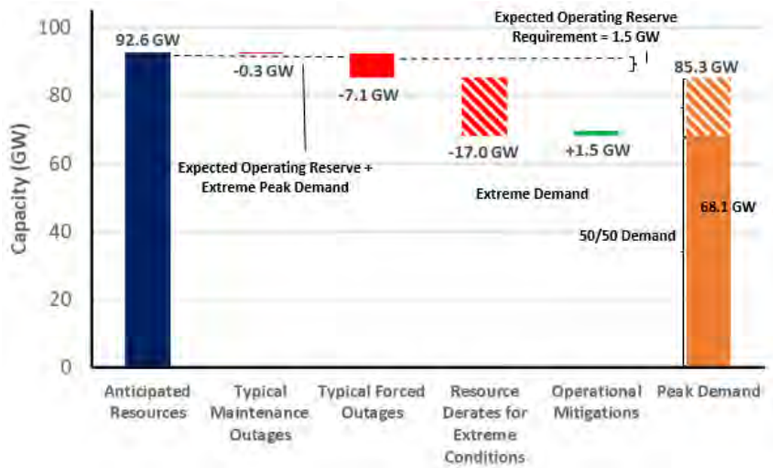
Risk Scenario Summary

Expected resources meet operating reserve requirements under normal peak-demand scenarios. Above-normal winter peak load and outage conditions could result in the need for operating mitigations (i.e., demand response and transfers) and EEAs. Load shedding is unlikely but may be needed under wide-area cold weather events.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy at peak demand hour

Demand Scenarios: Presumes weather conditions comparable to Winter Storm Uri. The adjustment is calculated as the difference between the 100th percentile and 50th percentile values from ERCOT's Probabilistic Reserve Risk Model (PRRM) simulated load outcome distribution for hour ending 8:00 a.m.

Typical Maintenance Outages: Based on historical winter data and consideration of ERCOT's allowed maximum system daily planned outage capacity

Typical Forced Outages: Based on a probability distribution created using historical ERCOT Outage Scheduler data for the last three Januarys.

Resource Derates for Extreme Conditions: Weather-related thermal and wind outages based on Winter Storm Uri levels, adjusted for reductions due to weatherization standards. Also includes high non-weather-related outages.

Operational Mitigations: Additional potential capacity from switchable generation and imports

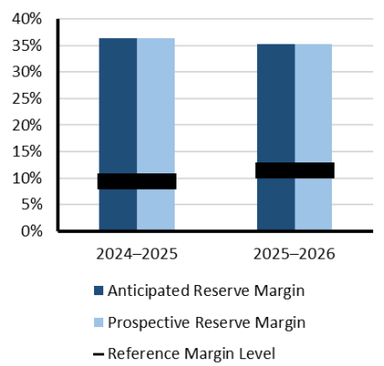
WECC-Alberta

WECC-Alberta is an assessment area that covers the Canadian province of Alberta. The province has a geographic area of 661,848 square kilometers (255,541 square miles) and a population of almost 5 million people. The Alberta Electric System Operator (AESO) is the province's Planning Entity and RC responsible for safe, reliable, and economic operation of the Alberta Interconnected Electric System. AESO is a non-profit corporation that operates a system that includes approximately 26,000 kilometers of transmission lines and connects approximately 426 qualified generating units and nearly 250 market participants through a wholesale market. Alberta's transmission system has three interties with neighboring areas: Saskatchewan (see MRO-SaskPower), British Columbia (see WECC-British Columbia), and Montana (see WECC-Northwest). Peak electricity demand on the AESO system currently occurs during the winter season.

Highlights

- At an extreme winter peak of 12,982 MW, with extreme forced outages at 530 MW and derates for extreme conditions bringing wind energy availability down by 1,800 MW and hydroelectricity by 88 MW, the required reserves are 759 MW and are sufficiently met, even with low availability.
- Demand is expected to increase 1.1% from last winter with the existing-certain installed capacity having increased 23%.
- Solar availability is down because 1,000 MW of PV moved from originally expecting to come on-line in 2024 as Tier 1 resources to Tier 2s mostly anticipated to come on-line in 2025, but with less certainty.

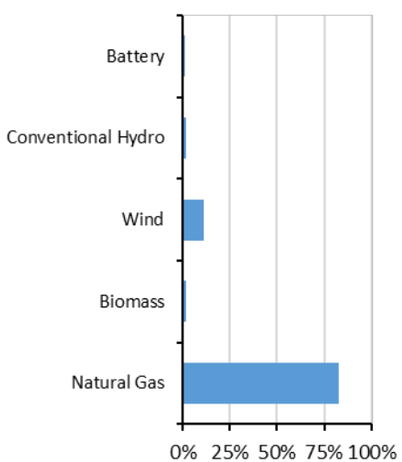
On-Peak Reserve Margin



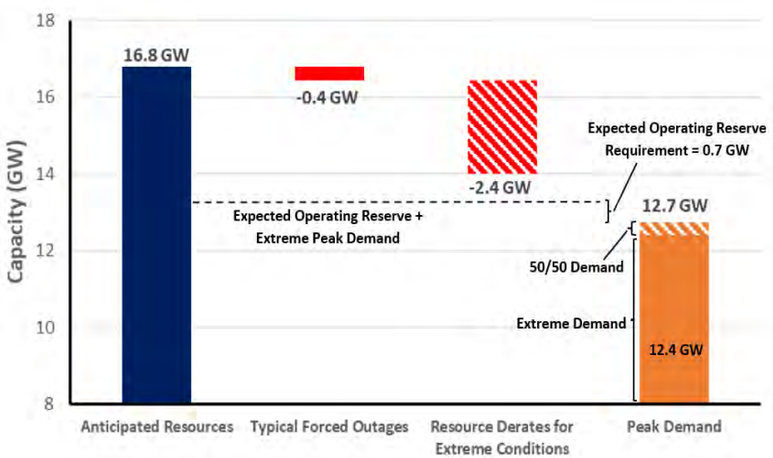
Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed scenarios.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS data

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

WECC-Basin

WECC-Basin is a summer-peaking assessment area in the WECC Regional Entity that includes Utah, southern Idaho, and a portion of western Wyoming, covering Idaho Power and PacifiCorp's eastern BA area. The population of this area is approximately 5.4 million. It has 15,910 miles of transmission. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC's 329 members include 40 BAs, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 84.5 million customers, it is geographically the largest and most diverse Regional Entity. *Note: The 2025-26 WRA includes a new assessment area map for the U.S. Western Interconnection. The new assessment area boundaries provide more geographic detail of reliability risk information. WECC-Basin is a new assessment area in 2025 that was part of WECC-NW in the 2024–25 WRA*.

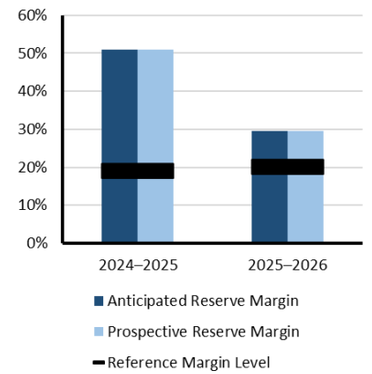
Highlights

- At an extreme winter peak of 11.1 GW under an extreme combination of derates and outages, the region could be short 1.0 GW before imports and is expected to need to rely on transfers.
- Net internal demand is expected to increase 1% since last year, with total internal demand up 1.8% being offset by a doubling of controllable and dispatchable demand response.
- Tier 1 resources have declined and do not appear to be offset by increases in existing-certain generation resource capacity. Nameplate wind has increased by almost 18% and solar by almost 30%. Hydro is also up over 7% in total installed capacity.
- Reliance on imports is expected to be required to maintain resource adequacy during extreme peak demand and extreme derate conditions.

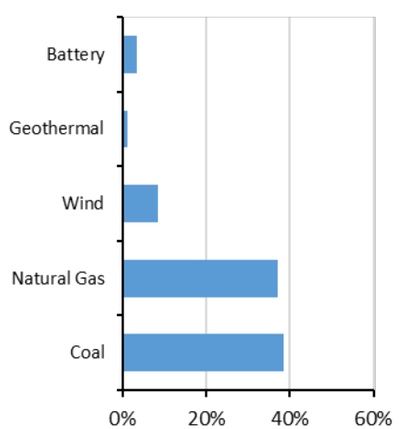
Risk Scenario Summary

Expected resources meet operating reserve requirements under normal peak demand scenarios. Above-normal peak demand combined with high generator outages in extreme conditions results in the need for external assistance to maintain reserves.

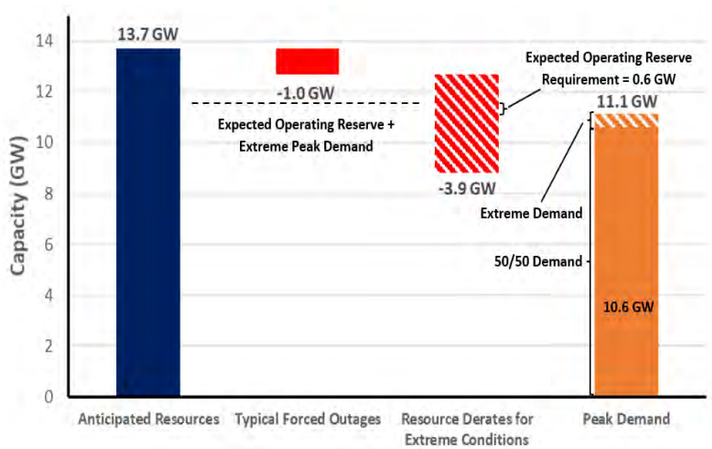
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Extreme Derates: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

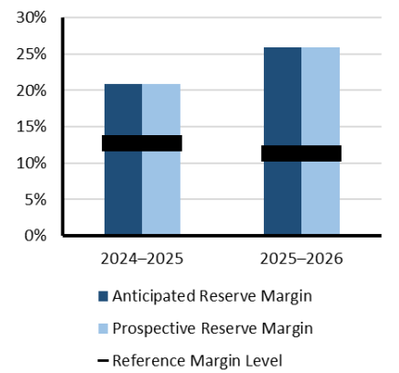
WECC-British Columbia

WECC-British Columbia is an assessment area that covers the Canadian province of British Columbia. The province has a geographic area of 944,735 square kilometers (364,764 square miles) and a population of just over 5 million people. BC Hydro is the Planning Entity and RC for the province of British Columbia and is the principal supplier of electricity for the province. BC Hydro is a provincial Crown corporation and, under provincial legislation, is responsible for the oversight of the British Columbia BES and its interconnections. BC Hydro operates an integrated system supported by 30 hydroelectric plants, approximately 80,000 kilometers of transmission and distribution lines, and 125 contracts with independent power producers. BC Hydro's transmission system has two interties with neighboring areas: the U.S. state of Washington (see WECC-Northwest) and Alberta (see WECC-Alberta). Peak electricity demand on the BC Hydro system currently occurs during winter.

Highlights

- Peak demand is expected to remain about the same as last winter.
- There are about 200 MW more (47%) planned Tier 1 resources for this winter than last.
- Solar nameplate capacity has increased from 2 MW to 17 MW since last winter and hydroelectric nameplate capacity is up more than 5%, or 1,366 MW.

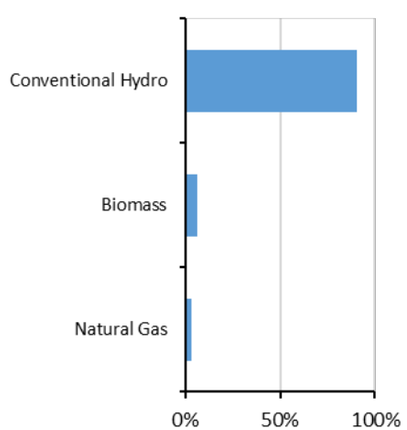
On-Peak Reserve Margin



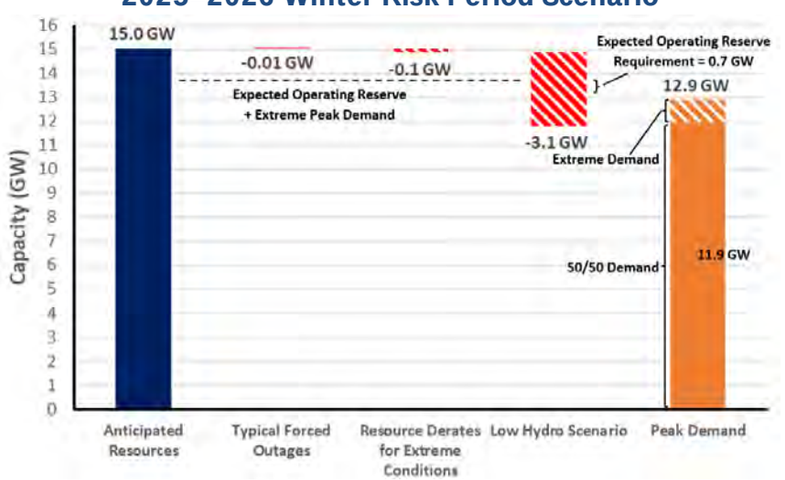
Risk Scenario Summary

Expected resources meet operating reserve requirements under normal and extreme demand scenarios.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

Low Hydro Scenario: Estimated derate for lower hydro output

WECC-California

WECC-California is a summer-peaking assessment area in the Western Interconnection that includes most of California and a small section of Nevada. The assessment area has a population of over 42.5 million people. The area includes the California ISO, the Los Angeles Department of Water and Power, the Turlock Irrigation District, and the Balancing Area of Northern California. It has 32,712 miles of transmission. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC's 329 members include 40 BAs, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 84.5 million customers, it is geographically the largest and most diverse Regional Entity. *Note: The 2025–26 WRA includes a new assessment area map for the U.S. Western Interconnection. The new assessment area boundaries provide more geographic detail of reliability risk information. WECC-Basin is a new assessment area in 2025 that was part of WECC-NW in the 2024–25 WRA.*

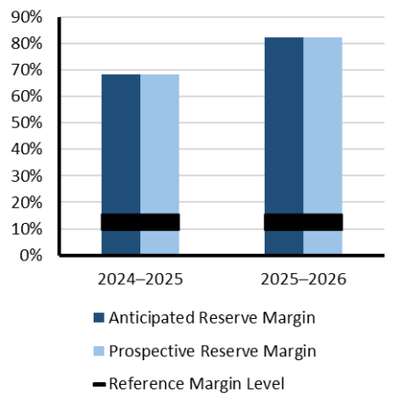
Highlights

- Operating reserve margins are met before imports in all winter resource availability scenarios.
- On-peak demand is expected to remain about the same as last winter. Demand-side management is down about 10%.
- Existing-certain capacity is up almost 5%, while planned Tier 1 resources are up more than 2 GW. The total wind nameplate capacity is up almost 27% and solar almost 13%. Hydro is down 4%.
- No reliance on imports is expected to be required to maintain resource adequacy for Winter 2025–2026.

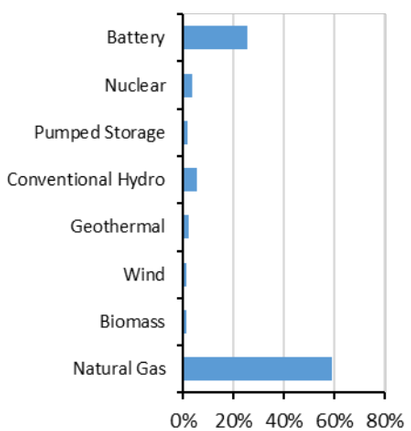
Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed scenarios.

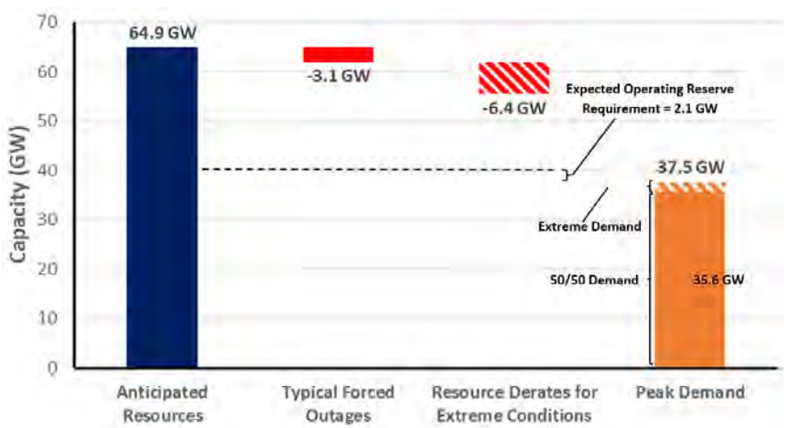
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

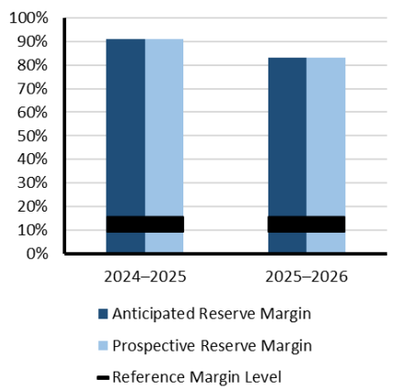
WECC-Mexico

WECC-Mexico is a summer-peaking assessment area in the Western Interconnection that includes the northern portion of the Mexican state of Baja California, which has a population of 3.8 million people and includes CENACE. It has 1,568 miles of transmission. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC's 329 members include 40 BAs, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 84.5 million customers, it is geographically the largest and most diverse Regional Entity. *Note: The 2025–26 WRA includes a new assessment area map for the U.S. Western Interconnection. The new assessment area boundaries provide more geographic detail of reliability risk information. WECC-Basin is a new assessment area in 2025 that was part of WECC-NW in the 2024–25 WRA.*

Highlights

- As a summer-peaking region, operating reserve margins are met before imports in all scenarios.
- Planned Tier 1 resources are down 100% to zero as expected resources have either been brought on-line to move into existing or, in the case of some natural gas, have been delayed until 2026 and moved into Tier 2.
- The existing-certain on peak reserve margin is down by 5.2%, and the anticipated and prospective reserve margins are down by 7.8%; however, since Mexico is heavily summer-peaking, the 83% reserve margin still exceeds the RML of 12.5%, which remains unchanged.

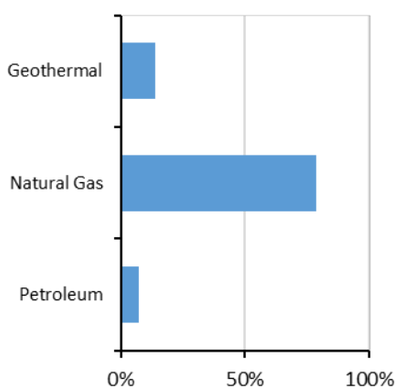
On-Peak Reserve Margin



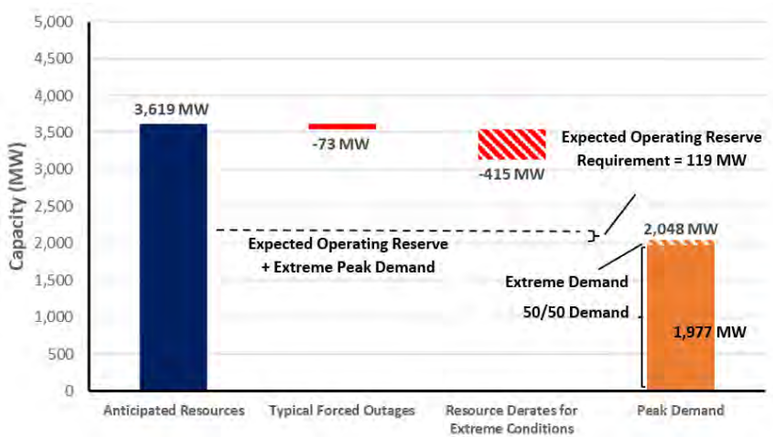
Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed scenarios.

On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

WECC-Northwest

WECC-Northwest is a winter-peaking assessment area in the WECC Regional Entity. The area includes Montana, Oregon, and Washington and parts of northern California and northern Idaho. The population of the area is approximately 13.6 million. It has 32,751 miles of transmission. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC's 329 members include 40 BAs, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 84.5 million customers, it is geographically the largest and most diverse Regional Entity. *Note: The 2025–26 WRA includes a new assessment area map for the U.S. Western Interconnection. The new assessment area boundaries provide more geographic detail of reliability risk information. WECC-Basin is a new assessment area in 2025 that was part of WECC-NW in the 2024–25 WRA.*

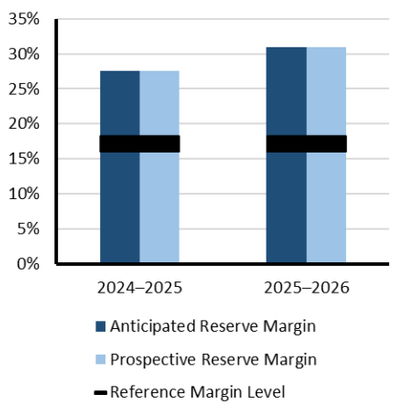
Highlights

- The Northwest has historically been a mixed season-peaking region.
- Operating reserve margins are expected to be met after imports in all winter scenarios.
- Total and net internal demand are up 9.3% with the primary drivers being data centers, residential electrification, transportation electrification, and semiconductor manufacturing.
- Large coal unit retirements and conventional hydro unit retirements are attributable to the reduction in existing certain capacity of 10.5%; however, planned Tier 1 resources have soared over 580%, from 463 MW to over 3 GW.
- Nameplate wind capacity is up over 3 GW (26%) and solar nameplate capacity is up nearly 2,690 MW (134%), which has also increased the solar availability on the peak hour.
- An increase in firm imports is seen in the model, 6.1 GW, absorbing the reduction in existing certain capacity of 4 GW.

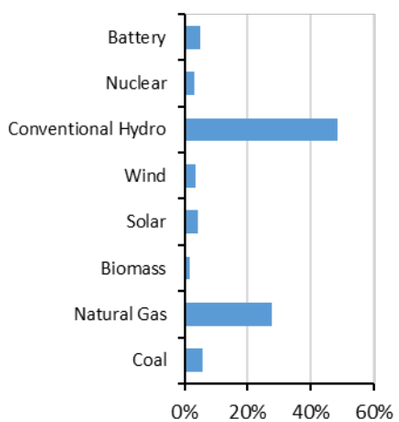
Risk Scenario Summary

Expected resources meet operating reserve requirements under normal peak demand scenarios. Above-normal peak demand combined with high generator outages in extreme conditions results in the need for external assistance to maintain reserves.

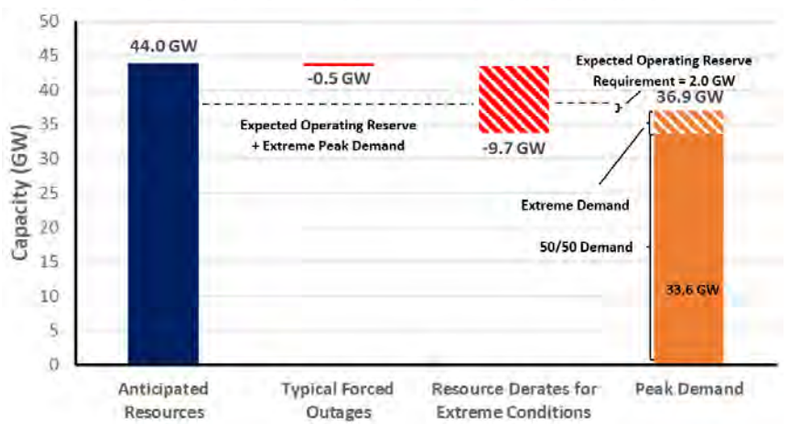
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period. This value includes 6.8 GW of hydro derates.

WECC-Rocky Mountain

WECC-Rocky Mountain is a summer-peaking assessment area in the Western Interconnection that includes Colorado, most of Wyoming, and parts of Nebraska and South Dakota. The population of the area is approximately 6.7 million. It covers the balancing areas of the Public Service Company of Colorado and the Western Area Power Administration's Rocky Mountain Region. It has 18,797 miles of transmission. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC's 329 members include 40 BAs, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 84.5 million customers, it is geographically the largest and most diverse Regional Entity. *Note The 2025–26 WRA includes a new assessment area map for the U.S. Western Interconnection. The new assessment area boundaries provide more geographic detail of reliability risk information. WECC-Basin is a new assessment area in 2025 that was part of WECC-NW in the 2024–25 WRA.*

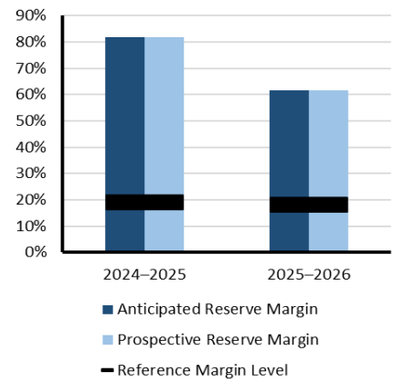
Highlights

- In Rocky Mountain, operating reserve margins are expected to be met before imports in all winter scenarios.
- Total and net internal demand are up almost 1%. The primary drivers are data centers and commercial and industrial customer growth.
- Planned Tier 1 resources are up over 84%, from almost 200 MW to over 365 MW. Solar nameplate capacity is up 27%; however, on-peak solar energy availability is down 100% due to the shift to after sunset. Expected hydro on peak energy availability is also down by around a quarter on the peak hour. Existing-Certain, Anticipated, and Prospective Reserve Margins are all down by over 20% on the peak hour; however, the region still maintains resource adequacy with margins hovering around 60% compared to the RML of 18%.
- No reliance on imports is expected to be required to maintain resource adequacy under combined extreme peak and extreme derated conditions.

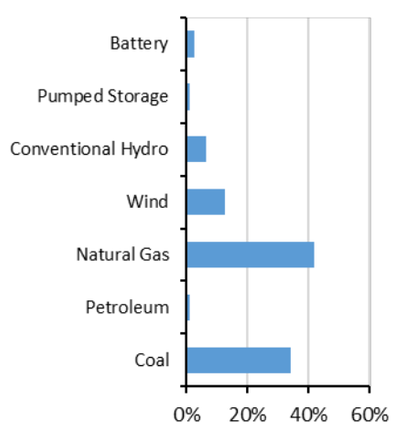
Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed scenarios.

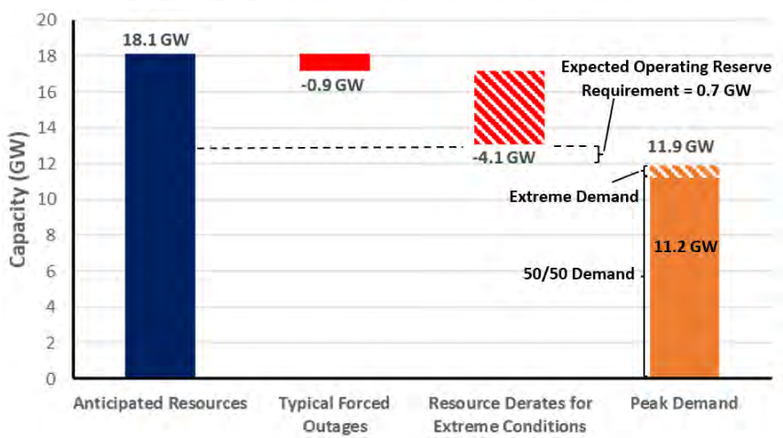
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

WECC-Southwest

WECC-Southwest is a summer-peaking assessment area in the Western Interconnection that includes all of Arizona and New Mexico, most of Nevada, and small parts of California and Texas. The area has a population of approximately 13.6 million. It has 23,084 miles of transmission. WECC is responsible for coordinating and promoting BES reliability in the Western Interconnection. WECC's 329 members include 40 BAs, representing a wide spectrum of organizations with an interest in the BES. Serving an area of nearly 1.8 million square miles and more than 84.5 million customers, it is geographically the largest and most diverse Regional Entity. *Note The 2025–26 WRA includes a new assessment area map for the U.S. Western Interconnection. The new assessment area boundaries provide more geographic detail of reliability risk information. WECC-Basin is a new assessment area in 2025 that was part of WECC-NW in the 2024–25 WRA.*

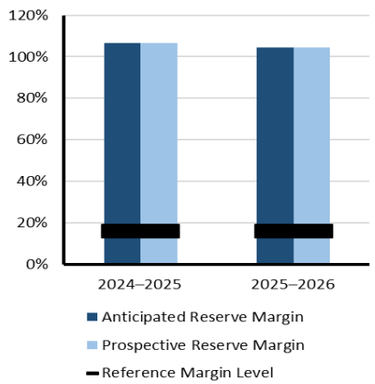
Highlights

- The Southwest is anticipated to be resource adequate under all winter expected and extreme energy availability and demand scenarios before imports.
- Total internal demand is expected to be up 1.5% and net internal demand up 2.3% since last winter. The primary drivers for load growth are data centers and industrial and residential electrification. Controllable and dispatchable demand response is down nearly half, by 163 MW.
- Planned Tier 1 resources are down over 19% as some have moved into existing certain, which is up almost 3%, over 1 GW, and other projects have experienced delays.
- Wind nameplate is up 12%, 470 MW, correlating to on-peak energy availability from wind increasing almost 11%, by 114 MW, while solar nameplate is up 27% or over 2.5 GW.

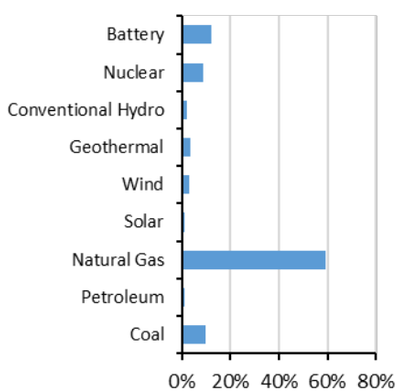
Risk Scenario Summary

Expected resources meet operating reserve requirements under assessed scenarios.

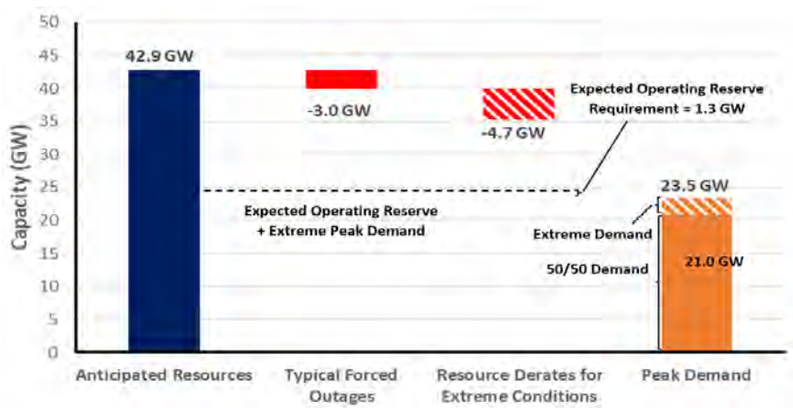
On-Peak Reserve Margin



On-Peak Resource Mix



2025–2026 Winter Risk Period Scenario



Scenario Description (See Data Concepts and Assumptions)

Risk Period: Highest risk for unserved energy is on the peak demand hour

Demand Scenarios: Net internal demand is the expected (50th percentile) peak and the 90th percentile of peak demand is the extreme forecast

Typical Forced Outages: Calculated using historical GADS

Resource Derates for Extreme Conditions: Thermal, wind, and solar are based on the hourly energy availability curves' probability distributions' 10th percentiles for the risk period

Data Concepts and Assumptions

The table below explains data concepts and important assumptions used throughout this assessment.

General Assumptions
• Reliability of the interconnected BPS is comprised of both adequacy and operating reliability:
▪ Adequacy is the ability of the electric system to supply the aggregate electric power and energy requirements of the electricity consumers at all times while taking into account scheduled and reasonably expected unscheduled outages of system components.
▪ Operating reliability is the ability of the electric system to withstand sudden disturbances, such as electric short-circuits or unanticipated loss of system components.
• The reserve margin calculation is an important industry planning metric used to examine future resource adequacy.
• All data in this assessment is based on existing federal, state, and provincial laws and regulations.
• Differences in data collection periods for each assessment area should be considered when comparing demand and capacity data between year-to-year seasonal assessments.
• A positive net transfer capability would indicate a net importing assessment area; a negative value would indicate a net exporter.
Demand Assumptions
• Electricity demand projections, or load forecasts, are provided by each assessment area.
• Load forecasts include peak hourly load[11] or total internal demand for the summer and winter of each year.[12]
• Total internal demand projections are based on normal weather (50/50 distribution)[13] and are provided on a coincident[14] basis for most assessment areas.
• Net internal demand is used in all reserve margin calculations, and it is equal to total internal demand then reduced by the amount of controllable and dispatchable demand response projected to be available during the peak hour.
Resource Assumptions
Resource planning methods vary throughout the North American BPS. NERC uses the categories below to provide a consistent approach for collecting and presenting resource adequacy. Because the electrical output of variable energy resources (VER) (e.g., wind, solar PV) depends on weather conditions, their contribution to reserve margins and other on-peak resource adequacy analysis is less than their nameplate capacity.
Anticipated Resources: • **Existing-Certain Capacity**: Included in this category are commercially operable generating units or portions of generating units that meet at least one of the following requirements when examining the period of peak demand for the summer season: unit must have a firm capability and have a power purchase agreement with firm transmission that must be in effect for the unit; unit must be classified as a designated network resource; and/or, where energy-only markets exist, unit must be a designated market resource eligible to bid into the market. • **Tier 1 Capacity Additions**: This category includes capacity that either is under construction or has received approved planning requirements. • **Net Firm Capacity Transfers (Imports minus Exports)**: This category includes transfers with firm contracts.
Prospective Resources: Includes all anticipated resources plus the following: **Existing-Other Capacity**: Included in this category are commercially operable generating units or portions of generating units that could be available to serve load for the period of peak demand for the season but do not meet the requirements of existing-certain.

[11] https://www.nerc.com/pa/Stand/Glossary%20of%20Terms/Glossary_of_Terms.pdf used in NERC Reliability Standards

[12] The summer season represents June–September and the winter season represents December–February.

[13] Essentially, this means that there is a 50% probability that actual demand will be higher and a 50% probability that actual demand will be lower than the value provided for a given season/year.

[14] Coincident: This is the sum of two or more peak loads that occur in the same hour. Noncoincident: This is the sum of two or more peak loads on individual systems that do not occur in the same time interval; this is meaningful only when considering loads within a limited period of time, such as a day, a week, a month, a heating or cooling season, and usually for not more than one year. SERC calculates total internal demand on a noncoincidental basis.

Reserve Margin Descriptions

Planning Reserve Margin: This is the primary metric used to measure resource adequacy; it is defined as the difference in resources (anticipated or prospective) and net internal demand then divided by net internal demand and shown as a percentage.

Reference Margin Level: The assumptions and naming convention of this metric vary by assessment area. The RML can be determined using both deterministic and probabilistic (based on a 0.1/year loss-of-load study) approaches. In both cases, this metric is used by system planners to quantify the amount of reserve capacity in the system above the forecasted peak demand that is needed to ensure sufficient supply to meet peak loads. Establishing an RML is necessary to account for long-term factors of uncertainty involved in system planning, such as unexpected generator outages and extreme weather impacts that could lead to increase demand beyond what was projected in the 50/50 load forecasted. In many assessment areas, an RML is established by a state, provincial authority, ISO/Regional Transmission Organization (RTO), or other regulatory body. In some cases, the RML is a requirement. RMLs may be different for the summer and winter seasons. If an RML is not provided by an assessment area, NERC applies 15% for predominantly thermal systems and 10% for predominantly hydro systems.

Seasonal Risk Scenario Chart Description

Each assessment area performed an operational risk analysis that was used to produce the seasonal risk scenario charts in the **Regional Assessments Dashboards**. The chart presents deterministic scenarios for further analysis of different resource and demand levels: The left blue column shows anticipated resources, and the two orange columns at the right show the two demand scenarios of the normal peak net internal demand and the extreme summer peak demand—both determined by the assessment area. The middle red or green bars show adjustments that are applied cumulatively to the anticipated resources, such as the following:

- Reductions for typical generation outages (i.e., maintenance and forced outages that are not already accounted for in anticipated resources)
- Reductions that represent additional outage or performance derating by resource type for extreme, low-probability conditions (e.g., drought condition impacts on hydroelectric generation, low-wind scenario affecting wind generation, fuel supply limitations, or extreme temperature conditions that result in reduced thermal generation output)
- Additional capacity resources that represent quantified capacity from operational procedures, if any, that are made available during scarcity conditions

Not all assessment areas have the same categories of adjustments to anticipated resources. Furthermore, each assessment area determined the adjustments to capacity based on methods or assumptions that are summarized below the chart. Methods and assumptions differ by assessment area and may not be comparable.

The chart enables evaluation of resource levels against levels of expected operating reserve requirement and the forecasted demand. Furthermore, the effects from extreme events can also be examined by comparing resource levels after applying extreme scenario derates and/or extreme summer peak demand.

Resource Adequacy

The ARM, which is based on available resource capacity, is a metric used to evaluate resource adequacy by comparing the projected capability of anticipated resources to serve forecast peak demand.[15] Large year-to-year changes in anticipated resources or forecast peak demand (net internal demand) can greatly impact Planning Reserve Margin calculations. NPCC-Maritimes marginally does not meet its RML for the upcoming winter. Other than NPCC-Maritimes, all assessment areas have sufficient ARMs to meet or exceed their RML for the 2025 winter as shown in **Figure 4**.

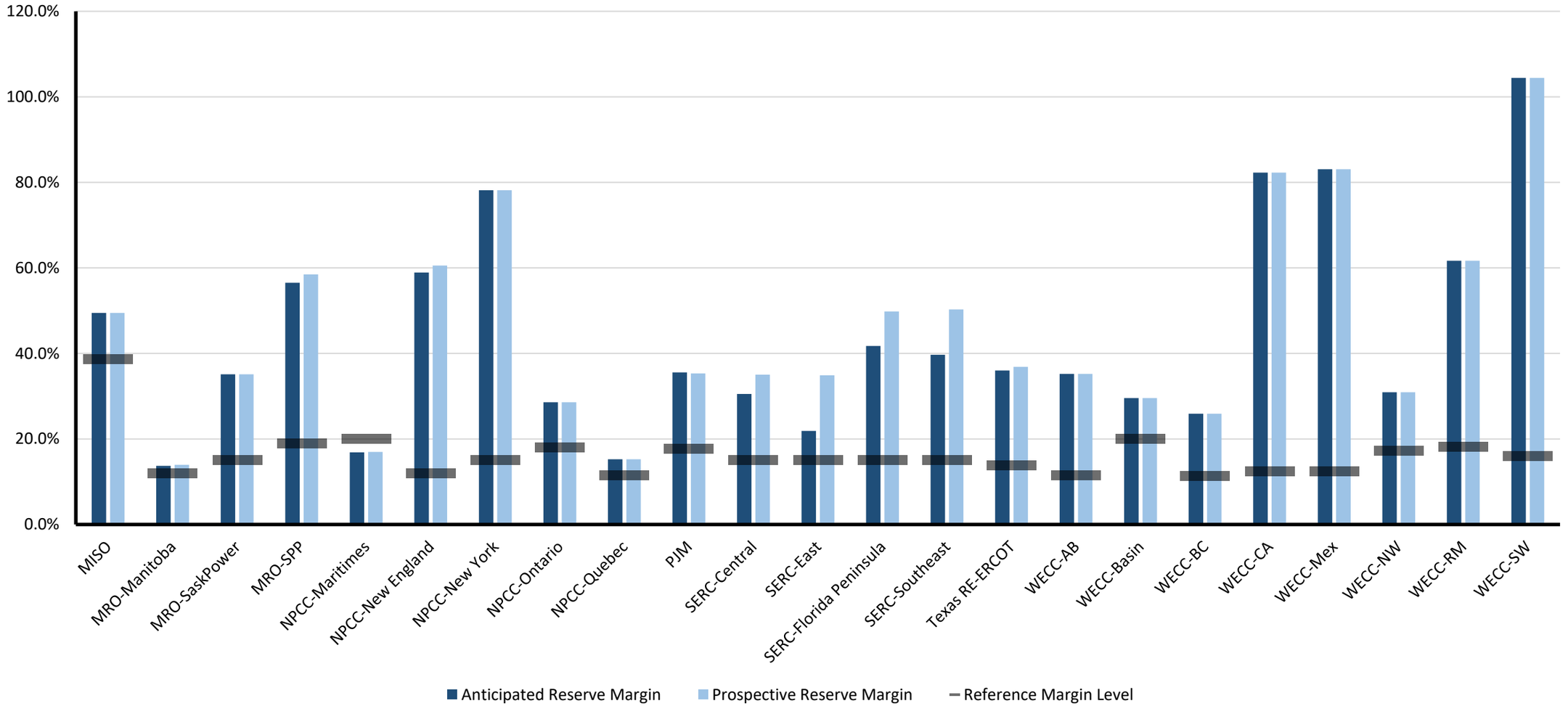


Figure 4: Winter 2025–2026 Anticipated/Prospective Reserve Margins Compared to Reference Margin Level

[15] Generally, anticipated resources include generators and firm capacity transfers that are expected to be available to serve load during electrical peak loads for the season. Prospective resources are those that could be available but do not meet criteria to be counted as anticipated resources. Refer to the **Data Concepts and Assumptions** section for additional information on Anticipated/Prospective Reserve Margins, anticipated/prospective resources, and RMLs.

Changes from Year-to-Year

Figure 5 provides the relative change in the forecast ARMs from the 2024–2025 Winter to the 2025–2026 Winter. All areas except NPCC-Maritimes remain above their RMLs for 2025–2026 Winter. The Canadian winter-peaking systems, which include MRO-Manitoba, MRO-SaskPower, NPCC-Maritimes, NPCC-Québec, WECC-Alberta, and WECC-British Columbia, may have reserve margins that are near RMLs but are unlikely to experience high outage rates from their winterized generators. Additional details are provided in the Data Concepts and Assumptions section.

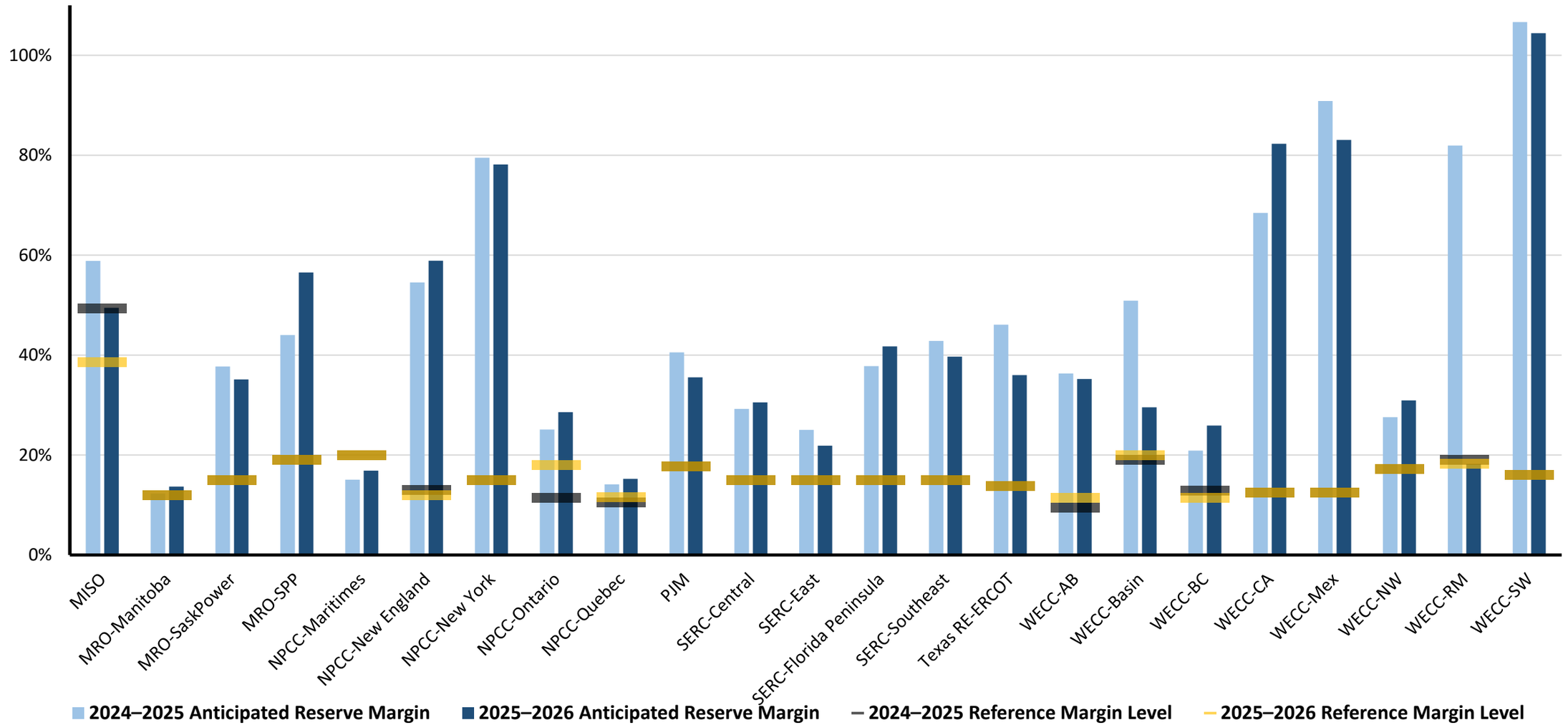


Figure 5: Winter 2024–2025 and Winter 2025–2026 Anticipated Reserve Margins Year-to-Year Change

Demand and Resource Tables

Peak demand and supply capacity data (i.e., resource adequacy data) for each assessment area are as follows in each table.

MISO			
Demand, Resource, and Reserve Margins	**2024–2025 WRA[16]**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	102,353	105,249	2.8%
Demand Response: Available	6,219	8,250	32.7%
Net Internal Demand	96,134	96,999	0.9%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	150,407	142,880	-5.0%
Tier 1 Planned Capacity	122	0	0.0%
Net Firm Capacity Transfers	2,310	2,113	-8.5%
Anticipated Resources	152,717	144,993	-5.1%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	152,839	144,993	-5.1%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	58.9%	49.5%	-9.4
Prospective Reserve Margin	59.0%	49.5%	-9.5
Reference Margin Level	49.4%	38.6%	-10.8

MRO-SPP			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	45,788	47,168	3.0%
Demand Response: Available	1,128	1,091	-3.3%
Net Internal Demand	45,926	46,077	0.3%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	67,252	71,074	5.7%
Tier 1 Planned Capacity	0	1087	0.0%
Net Firm Capacity Transfers	-1,116	-32	-97.1%
Anticipated Resources	66,136	72,129	9.1%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	66,090	73,029	10.5%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	44.0%	56.5%	12.5
Prospective Reserve Margin	43.9%	58.5%	14.6
Reference Margin Level	19.0%	19.0%	0.0

MRO-SaskPower			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	3,852	3,944	2.4%
Demand Response: Available	50	50	0.0%
Net Internal Demand	3,802	3,894	2.4%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	4,946	4,972	0.5%
Tier 1 Planned Capacity	0	0	0.0%
Net Firm Capacity Transfers	290	290	0.0%
Anticipated Resources	5,236	5,262	0.5%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	5,236	5,262	0.5%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	37.7%	35.1%	-2.6
Prospective Reserve Margin	37.7%	35.1%	-2.6
Reference Margin Level	15.0%	15.0%	0.0

MRO-Manitoba Hydro			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	4,814	4,903	1.8%
Demand Response: Available	0	0	0.0%
Net Internal Demand	4,814	4,903	1.8%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	5,924	5,688	-4.0%
Tier 1 Planned Capacity	10	0	-100.0%
Net Firm Capacity Transfers	-527	-113	-78.5%
Anticipated Resources	5,407	5,575	3.1%
Existing-Other Capacity	18	13	-26.8%
Prospective Resources	5,425	5,588	3.0%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	12.3%	13.7%	1.4
Prospective Reserve Margin	12.7%	14.0%	1.3
Reference Margin Level	12.0%	12.0%	0.0

[16] MISO-provided updated data post 2024-25 WRA publication.

NPCC-Maritimes			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	6,167	6,061	-1.7%
Demand Response: Available	259	248	-4.4%
Net Internal Demand	5,907	5,813	-1.6%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	6,647	6,704	0.9%
Tier 1 Planned Capacity	6	88	0.0%
Net Firm Capacity Transfers	145	1	-99.0%
Anticipated Resources	6,798	6,794	-0.1%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	6,798	6,800	0.0%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	15.1%	16.9%	1.8
Prospective Reserve Margin	15.1%	17.0%	1.9
Reference Margin Level	20.0%	20.0%	0.0

NPCC-New England			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	20,651	20,056	-2.9%
Demand Response: Available	343	440	28.2%
Net Internal Demand	20,308	19,616	-3.4%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	30,030	29,935	-0.3%
Tier 1 Planned Capacity	194	0	-100.0%
Net Firm Capacity Transfers	1,161	1,235	6.4%
Anticipated Resources	31,385	31,170	-0.7%
Existing-Other Capacity	306	322	5.2%
Prospective Resources	31,691	31,492	-0.6%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	54.5%	58.9%	4.4
Prospective Reserve Margin	56.1%	60.5%	4.5
Reference Margin Level	13.0%	12.0%	-1.0

NPCC-New York			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	23,800	24,200	1.7%
Demand Response: Available	802	1,027	28.1%
Net Internal Demand	22,998	23,173	0.8%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	40,522	40,080	-1.1%
Tier 1 Planned Capacity	0	0	0.0%
Net Firm Capacity Transfers	759	1,203	58.5%
Anticipated Resources	41,281	41,283	0.0%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	41,281	41,283	0.0%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	79.5%	78.2%	-1.3
Prospective Reserve Margin	79.5%	78.2%	-1.3
Reference Margin Level	15.0%	15.0%	0.0

NPCC-Ontario			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	21,898	22,013	0.7%
Demand Response: Available	915	868	-5.2%
Net Internal Demand	20,982	21,146	0.9%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	26,652	27,319	2.5%
Tier 1 Planned Capacity	0	294	#DIV/0!
Net Firm Capacity Transfers	-450	-420	-6.7%
Anticipated Resources	26,202	27,193	3.8%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	26,202	27,193	3.8%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	25.1%	28.6%	3.5
Prospective Reserve Margin	25.1%	28.6%	3.5
Reference Margin Level	11.5%	18.0%	6.5

NPCC-Québec			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	40,512	40,799	0.8%
Demand Response: Available	4,451	4,902	10.9%
Net Internal Demand	36,061	35,897	-0.4%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	41,560	41,698	0.3%
Tier 1 Planned Capacity	73	61	0.0%
Net Firm Capacity Transfers	-479	-390	-18.6%
Anticipated Resources	41,154	41,368	0.5%
Existing-Other Capacity	-479	0	0.0%
Prospective Resources	41,154	41,368	0.5%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	14.1%	15.2%	1.1
Prospective Reserve Margin	14.1%	15.2%	1.1
Reference Margin Level	10.5%	11.5%	1.0

PJM			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	136,328	140,827	3.3%
Demand Response: Available	5,616	5,998	6.8%
Net Internal Demand	130,712	134,829	3.1%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	179,216	178,335	-0.5%
Tier 1 Planned Capacity	0	0	0.0%
Net Firm Capacity Transfers	4,502	4,448	-1.2%
Anticipated Resources	183,718	182,783	-0.5%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	183,718	182,452	-0.7%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	40.6%	35.6%	-5.0
Prospective Reserve Margin	40.6%	35.3%	-5.2
Reference Margin Level	17.7%	17.7%	-12.3

SERC-Central			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	42,895	42,875	0.0%
Demand Response: Available	1,497	2,809	87.6%
Net Internal Demand	41,397	40,067	-3.2%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	51,578	50,454	-2.2%
Tier 1 Planned Capacity	0	0	0%
Net Firm Capacity Transfers	1,922	1,847	-3.9%
Anticipated Resources	53,500	52,301	-2.2%
Existing-Other Capacity	1,498	1,810	20.8%
Prospective Resources	54,998	54,111	-1.6%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	29.2%	30.5%	1.3
Prospective Reserve Margin	32.9%	35.1%	2.2
Reference Margin Level	15.0%	15.0%	0.0

SERC-East			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	45,005	45,703	1.6%
Demand Response: Available	982	888	-9.6%
Net Internal Demand	44,023	44,815	1.8%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	54,379	54,460	0.1%
Tier 1 Planned Capacity	72	11	-84.3%
Net Firm Capacity Transfers	593	150	-74.7%
Anticipated Resources	55,045	54,622	-0.8%
Existing-Other Capacity	5,209	5,832	12.0%
Prospective Resources	60,254	60,453	0.3%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	25.0%	21.9%	-3.2
Prospective Reserve Margin	36.9%	34.9%	-2.0
Reference Margin Level	15.0%	15.0%	0.0

SERC-Florida Peninsula			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	48,494	48,628	0.3%
Demand Response: Available	2,780	3,127	12.5%
Net Internal Demand	45,714	45,501	-0.5%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	62,579	63,502	1.5%
Tier 1 Planned Capacity	15	692	4510.0%
Net Firm Capacity Transfers	400	300	-25.0%
Anticipated Resources	62,994	64,494	2.4%
Existing-Other Capacity	3,673	3,671	0.0%
Prospective Resources	66,667	68,165	2.2%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	37.8%	41.7%	3.9
Prospective Reserve Margin	45.8%	49.8%	4.0
Reference Margin Level	15.0%	15.0%	0.0

SERC-Southeast			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	45,308	47,056	3.9%
Demand Response: Available	1,638	1,365	-16.7%
Net Internal Demand	43,670	45,691	4.6%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	62,805	63,339	0.9%
Tier 1 Planned Capacity	765	0	-100.0%
Net Firm Capacity Transfers	-1,192	489	-141.0%
Anticipated Resources	62,378	63,828	2.3%
Existing-Other Capacity	3,920	4,847	23.7%
Prospective Resources	66,298	68,675	3.6%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	42.8%	39.7%	-3.1
Prospective Reserve Margin	51.8%	50.3%	-1.5
Reference Margin Level	15.0%	15.0%	0.0

Texas RE-ERCOT			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	73,193	77,387	5.7%
Demand Response: Available	5,447	9,330	71.3%
Net Internal Demand	67,746	68,057	0.5%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	98,712	89,977	-8.8%
Tier 1 Planned Capacity	239	1351	464.9%
Net Firm Capacity Transfers	20	1,235	6075.0%
Anticipated Resources	98,971	92,562	-6.5%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	99,691	93,137	-6.6%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	46.1%	36.0%	-10.1
Prospective Reserve Margin	47.2%	36.9%	-10.3
Reference Margin Level	13.75%	13.8%	0.0

WECC-AB			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	12,280	12,411	1.1%
Demand Response: Available	0	0	0.0%
Net Internal Demand	12,280	12,411	1.1%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	13,535	16,658	23.1%
Tier 1 Planned Capacity	3206	124	-96.1%
Net Firm Capacity Transfers	0	0	0.0%
Anticipated Resources	16,740	16,782	0.3%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	16,740	16,782	0.3%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	36.3%	35.2%	-1.1
Prospective Reserve Margin	36.3%	35.2%	-1.1
Reference Margin Level	9.5%	11.5%	2.0

WECC-Basin			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	10,568	10,758	1.8%
Demand Response: Available	85	170	100.0%
Net Internal Demand	10,483	10,588	1.0%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	13,213	13,183	-0.2%
Tier 1 Planned Capacity	2,605	533	-79.5%
Net Firm Capacity Transfers	0	0	0%
Anticipated Resources	15,817	13,717	-13.3%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	15,817	13,717	-13.3%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	50.9%	29.6%	-21.3
Prospective Reserve Margin	50.9%	29.6%	-21.3
Reference Margin Level	19.0%	20.0%	1.0

WECC-CA			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	36,441	36,281	-0.4%
Demand Response: Available	743	666	-10.4%
Net Internal Demand	35,698	35,615	-0.2%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	55,380	57,923	4.6%
Tier 1 Planned Capacity	4,757	6,997	47.1%
Net Firm Capacity Transfers	0	0	0.0%
Anticipated Resources	60,138	64,920	8.0%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	60,138	65,920	8.0%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	68.5%	82.3%	13.8
Prospective Reserve Margin	68.5%	82.3%	13.8
Reference Margin Level	12.5%	12.5%	0.0

WECC-BC			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	11,966	11,936	-0.3%
Demand Response: Available	0	0	0.0%
Net Internal Demand	11,966	11,936	-0.3%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	13,870	14,389	3.7%
Tier 1 Planned Capacity	433	637	47.0%
Net Firm Capacity Transfers	164	0	-100.0%
Anticipated Resources	14,467	15,026	3.9%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	14,467	15,026	3.9%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	20.9%	25.9%	5.0
Prospective Reserve Margin	20.9%	25.9%	5.0
Reference Margin Level	12.8%	11.4%	-1.5

WECC-Mexico			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–2025 vs. 2025–2026**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	1,983	1,977	-0.3%
Demand Response: Available	0	0	0%
Net Internal Demand	1,983	1,977	-0.3%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	3,733	3,619	-3.0%
Tier 1 Planned Capacity	52	0	-100.0%
Net Firm Capacity Transfers	0	0	0%!
Anticipated Resources	3,784	3,619	-4.4%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	3,784	3,619	-4.4%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	90.8%	83.1%	-7.8
Prospective Reserve Margin	90.8%	83.1%	-7.8
Reference Margin Level	12.5%	12.5%	0

WECC-Northwest			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–25 vs. 2025–26**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	30,748	33,604	9.3%
Demand Response: Available	30	30	0.0%
Net Internal Demand	30,718	33,574	9.3%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	38,729	34,671	-10.5%
Tier 1 Planned Capacity	463	3,152	581.5%
Net Firm Capacity Transfers	0	6,136	100%!
Anticipated Resources	39,192	43,959	12.2%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	39,192	43,959	12.2%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	27.6%	30.9%	3.3
Prospective Reserve Margin	27.6%	30.9%	3.3
Reference Margin Level	17.2%	17.2%	0.0

WECC-Rocky Mountain			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–25 vs. 2025–26**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	10,481	11,501	9.7%
Demand Response: Available	282	285	1.1%
Net Internal Demand	10,199	11,216	10.0%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	18,356	17,768	-3.2%
Tier 1 Planned Capacity	199	366	84.3%
Net Firm Capacity Transfers	0	0	0%
Anticipated Resources	18,555	18,134	-2.3%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	18,555	18,134	-2.3%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	81.9%	61.7%	-20.3
Prospective Reserve Margin	81.9%	61.7%	-20.3
Reference Margin Level	19.0%	18.2%	-0.8

WECC-Southwest			
Demand, Resource, and Reserve Margins	**2024–2025 WRA**	**2025–2026 WRA**	**2024–25 vs. 2025–26**
Demand Projections	**MW**	**MW**	**Net Change (%)**
Total Internal Demand (50/50)	20,844	21,147	1.5%
Demand Response: Available	340	177	-47.9%
Net Internal Demand	20,504	20,970	2.3%
Resource Projections	**MW**	**MW**	**Net Change (%)**
Existing-Certain Capacity	38,991	40,135	2.9%
Tier 1 Planned Capacity	3,381	2,733	-19.2%
Net Firm Capacity Transfers	0	0	0.0%
Anticipated Resources	42,372	42,868	1.2%
Existing-Other Capacity	0	0	0.0%
Prospective Resources	42,372	42,868	1.2%
Reserve Margins	**Percent (%)**	**Percent (%)**	**Annual Difference**
Anticipated Reserve Margin	106.6%	104.4%	-2.2
Prospective Reserve Margin	106.6%	104.4%	-2.2
Reference Margin Level	16.0%	16.0%	0.0

Variable Energy Resource Contributions

Because the electrical output of VERs (e.g., wind, solar PV) depends on weather conditions, on-peak capacity contributions are less than nameplate capacity and may vary widely year to year based on the identified risk hour. In many areas, winter demand peaks in the early morning hours or early evening resulting in little or no electrical resource output from solar PV resources and wide variability in wind availability. The following table shows the capacity contribution of existing wind and solar PV resources at the identified risk hour for each assessment area. Resource contributions are also aggregated by Interconnection and across the entire BPS.

BPS Variable Energy Resources On-Peak Capacity Contributions by Assessment Area

	Wind			Solar			Hydro		
Assessment Area/Interconnection	Nameplate Wind (MW)	Expected Wind (MW)	Expected Share of Nameplate (%)	Nameplate Solar PV (MW)	Expected Solar (MW)	Expected Share of Nameplate (%)	Nameplate Hydro (MW)	Expected Hydro (MW)	Expected Share of Nameplate (%)
MISO	30,247	8,772	29%	13,726	686	5%	9,103	5,354	59%
MRO-Manitoba Hydro	259	52	20%	0	0	0%	6,288	5,676	90%
MRO-SaskPower	816	433	53%	30	0	13%	884	703	80%
MRO-SPP	35,714	7,198	20%	1,197	457	38%	5,602	5,521	99%
NPCC-Maritimes	1,635	241	15%	155	10	6%	1,357	1,283	0%
NPCC-New England	2,675	455	17%	3,620	0	0%	3,742	1,453	39%
NPCC-New York	2,586	737	29%	627	0	0%	6,357	5,283	83%
NPCC-Ontario	4,943	1,971	40%	478	0	0%	8,763	6,824	78%
NPCC-Québec	4,024	1,426	35%	10	0	0%	41,014	39,501	96%
PJM	13,318	5,463	41%	15,732	1	0%	8,134	7,900	97%
SERC-Central	1,324	370	28%	1,576	455	29%	4,991	4,027	81%
SERC-East	0	0	0%	7,068	1,792	25%	3,010	2,951	98%
SERC-Florida Peninsula	0	0	0%	12,058	2,151	18%	0	0	0%
SERC-Southeast	0	0	0%	8,670	4,461	51%	3,258	3,258	100%
Texas RE-ERCOT	40,629	7,833	19%	35,609	660	2%	579	566	98%
WECC-AB	5,712	1,919	34%	2,206	0	0%	1,788	570	32%
WECC-Basin	5,932	1,148	19%	3,853	62	2%	5,334	2,946	55%
WECC-BC	747	85	11%	17	0	0%	35,504	27,119	76%
WECC-CA	9,382	682	7%	28,328	0	0%	31,479	9,143	29%
WECC-Mex	40	4	11%	350	0	0%	0	0	0%
WECC-NW	14,744	1,319	9%	4,695	1,556	33%	65,830	37,005	56%
WECC-RM	5,681	2,265	40%	3,521	0	0%	6,502	2,654	41%
WECC-SW	4,303	1,182	27%	12,139	391	3%	6,234	1,896	30%
EASTERN INTERCONNECTION	93,517	25,692	27%	64,937	10,013	15%	61,489	50,233	82%
QUÉBEC INTERCONNECTION	4,024	1,426	35%	10	0	0%	41,014	39,501	96%
TEXAS INTERCONNECTION	40,629	7,833	19%	35,609	660	0%	579	566	98%
WECC INTERCONNECTION	46,541	8,605	19%	55,108	2,008	4%	152,671	81,333	53%
INTERCONNECTION TOTAL:	**184,711**	**43,556**	**23%**	**155,664**	**12,685**	**8%**	**255,753**	**171,633**	**67%**

Review of Winter 2024–2025 Capacity and Energy Performance

The meteorological winter across the contiguous United States had an average temperature of 34.1 degrees F—1.9 degrees above average—ranking in the warmest third of NOAA's historical record. Total winter precipitation in the US was 5.87 inches, 0.92 of an inch below average, ranking in the driest third of the December–February climate record.[17] Most of Canada experienced temperatures at least 2°C above the baseline average with the Maritime provinces, southern Ontario, and the Canadian west coast recording temperature departures nearer the baseline average while a small region in southern Saskatchewan recorded temperatures just slightly below the baseline average.[18]

In February 2025, FERC and NERC and its Regional Entities launched a joint review of the BPS' performance during the January 2025 arctic events, which comprised Winter Storms Blair, Cora, Demi, and Enzo.[19] The week of January 19–25, 2025 was the third coldest winter week (spanning Sunday through Saturday) across the United States since 2000. Between January 21 and 22, 2025, natural gas demand peaked at 150 Bcf/day, electric demand peaked at 683 GW, and unplanned outages peaked at 71,022 MW. Nevertheless, during the January 2025 arctic events, manual load shed was not required. The January 2025 arctic events had lower observed hourly wind chill temperatures in pockets of the Northeast, the Louisiana Gulf, California, and the Southwest compared to Winter Storms Uri, Elliott, Gerri, and Heather. During the January 2025 arctic events, the most extreme storm relative to typical weather was Winter Storm Enzo—a Gulf and Southern storm. On January 20, 2025, a burst of snow, sleet, and freezing rain developed across Texas and Louisiana late in the day. A mixture of sleet and freezing rain fell from Austin to San Antonio and to the southernmost point of Texas. By the early morning hours of January 21, 2025, for the first time in history, a blizzard warning was issued for southwest Louisiana and the southeastern-most point of Texas. Snow fell in Gulf cities in Texas, southern Mississippi, southern Alabama, and western Florida. On January 21, 2025, Baton Rouge recorded 7.6 inches of snowfall, making it the city's snowiest day since recordkeeping began in 1892, while New Orleans saw its snowiest day on record, with a total of 8.0 inches. Temperatures plunged to single digits in Louisiana. Temperatures in some parts of the state fell to levels not seen in more than 125 years.

The review team engaged with 10 electric entities across the Eastern and Texas Interconnections to gather the information necessary to provide a high-level overview of the BPS' performance during the cold weather events. Based on the data and interviews that the team reviewed, electric generators appear to have performed better during the January 2025 arctic events because of additional generator commitments, improved preparedness, increased situational awareness, and the implementation of lessons learned from previous extreme cold weather events and prior report recommendations. The natural gas system also performed better overall, serving record levels of natural gas demand and experiencing only minor production declines and short-duration force majeure events.

On October 1, 2025, NERC submitted to the Federal Energy Regulatory Commission its first *Cold Weather Data Annual Report*. This report includes a review of forced outage data from GADS for the winter 2024–2025 period indicating performance consistent with historical performance as reported in NERC's annual *State of Reliability* report. This is within the normal range of capacity that occurs across the fleet. During the Winter 2024–2025 period, the highest amount of capacity in a forced outage state for all reasons occurred on January 20, 2025, with 68,519 MW across all regions. The outages occurring over January 20, 2025, were analyzed as part of the joint FERC, NERC, and Regional Entity *2025 System Performance Review*. The joint FERC, NERC, and Regional Entity *2025 System Performance Review* found a reduction in peak coincident unplanned generator outages for the four 2025 winter storms reviewed compared to past winter storms; however, this review also noted that it was not an exact comparison due to prior winter storms having different characteristics.

Eastern Interconnection–Canada and Québec Interconnection

No EEAs were needed during the previous winter season. One entity plans to make a slight increase to the demand-response program based on last winter's operations.

[17] Despite Arctic air outbreaks, U.S. had warm, dry winter on average | National Oceanic and Atmospheric Administration
[18] Climate Trends and Variations Bulletin – Winter 2024/2025 - Canada.ca
[19] https://www.ferc.gov/media/report-january-2025-arctic-events-system-performance-review-ferc-nerc-and-its-regional

Eastern Interconnection–United States

Several entities indicated that generators performed better during the January 2025 arctic events than in previous winter storms. For example, TVA stated that generator performance within its footprint was stable, with minimal natural gas delivery issues. Southeastern RC detailed that no major fuel-related outages occurred. FRCC noted that generator performance was strong during this period. The significant characteristics of Winter Storm Enzo in the Southern and Gulf states were freezing precipitation and snow accumulation, especially in regions where those conditions rarely occur. In FRCC, only the northern portion of Florida experienced severe arctic weather including freezing precipitation and snowfall (record-setting, in some cities) that were abnormal for the region even though certain northern cities have faced cold temperatures in the past. In Florida, entities experienced energy emergencies caused by extended generation outages from hurricanes Milton and Helene, compounded by unusually high loads from cold weather. Entities were able to serve native load and firm delivery obligations, though non-firm sales were curtailed during certain events. ISO-NE, NYISO, and PJM all generally described the January 2025 arctic events as having cold temperatures but overall weather conditions that were similar to a winter without a major storm.

MISO emerged from Winter 2024–2025 without turning to emergency procedures despite the wide-ranging winter storms from January 6 to 9 and again from January 20 to 22. Generators continue to prioritize scheduling planned or maintenance outages to the shoulder seasons of fall and spring to maximize unit availability for the winter season. Also, extreme cold weather outage adders were added to the LOLE model to make sure that winter storm risks are included in planning. In PJM, demand reached a new all-time winter peak on January 22, 2025, of 143,714 MW with sufficient reserves. PJM did call an EEA1 on January 22, 2025, however reserves remained adequate. PJM had less than 3% load forecast error over the peak days of the January cold weather events. Reliability cases were conducted, and units with extended start times were evaluated and started early to ensure units were on-line before extreme cold weather settled in. PJM had a 9.24% forced outage rate on the peak day, a relatively low forced outage rate for the weather experienced. There were also very few gas production problems; however, market issues prevented proper scheduling because of the four-day holiday weekend.

In SERC-Central, entities reported only limited impacts from Winter 2024–2025 coldest weather and made minor adjustments. One entity declared conservative operations ahead of peak conditions but experienced no emergencies. One entity raised its winter Planning Reserve Margin target to 26% following lessons learned from Winter Storm Elliott. Corrective actions were implemented due to isolated equipment issues, including improved heat trace capabilities and adding heat trace equipment to the cold weather critical component list. During the previous winter season, some SERC-Florida Peninsula entities experienced energy emergencies caused by extended generation outages from hurricanes Milton and Helene, compounded by unusually high loads from cold weather. Despite these challenges, entities were able to serve native load and firm delivery obligations, though non-firm sales were curtailed during certain events.

Texas Interconnection–ERCOT

There were no energy emergencies for the Texas RE-ERCOT region last winter and no conditions that prompted changes in operating procedures. Winter Storm Kingston, which occurred in February 2025, was the only storm where ERCOT utilized firm fuel supply service resources (FFSS), a firm-fuel product that provides additional grid reliability and resiliency during extreme cold weather and compensates generation resources that meet a higher resiliency standard. A maximum FFSS deployment of 470 MW occurred on February 19 between the hours 13:10 and 17:02. Two other storms, Enzo and Cora, impacted ERCOT in January 2025, but these storms did not cause any system reliability issues.

Western Interconnection

Between January 11 and 17, 2024, a prolonged Arctic outbreak impacted British Columbia, Alberta, and the U.S. Pacific Northwest, driving record electricity demand and widespread reliability challenges. Four U.S. Northwest BAs and one Canadian BA declared energy emergencies, underscoring two core vulnerabilities: Inadequate capacity during evening peak hours (4 to 8 p.m.) and Insufficient fuel supply (limited hydro availability) across multiple days.

Although temperatures were comparable to the December 2022 cold snap, WECC-Northwest peak demand rose two percentage points to 6% over then, with BC Hydro and AESO both setting new all-time records. The U.S. Northwest relied heavily on imports—averaging 4,745 MW during peaks and 5,241 MW across all hours, mostly from the Southwest and Rockies. California remained a net importer, providing little relief. Market prices in the Northwest reached or neared caps across most hours, indicating persistent scarcity rather than short-term peaks. Overall, the January 2024 event illustrated capacity alone does not ensure resilience. Sustained energy availability with interregional flexibility (both physical and market-based) will be key to maintaining reliability through the 2025–2026 and future winter seasons.

2024–2025 Winter Demand and Generation Summary at Peak Demand											
Assessment Area	**Peak Demand Date**	**Peak Demand Hour**	**Demand[1] (MW)**	**WRA Peak Demand Scenarios[2] (MW)**	**Generation[1] (MWh)**	**Transfers[1] (MW)**	**Wind – Actual[1] (MWh)**	**Wind – Expected[3] (MW)**	**Solar – Actual[1] (MWh)**	**Solar – Expected[3] (MW)**	**Forced Outages Summary[4] (MW)**
MISO	Jan. 21	18:00	108,888*	96,134 100,395	101,655	-977	18,468	16,761	0	519	17,010
MRO-Manitoba Hydro	Jan. 20	08:00	5,132	4,814 5,060	5,292	-277	142	52	N/A	0	146
MRO-SaskPower	Dec. 18	18:00	3,785	3,802 3,897	3,641	-231	664	368	0	3	0
MRO-SPP	Feb. 20	08:00	47,981	45,926 47,054	40,898	-1,424	4,886	4,783	255	36	9,272
NPCC-Maritimes	Jan. 22	07:00	5,810	5,907 6,498	4,266	-1,174	368	261	3	5	*
NPCC-New England	Jan. 21	18:00	19,607	20,308 21,814	17,686	-1,896	285	329	4	23	624
NPCC-New York	Jan. 22	19:00	23,521	22,998 24,023	18,932	-4,589	654	728	0	0	4,835

2024–2025 Winter Demand and Generation Summary at Peak Demand											
Assessment Area	**Peak Demand Date**	**Peak Demand Hour**	**Demand[1] (MW)**	**WRA Peak Demand Scenarios[2] (MW)**	**Generation[1] (MWh)**	**Transfers[1] (MW)**	**Wind – Actual[1] (MWh)**	**Wind – Expected[3] (MW)**	**Solar – Actual[1] (MWh)**	**Solar – Expected[3] (MW)**	**Forced Outages Summary[4] (MW)**
NPCC-Ontario	Jan. 22	18:00	21,940	20,951 22,179	24,250	2,990	3,693	1,914	0	0	*
NPCC-Québec	Jan. 22	08:00	37,178	36,061 39,545	39,514	-766	1,463	1,449	0	0	*
PJM	Jan. 22	09:00	144,420	130,712 144,939	152,142	7,731	3,704	3,620	3,076	1	8,663
SERC-C	Jan. 22	08:00	47,815	41,397 47,062	40,898	-6,921	563	176	214	455	1,538
SERC-E	Jan. 23	08:00	47,130	44,023 47,662	41,810	-5,323	0	0	145	2,526	1,830
SERC-FP	Jan. 25	08:00	43,974	45,714 54,239	41,702	-557	0	0	362	1,684	2,824
SERC-SE	Jan. 22	08:00	46,490	43,670 45,116	48,227	1,741	0	0	592	3,861	2,210

2024–2025 Winter Demand and Generation Summary at Peak Demand											
Assessment Area	**Peak Demand Date**	**Peak Demand Hour**	**Demand[1] (MW)**	**WRA Peak Demand Scenarios[2] (MW)**	**Generation[1] (MWh)**	**Transfers[1] (MW)**	**Wind – Actual[1] (MWh)**	**Wind – Expected[3] (MW)**	**Solar – Actual[1] (MWh)**	**Solar – Expected[3] (MW)**	**Forced Outages Summary[4] (MW)**
TRE-ERCOT	Feb. 20	08:00	80,560	73,193[5] 90,405[5]	79,960	-191	9,397	15,697	1,586	15	5,742
WECC-AB	Dec. 18	17:00	12,241	12,280 12,635	12,711	-470	3,175	1,867	4	0	*
WECC-BC	Feb 3	18:00	11,359	11,996 12,749	11,415	44	70	279	0	0	839
WECC-CA/MX	Dec. 12	15:00	35,555	35,359 36,823	31,925	-4,669	4,021	569	11,547	0	1,627
WECC-NW	Feb. 12	08:00	54,278	58,001 62,230	48,437	-920	2,607	7,876	1,494	2,198	3,281
WECC-SW	Feb. 13	16:00	22,969	16,177 17,777	25,087	2,117	2,741	1,065	1,599	182	1,496
Highlighting Notes:			Actual peak demand in the highlighted areas met or exceeded extreme scenario levels				Actual wind output in highlighted areas was significantly below seasonal forecast.		Actual solar output in highlighted areas was significantly below seasonal forecast.		Actual forced outages above or below forecast by factor of two

2024–2025 Winter Demand and Generation Summary at Peak Demand											
Assessment Area	**Peak Demand Date**	**Peak Demand Hour**	**Demand[1] (MW)**	**WRA Peak Demand Scenarios[2] (MW)**	**Generation[1] (MWh)**	**Transfers[1] (MW)**	**Wind – Actual[1] (MWh)**	**Wind – Expected[3] (MW)**	**Solar – Actual[1] (MWh)**	**Solar – Expected[3] (MW)**	**Forced Outages Summary[4] (MW)**

Table Notes:
[1] Actual demand, wind, and solar values for the hour of peak demand in U.S. areas were obtained from EIA From 930 data. For areas in Canada, this data was provided to NERC by system operators and utilities.
[2] See NERC *2024–2025* WRA demand scenarios for each assessment area. Values are the normal winter peak demand forecast and an extreme peak demand forecast that represents a 90/10, or once-per-decade, peak demand. Some areas use other basis for extreme peak demand.
[3] Expected values of wind and solar resources from the *2024–2025 WRA*.
[4] Values from NERC Generator Availability Data System for the 2024–2025 winter hour of peak demand in each assessment area. Highlighted areas had actual forced outages that were more than twice the value for typical forced outage rates used in the 2024–2025 winter risk period scenarios in the *2024–2025 WRA*.
[5] Texas RE-ERCOT peak demand scenarios are obtained by adding expected demand response (5.4 GW for winter 2024-2025) to the demand scenarios found on p. 29 of the 2024-2025 WRA.
*Canadian assessment areas report to the NERC Generator Availability Data System on a voluntary basis, which can contribute to the absence of some values in certain assessment areas.

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 144

FERC Staff Winter Reliability Assessment

Winter Energy Market and Electric Reliability Assessment

2025-2026

A Staff Report to the Commission

November 20, 2025

FEDERAL ENERGY REGULATORY COMMISSION

Office of Technical Reporting and Economics

Office of Electric Reliability

This report is a product of the Federal Energy Regulatory Commission staff. This report does not necessarily reflect the views of the Commission or any Commissioner.

Preface

Slide 1

The 2025-2026 Winter Energy Market and Electric Reliability Assessment (Winter Assessment) provides Commission staff's outlook for this winter – December 2025 to February 2026. It focuses on energy markets and electric reliability. The report contains four main sections. The first summarizes the findings of the Winter Assessment. The second details the weather outlook for the upcoming winter. The third discusses notable considerations for the upcoming winter. The last section discusses energy market fundamentals, primarily natural gas and electricity supply and demand expectations.

The 2025-2026 Winter Assessment is a joint product from the Commission's Office of Technical Reporting and Economics and the Office of Electric Reliability.

Winter Outlook

Slide 2

Winter Outlook

- Slightly warmer conditions expected in the southern and eastern U.S.
- Natural gas prices 26% higher compared to previous winter despite increased production.
- Electricity demand growth supported by generation and transmission additions.
- Resources and operating reserves adequate in all NERC assessment areas for normal winter conditions.
  - Possible reliability challenges in ERCOT, NPCC-NE, SERC-Central, SERC-East, WECC-Basin, and WECC-NW in extreme winter conditions

Winter Outlook In Summary

This winter, slightly warmer temperatures are expected compared to last winter, potentially contributing to lower domestic natural gas and electricity demand. A prolonged cold weather event could still affect prices and availability of natural gas and electricity. Drought and elevated wildfire risk conditions are forecast to continue in multiple regions and could affect grid operating conditions and reliability.

Notwithstanding the forecasted slightly warmer temperatures, natural gas prices are expected to rise slightly compared to last winter. As of November 4, futures prices for the Henry Hub national benchmark averaged $4.39/Million British thermal units (MMBtu), 26% higher than winter 2024-2025 settled prices. Total U.S. natural gas demand is forecasted to exceed production this winter, as in previous winters, with the difference met by storage inventory withdrawals. While warmer weather could cause residential and commercial demand to decline, net exports are expected to continue their long-term growth trend. Natural gas storage inventories began the withdrawal season above the five-year average but marginally below the starting level of last winter, which was the highest since 2016. Overall natural gas storage inventories are forecasted to remain relatively robust throughout the winter.

Electricity markets will see generators add 56.1 GW of net winter capacity nationwide, compared to last winter, with 64.7 GW of new additions offset by 8.6 GW of retirements. Solar and batteries comprise 80% of new capacity additions, while coal and natural gas will

account for 88% of retired capacity. Winter electricity consumption is projected to be 2.7% above the five-year average, with total monthly consumption expected to peak in January at 352 TWh. If realized, the projected consumption for this winter (1,035 TWh) will represent the second-highest level of the past five years, second only to last winter's record of 1,041 TWh.

To support the grid, 3,132 new electric transmission projects totaling 19,008 miles of line will be available this winter. Of this total, 14,736 miles were placed in service between March and November 2025, with another 4,272 miles expected to be completed between December 2025 and February 2026. The primary drivers for these projects nationwide are storm and fire hardening (7,101 line-miles) and system reliability (4,238 line-miles), which together account for nearly 60% of all projected mileage. Other significant drivers include load growth (2,785 line-miles), asset renewal (2,738 line-miles), and generation interconnection (903 line-miles).

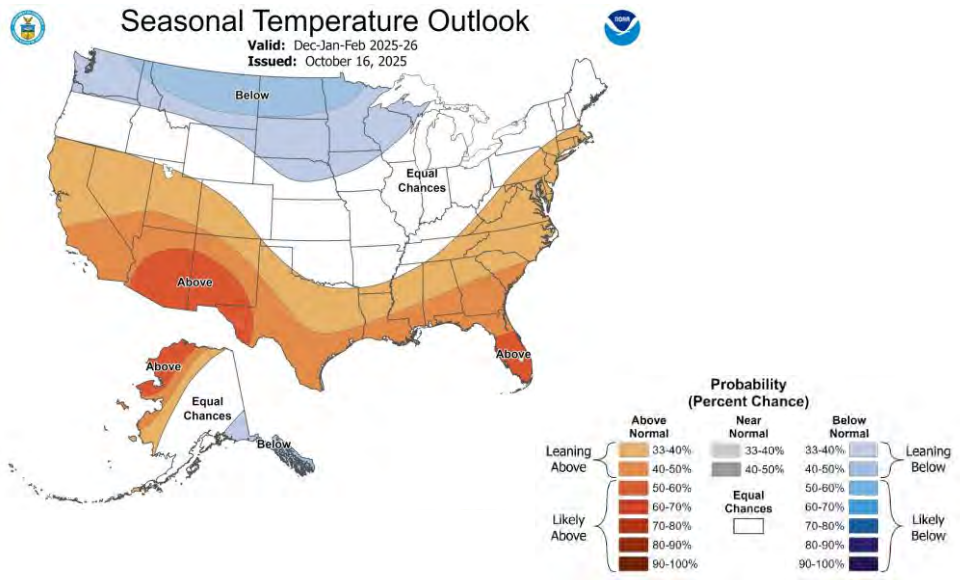
While the costs to produce electricity have remained relatively stable, in recent winters uplift payments have increased significantly during extreme weather or as a result of proactive operator actions taken to maintain reliability and continue to serve load.

Looking at the broader picture, all North American Electric Reliability Corp. (NERC) assessment areas are expected to have adequate generating resources to meet expected winter demand and operating reserve requirements under normal operating conditions. Under extreme weather conditions, the Electric Reliability Council of Texas (ERCOT), Northeast Power Coordinating Council-New England (NPCC-NE), SERC Reliability Corp.-Central (SERC-Central), SERC-East, Western Electricity Coordinating Council-Basin (WECC-Basin), and WECC-Northwest (WECC-NW) face a higher likelihood of tight generation availability, which may require operational mitigations to prevent potential reliability issues. However, NERC and the assessment areas have initiated various activities, such as readiness surveys of generators and facility inspections, to prepare for winter and increase the likelihood of their continued operation in the event of severe winter weather.

Weather

Slide 3

Milder than Average Temperatures Likely in Southern and Eastern United States



Weather Outlook

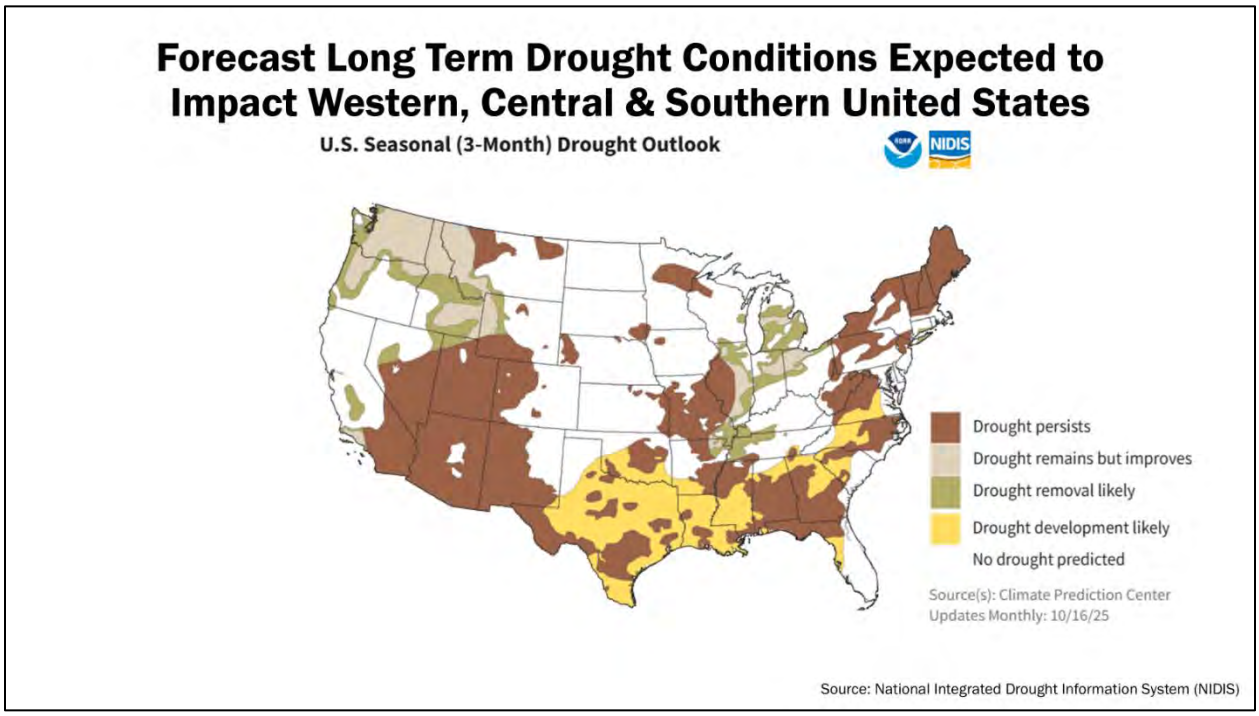
For the upcoming winter, the National Oceanic and Atmospheric Administration (NOAA) is predicting a weak La Niña phenomenon. La Niña refers to the large-scale, ocean-atmosphere climate phenomenon characterized by periodic cooling in sea-surface temperatures across the central and east-central equatorial Pacific. Based on the prediction, NOAA expects mildly wetter-than-average conditions in the northern Mountain West and Ohio River Valley regions and mildly drier-than-average conditions in the southern United States. As shown by the blue colors in the map on **Slide 3**, NOAA expects mildly colder-than-average temperatures in the Pacific Northwest and northern Midwest. The orange colors indicate mildly warmer-than-average temperatures along the East Coast, extending down through the South and West into the Desert Southwest and into California. The rest of the continental United States – shown in white – has equal chances of above or below average temperatures this winter. For its part, the U.S. Energy Information Administration (EIA) expects the population-weighted number of nationwide Heating Degree Days[1] in December, January, and February to decrease by 8% relative to last winter. This decrease reflects a slightly warmer winter nationwide.

[1] Heating Degree Days are a measure of how cold a location is on a given day or during a period of days. A Heating Degree Day compares the mean (the average of the high and low)

It is important to note that NOAA's long-range predictions are dynamic and may change as more data becomes available. Furthermore, extreme winter storms, such as polar vortexes, are difficult to predict far in advance and are typically forecasted much closer to the event dates.

outdoor temperatures recorded for a location to a standard temperature, 65° Fahrenheit (F) in the United States. The colder the temperature, the higher the number of heating degree days. Natural gas is sometimes traded in a "Winter Strip" between November and March, which may have a different HDD forecast trend due to the two additional months.

Slide 4



Weather – Drought Condition Impacts

Drought conditions, illustrated by the dark brown areas in the map on **Slide 4**, persist across much of the western and central United States and are expected to continue into winter. If below-average snowfall, runoff, or conditions similar to this past spring occur this winter, significant impacts to water supplies in multiple basins are possible. Based on the La Niña forecast and current conditions, drought persistence is likely in the Southwest. This puts water basins in the southwestern United States at an especially high risk of water shortage impacts in early to mid-2026. In the South-Central and eastern regions of the United States, drought development, shown in yellow, is expected. Finally, minimal drought improvement, shown in tan and green, in the Pacific Northwest is also forecast for this winter.[2]

This winter, these dry conditions in the West are expected to reduce output from a significant portion of hydroelectric resources in WECC, including those in the Colorado River and Yakima Basins. Output in the Pacific Northwest will also continue to be limited. In early fall, reservoir levels throughout the western United States dropped sharply because withdrawals occurred at a greatly accelerated rate. For example, withdrawals in Utah were at twice the

[2] NOAA, National Integrated Drought Information System, *The Western Drought Issue* (Sept. 3, 2025), https://www.drought.gov/news/western-drought-issue-2025-09-03.

typical rate and high withdrawals ended the water year[3] several weeks early in multiple irrigation districts in Washington state. If key headwaters do not receive above-average precipitation, it will not be possible to restore water supplies in the Pacific Northwest, Colorado and Great Basins to previous historical levels. The Colorado River Basin lost about 27.8 million acre-feet of groundwater between 2002-2024, roughly equal to the storage capacity of Lake Mead. As a result, water levels in Lake Powell are expected to fall into a lower balancing tier this winter, requiring reductions in output at the Glen Canyon Dam. Forecasts indicate that water levels could fall low enough to stop hydropower generation at the reservoir within the next year.[4] Impacts are also expected at downstream facilities, including at Hoover Dam, which is forecast to be in a Level 1[5] shortage condition this winter and fall to a Level 2[6] shortage by early spring 2026. This puts water basins in the southwestern United States at an especially high risk of water shortage impacts in early to mid-2026.

Also notable this winter, drought conditions are expected to continue in the central and southern United States. In the Mississippi River Basin, drought and extremely dry conditions have rapidly expanded due to above-average temperatures and low rainfall. As the region is entering what is typically a drier period, without significant and widespread rainfall, drought is expected to persist and expand across a significant portion of the Mississippi River Basin through December 31, 2025. For example, the Ohio River typically contributes 50% of the Mississippi River's flow. Recently, the Ohio River contribution fell to 8%.[7] These low water levels have impacted small hydroelectric facilities and restricted navigation, which could affect fuel transportation for some coal generators. Further downstream, low water levels on the Mississippi River may lead to the risk of saltwater intrusion and high-water temperatures, which could pose operational risks to thermal generators that use once-through-cooling

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[3] A water year is defined as October 1 to September 30 for surface water reports and water allocation planning.

[4] Bureau of Reclamation, *24-Month Study Inflow Scenarios* (Aug. 15, 2025), https://www.usbr.gov/uc/water/crsp/studies/images/PowellElevations.pdf.

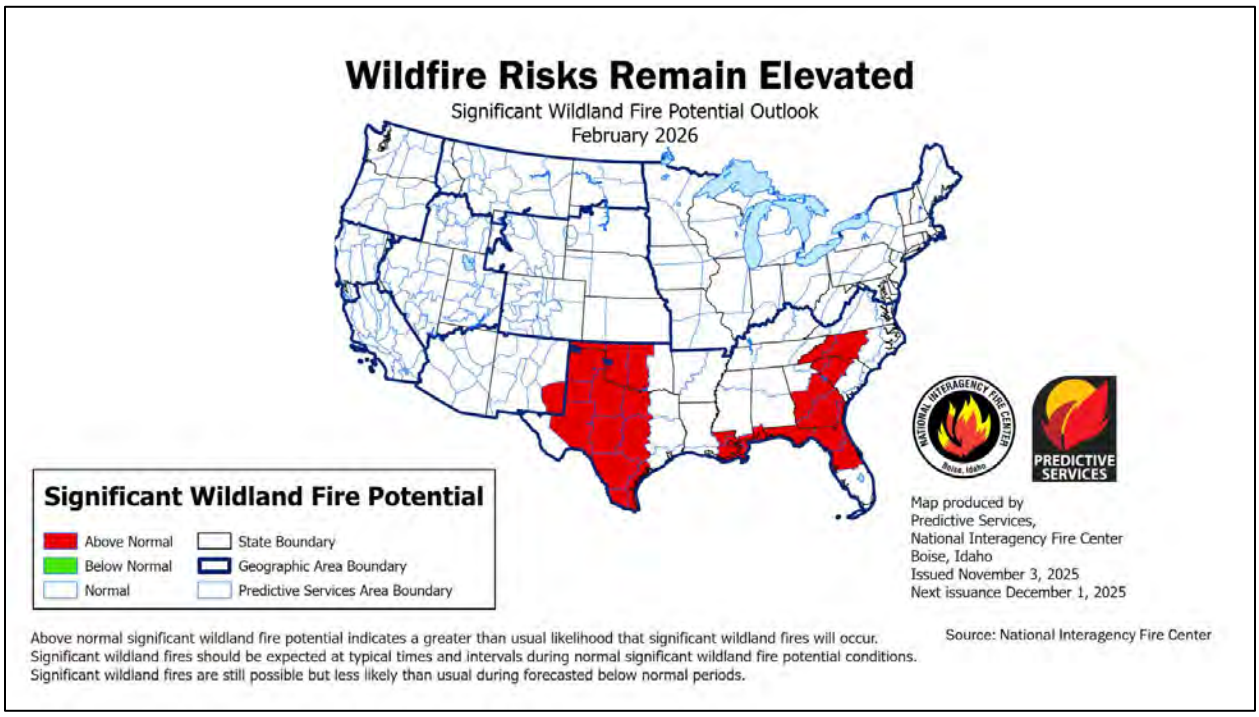
[5] A Level 1 Shortage Condition is triggered when Lake Meade's elevation falls below 1,075 ft. under the *2007 Interim Guidelines and the Lower Basin Drought Contingency Plan* and reduces total deliveries to 7.167 million-acre-feet.

[6] A Level 2 Shortage Condition is triggered when Lake Meade's elevation falls below 1,050 ft under the *2007 Interim Guidelines and the Lower Basin Drought Contingency Plan* and reduces total deliveries to 7.083 million-acre-feet.

[7] NOAA, National Integrated Drought Information System, *Drought and Water Update for the Mississippi River Basin* (Sept. 18, 2025), https://www.drought.gov/drought-status-updates/drought-and-water-update-mississippi-river-basin-2025-09-18.

equipment. While temperature and water level impacts are possible all along the river, salinity impacts are most likely for generators located in high-demand areas at the mouth of the river in southern Louisiana.

Slide 5



Weather – Wildfire Risk

Due to persistent high temperatures and a lack of rainfall in the western, central and southern United States, the risk of wildfires remains elevated in several states. Specifically, as indicated by the red areas on the map on **Slide 5**, risks remain elevated throughout Texas as well as in the Southeast from Louisiana to Florida and up through the Carolinas. These regions all experienced persistent drought, high temperatures, and dry conditions from late summer into fall. They experienced similar circumstances at the start of last winter.

This elevated wildfire risk can translate to significant infrastructure and operational risks for utilities. During dry conditions, utilities may temporarily turn off power to specific areas through a practice known as a public safety power shutoff. This is done to reduce the risk of electrical infrastructure starting a fire or to protect equipment from damage by nearby fires. While shutoffs have been used primarily in western states, they are now increasingly used in other regions to mitigate wildfire risk, including the central United States (South Dakota and Minnesota) and eastern states such as New Jersey. Wildfires can also cause significant electric transmission disruptions, potentially leading to extended outages due to damage to grid equipment or supporting infrastructure.

Notable Items

Slide 6

Notable Items

- Cold Weather Reliability Standards
  - Extreme Cold Weather Preparedness and Operations: EOP-012-3
  - Transmission System Planning Performance Requirements for Extreme Temperature Events: TPL-008-1
- Gas-Electric Coordination
  - Infrastructure vulnerabilities in key components
  - NPCC Northeast Gas/Electric System Study
  - ***Industries improving coordination; more progress still needed***
  - NAESB NOPR

Cold Weather Reliability Standards

As winter 2025-2026 approaches, NERC Reliability Standards for generator winterization plans are becoming enforceable, and new additional requirements will require generator owners and operators to implement plans to remain operational in extreme cold temperatures. This is a shift from the now-retired Reliability Standard EOP-012-2 (Extreme Cold Weather Preparedness and Operations),[8] which mandated that generator owners and operators develop and implement extreme cold weather preparedness plans by winter 2025-2026. Its successor, Reliability Standard EOP-012-3,[9] additionally requires existing generators to begin implementing their plans to operate at their calculated unit's Extreme Cold Weather

[8] The purpose of this Reliability Standard was to address the effects of operating in extreme cold weather by ensuring each Generator Owner has developed and implemented plan(s) to mitigate the reliability impacts of extreme cold weather on its applicable generating units. *Order Approving Extreme Cold Weather Reliability Standard EOP-012-2 and Directing Modification*, 187 FERC ¶ 61,204 (2024).

[9] *Order Approving Extreme Cold Weather Reliability Standard EOP-012-3 and Directing Data Collection*, 192 FERC ¶ 61,229, at PP 34-37 (2025).

Temperature by October 1, 2025.[10] The Commission directed NERC to collect and submit generator owners' cold weather temperature reports detailing readiness for extreme conditions every May 15 beginning in 2025.[11]

Separately, Reliability Standard TPL-008-1 (Transmission System Planning Performance Requirements for Extreme Temperature Events) was approved earlier this year, with a phased implementation to begin in April 2026. Under this requirement, Planning Coordinators, in conjunction with their Transmission Planners, must conduct an extreme temperature assessment at least once every five years. These assessments evaluate future Bulk Electric System performance during extreme heat and extreme cold benchmark temperature events. The assessments required by this standard address a known reliability issue in which extreme temperatures cause operational failures by identifying vulnerabilities before those operational failures occur.[12]

Together, these standards will begin to help grid planners and operators anticipate and withstand any severe weather disruptions during winter 2025-2026.

Gas-Electric Coordination

Gas-electric coordination remains a critical focus for ensuring reliability across the electric grid, particularly during extreme cold weather events that could occur between December 2025 and February 2026. However, electric utilities, regional transmission organizations (RTOs), independent system operators (ISOs), and NERC have also taken actions to prepare for potential natural gas scarcity conditions based on lessons learned from past winter storms.

Cold weather vulnerabilities of natural gas infrastructure further compound risks to electric reliability. Cold weather-sensitive components such as electric-powered compressor stations and unprotected wellheads remain susceptible to freezing, and electrical or mechanical failures

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[10] Extreme Cold Weather Temperature refers to the lowest 0.2 percentile of the hourly temperatures measured in December, January, and February from 1/1/2000 through the date the temperature is calculated; NERC, Questions and Answers: Cold Weather Generator Data Request (Accessed Oct. 10, 2025), https://www.nerc.com/pa/comp/ColdWeatherGenDataDL/NERC_Cold_Weather_1600_DR_FAQ.pdf#:~:text=Extreme%20Cold%20Weather%20Temperature%20-%20The%20temperature,through%20the%20date%20the%20temperature%20is%20calculated.

[11] NERC, Questions and Answers: Cold Weather Generator Data Request (Accessed Oct. 10, 2025), https://www.nerc.com/pa/comp/ColdWeatherGenDataDL/NERC_Cold_Weather_1600_DR_FAQ.pdf#:~:text=Extreme%20Cold%20Weather%20Temperature%20-%20The%20temperature,through%20the%20date%20the%20temperature%20is%20calculated.

[12] *North American Electric Reliability Corporation*, 190 FERC ¶ 61,099, at PP 4-8 (2025).

at these points can disrupt natural gas deliveries to generating units during critical periods. While vulnerabilities at the production, gathering, and processing stages fall outside the Commission's jurisdiction, these vulnerabilities underscore the need for continued improvements in equipment winterization efforts and operational coordination.[13]

A study conducted by the NPCC, released on January 21, 2025, evaluated gas supply and pipeline constraints across New York and New England under extreme winter conditions. The study concluded that natural gas infrastructure in these regions is fully, or nearly fully utilized, during modeled cold weather events and found that any gas-side contingency, such as a pipeline disruption or a prolonged cold snap that affects gas production, could significantly stress the electric and natural gas systems and threaten electric grid reliability.[14]

On a positive note, the natural gas and electric industries have improved their coordination. For example, the performance of the Virginia-Carolinas Reliability Coordinator (VACAR) South region during the January 2025 Arctic cold wave illustrated notable gas-electric coordination.[15] According to a joint FERC-NERC report, improved performance in regions, including VACAR South, were made possible by enhanced coordination between pipeline operators and electric grid and generator operators, including proactive issuance of Operational Flow Orders[16] and real-time situational awareness calls.[17] Additionally, the same report highlights how natural gas infrastructure, including wellheads, compressor stations, and local distribution systems experienced minimal disruptions despite record-breaking demand of over 150 billion cubic feet per day (Bcfd). This marked improvement over previous winter storms was attributed to widespread winterization efforts and planned use of natural gas

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[13] FERC, NERC, and its Regional Entities (a joint staff report), *January 2025 Events: A System Performance Review* (April 17, 2025), https://www.ferc.gov/media/report-january-2025-arctic-events-system-performance-review-ferc-nerc-and-its-regional.

[14] NPCC, *NPCC Northeast Gas/Electric System Study* (Jan. 3, 2025), https://www.npcc.org/news/npcc-northeast-gas-electric-system-study.

[15] VACAR is a division within the SERC Reliability Corporation that includes systems located in Virginia, North Carolina and South Carolina. VACAR South are the VACAR companies that are not located in the PJM BA area.

[16] An Operational Flow Order is a directive issued by a natural gas pipeline operator to maintain the operational integrity of the pipeline system during periods of imbalance. It typically occurs when forecasted pipeline inventory, either too high or too low, threatens system reliability.

[17] FERC, NERC, and its Regional Entities (a joint staff report), *January 2025 Arctic Events: A System Performance Review,* at 12 (April 17, 2025), https://www.ferc.gov/media/report-january-2025-arctic-events-system-performance-review-ferc-nerc-and-its-regional.

storage assets. The Mountain Valley Pipeline, which was placed into service in 2024, also played a pivotal role in maintaining electric reliability in VACAR South by sustaining stable pipeline pressure during peak demand. Additionally, some dual-fuel generators switched to alternate fuels to maintain gas system balance, while battery storage was used to alleviate stress on both the electric grid and pipelines during critical hours. Collectively, these actions demonstrate how targeted collaboration, infrastructure hardening, and flexible energy resources are beginning to close long-standing coordination gaps between the gas and electric sectors.[18]

To further strengthen gas-electric coordination, the North American Energy Standards Board (NAESB) Wholesale Gas Quadrant (WGQ) recently updated business practice standards collaboratively developed by NAESB's gas, electric, and retail working groups.[19] The Commission issued a proposed rule on October 16, 2025, that proposes to incorporate by reference into the Commission's regulations certain modifications and one new standard to Version 4.0 of the NAESB WGQ standards. These proposed modifications aim to improve transparency and situational awareness across the gas-electric interface by requiring interstate natural gas pipelines to publicly post scheduled quantity information for power plants directly connected to the pipeline grid, including their location, affiliated RTO/ISO, and total scheduled volumes.[20]

In summary, while infrastructure vulnerabilities continue to challenge gas-electric coordination, enhanced collaboration between the gas and electric industries along with improved winterization efforts have begun to close critical reliability gaps. As the natural gas

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[18] *Id.* at 2.

[19] The NAESB Wholesale Gas Quadrant Business Practice Standards Version 4.0 Revised were jointly developed on a consensus basis by NAESB's Wholesale Gas Quadrant, Wholesale Electric Quadrant, and the Retail Market Quadrant. The Wholesale Gas Quadrant includes the following five co-equal segments: Producers; Pipelines; Local Distribution Companies; End-users; and Services. The NAESB Wholesale Electric Quadrant includes the following seven co-equal segments: Transmission; Generation; Marketers/Brokers; Distribution/Load-Serving Entities; End Users; Independent Grid Operators/Planners; and Technology and Services providers. The NAESB Retail Market Quadrant includes: Retail Electric Service Providers/Suppliers; Retail Electric Utilities; Retail Electric End Users/Public Agencies; and Retail Gas Market Interests. For more information on the NAESB Quadrant Segments and Subsegments see: https://www.naesb.org/pdf/quadrant_description.pdf.

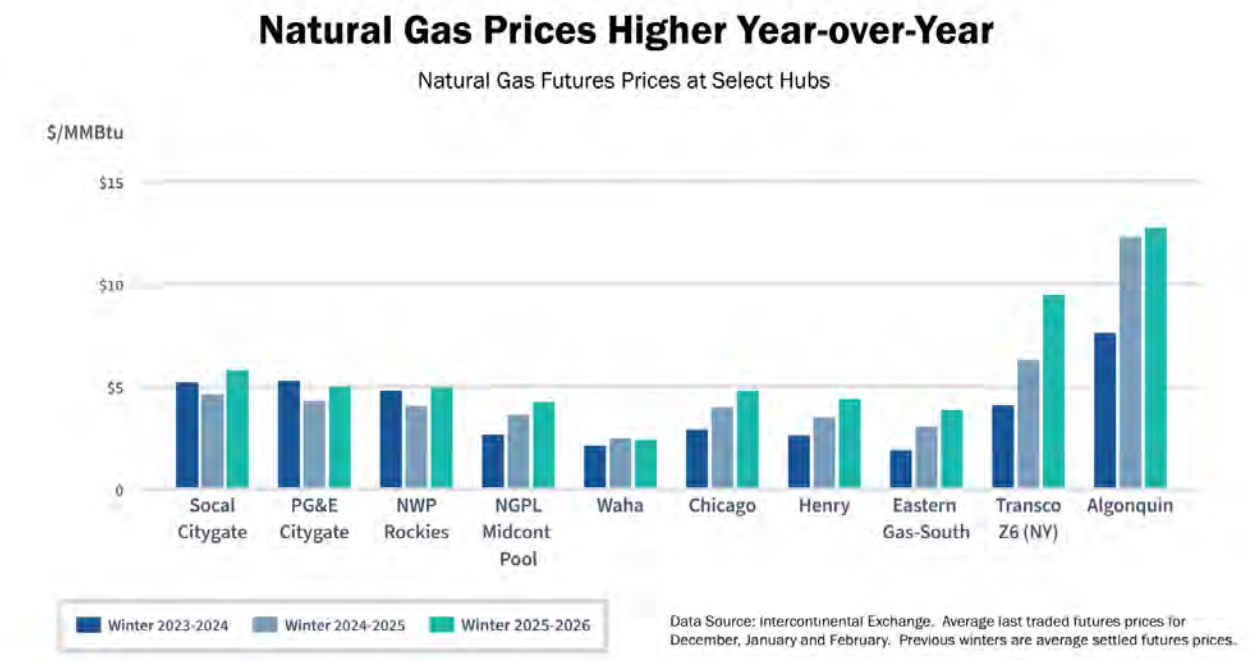
[20] *Standards for Business Practices of Interstate Natural Gas Pipelines*, Notice of Proposed Rulemaking, Docket No. RM96-1-044, (issued Oct 16, 2025).

and electric systems become more interdependent, sustained coordination between the two sectors will remain essential to safeguarding electric grid reliability.[21]

[21] For more on gas-electric coordination, see Chapter 3: Gas-Electric Interdependency, in FERC's *Energy Primer, a Handbook for Energy Market Basics,* http://www.ferc.gov/sites/default/files/2024-01/24_Energy-Markets-Primer_0117_DIGITAL_0.pdf.

Natural Gas Fundamentals

Slide 7



Natural Gas Prices

Natural gas futures provide expectations for natural gas prices at key hubs for the upcoming winter, as illustrated by the chart on **Slide 7**. The chart displays futures prices for three consecutive winters, with the light green bars representing futures prices for the upcoming winter (2025-2026) and the gray bars showing prices from last winter (2024-2025). In particular, natural gas futures in New England, New York, and California for winter 2025-2026 are currently trading higher than at other major hubs, and elevated natural gas demand is expected to drive prices higher on average across much of the United States. Heading into winter 2025-2026, higher natural gas futures prices at most major trading hubs across the United States are partly driven by rising futures prices at the Henry Hub national benchmark hub. **Slide 7** includes the Henry Hub, located in Louisiana, and nine other major supply and demand hubs in the Lower 48 States. As of November 4, Henry Hub futures averaged $4.39/MMBtu for this winter, up 26% from last winter's settled average of $3.49/MMBtu.[22]

[22] Natural gas futures prices are price quotations of contracts for the exchange of natural gas, as either a physical or financial settlement, at a specified time in the future. Winter futures prices in this section are the average quotes of the last traded futures contracts, as of November 4, 2025, for the winter months of December 2025, January 2026, and February

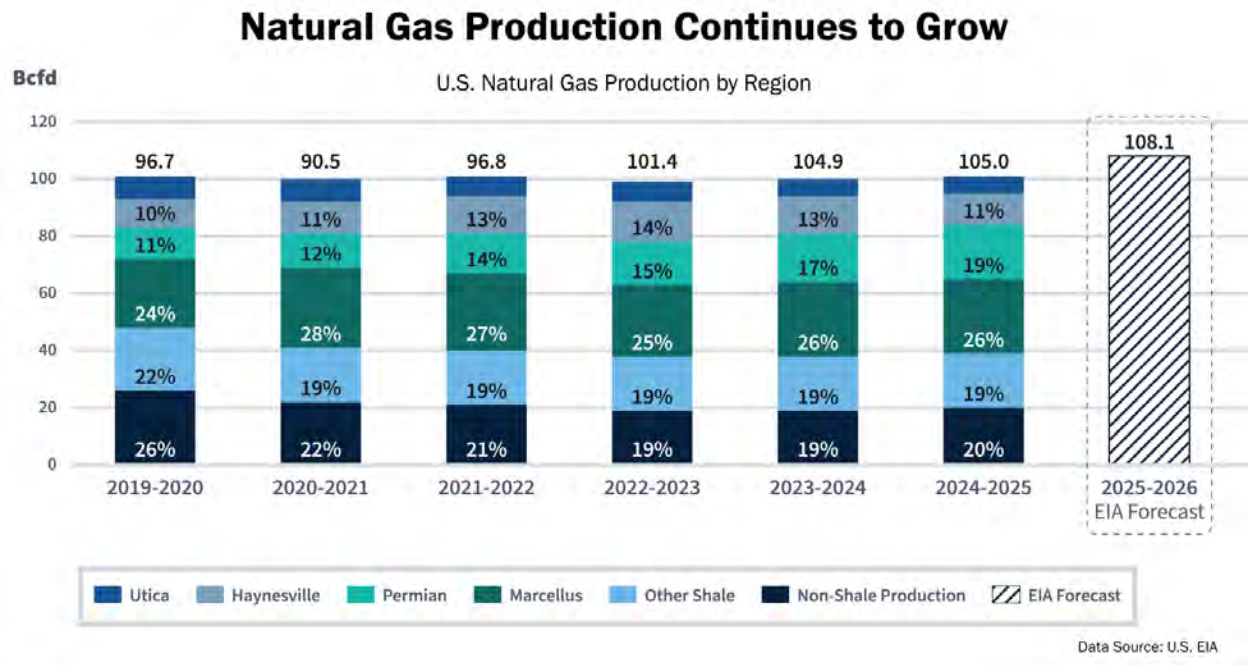
Rising demand for natural gas in the South-Central region, including from liquefied natural gas (LNG) export facilities, is contributing to higher commodity prices at Henry Hub, which operates as a benchmark for regional hub pricing.[23]

Consistent with previous winters, natural gas futures in New England, New York, and California for winter 2025-2026 are currently trading higher than at other major hubs. As shown in **Slide 7**, the Algonquin Citygates hub near Boston could see the highest prices in the country, averaging $12.76/MMBtu, a slight increase of $0.47/MMBtu from last winter's average. New England relies on imported LNG in the winter to help meet peak natural gas demand, and the region continues to compete for LNG volumes with Europe and Asia. Additionally, storage inventories in the East are currently 3% below last year's level and slightly below the five-year average. New York's Transco Zone 6 futures prices averaged $9.48/MMBtu, above last winter's average of $6.30/MMBtu, as that hub may face supply constraints this winter. California natural gas futures prices averaged $5.80/MMBtu at the SoCal-Citygate hub in southern California and $5.01/MMBtu at the PG&E-Citygate in northern California, both above last winter's levels by an average of $0.94/MMBtu. Infrastructure constraints continue to keep California natural gas prices among the highest in the country, but high regional natural gas storage inventories should help moderate price volatility this winter.

2026 as retrieved from InterContinental Exchange, Inc. Previous winter averages are the final settled futures prices for each month as retrieved from InterContinental Exchange, Inc.

[23] Regional natural gas prices are calculated by adding the Henry Hub winter futures price to the winter basis futures prices at major trading hubs in the United States. Regional basis prices reflect, among other things, the distance from producing basins, availability of natural gas transportation, and local weather expectations for the coming winter.

Slide 8



Natural Gas Production

Domestic natural gas production indicates the market's ability to meet U.S. demand this winter. As of October 7, 2025, EIA forecasted winter 2025-2026 dry natural gas production to average 108.1 Bcfd.[24] This represents a 2.9% increase from the winter 2024-2025 average of 105.0 Bcfd and is 7.7% higher than the five-year average. As illustrated on **Slide 8,** this reflects a fifth year of consecutive growth in production since winter 2020-2021, when the COVID-19 pandemic reduced natural gas production and demand. The different colored segments within each bar break down the total production by region, illustrating how various shale plays contribute to the overall volume.

Although overall natural gas production is projected to increase this winter, lower oil prices will suppress a subset of the production known as "associated gas," which is gas produced

[24] "Natural gas production" refers to dry production, or gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. The term includes all quantities of gas used in field and processing plant operations.

through drilling activity in oil-rich basins.[25] Lower crude oil prices typically dampen drilling activity in such basins and—because their output is linked—reduce production of both oil and gas.[26] As of August 2025, there were 538 oil and natural gas rigs in operation, about 7% below the same time last year.

Over the past five winters, total U.S. dry gas production increased by at least 14.5 Bcfd in aggregate although occasional freeze-offs (freezing of oil and gas wells and pipes) reduced gas output during winter events, particularly Winter Storm Uri (2021), Winter Storm Elliott (2022), Winter Storm Heather/Gerri (2024), and the winter storms of January 2025. To prevent potential loss of production, the upstream natural gas sector has ramped up winter preparedness and equipment winterization efforts.[27] While winter storms are not directly comparable, operators reported fewer issues in winter 2024-2025, when Northeast natural gas production dropped only approximately 2 Bcfd, compared to 11 Bcfd that came off-line during Winter Storm Elliott two years earlier.[28] During the January 21-22, 2025 winter storm, the U.S. natural gas system mitigated reduced production from freeze-offs and unplanned outages and supported a record-setting peak domestic demand of 150 Bcfd without requiring load shedding by electric utilities.[29]

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[25] EIA, *Short-Term Energy Outlook*, at 9 (Sept. 9, 2025), http://www.eia.gov/outlooks/steo/archives/sep25.pdf.

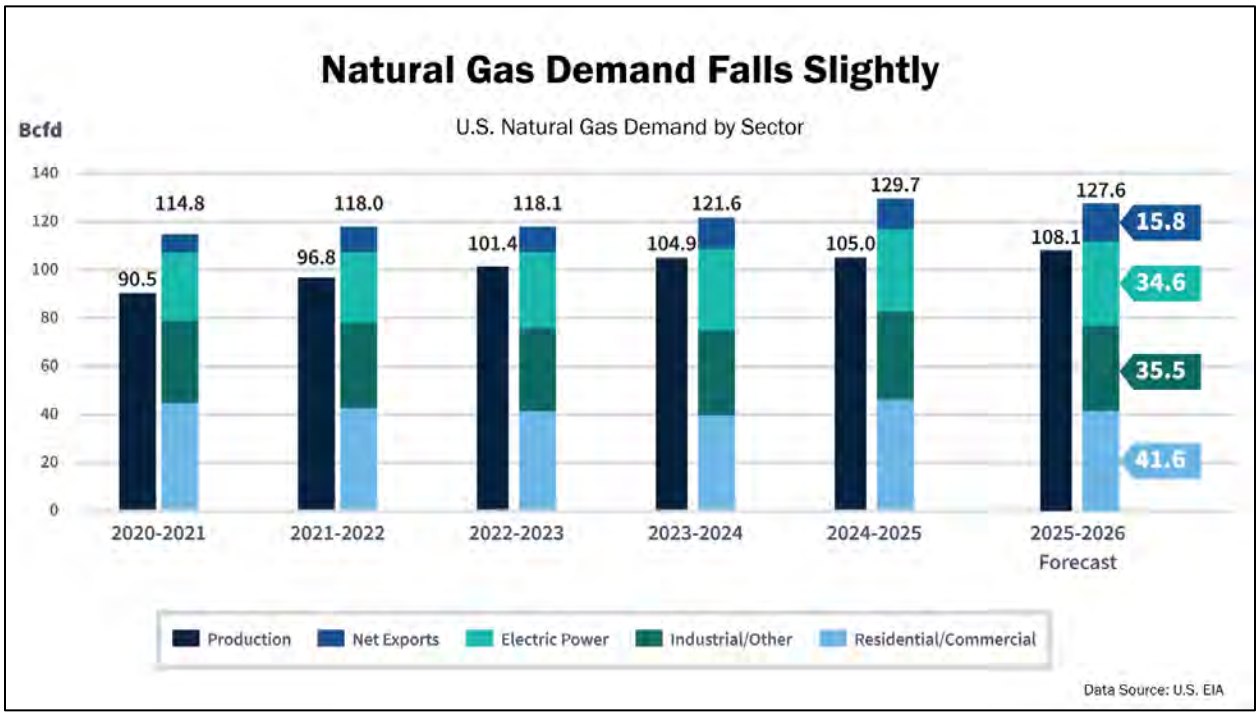
[26] Crude oil prices for West Texas Intermediate at the Cushing Interchange in Oklahoma, the U.S. crude oil benchmark, are expected to average $48.33 per barrel, 32.7% lower than the five-year average and 33.3% lower than the average winter 2024-2025 price of $72.46 per barrel. *See* EIA, *Short-Term Energy Outlook* (Sept. 9, 2025), https://www.eia.gov/outlooks/steo/data/browser/.

[27] American Gas Association, *Special Edition: Natural Gas Market Indicators – January 9, 2025* (Jan. 9, 2025), https://www.aga.org/research-policy/resource-library/special-edition-natural-gas-market-indicators-january-9-2025/.

[28] PJM Operating Committee, *Cold Weather Operations January 18–23, 2025,* at 22 (Feb. 6, 2025), https://www.pjm.com/-/media/DotCom/committees-groups/committees/oc/2025/20250306/20250306-item-15---january-2025-cold-weather-update.pdf.

[29] FERC, NERC and its Regional Entities (a joint staff report), *January 2025 Arctic Events: A System Performance Review,* at 1 (April 17, 2025). https://www.ferc.gov/media/report-january-2025-arctic-events-system-performance-review-ferc-nerc-and-its-regional.

Slide 9



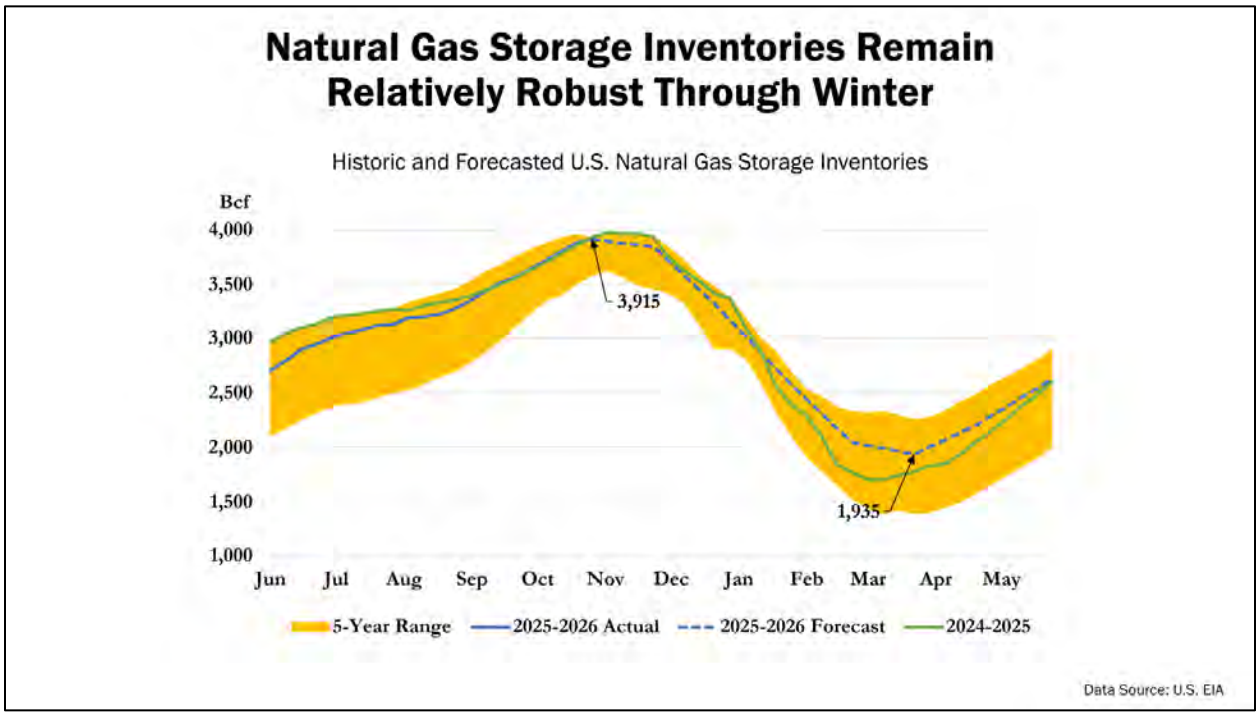
Natural Gas Demand

Total U.S. natural gas demand, represented by a core set of demand drivers, indicates the market need for natural gas this winter, as shown in the chart on **Slide 9**. Natural gas demand is forecasted to average 127.6 Bcfd in winter 2025-2026, 1.6% lower than the 129.7 Bcfd in winter 2024-2025. As the chart illustrates, total U.S. demand, represented by the height of the stacked bars, has grown over the last several years. Forecasted demand for winter 2025-2026 remains higher than the previous five-winter average by 5.6%. The different colored segments of each bar break down total demand into its components: residential, commercial, and industrial demand; natural gas consumed for electricity generation (power burn); and net exports. Total U.S. domestic natural gas consumption, which excludes net exports, is expected to average 111.7 Bcfd in winter 2025-2026, a decrease of 4.6% from winter 2024-2025 levels and a 2.1% increase from the previous five-winter average. Exports are discussed in greater detail in the *Natural Gas Exports and Imports* section below.

The light blue segment of the bar represents the residential and commercial sector, which is forecasted to comprise a 32.6% share of total U.S. domestic demand mostly for winter space heating. EIA forecasts the residential and commercial sector to consume 41.6 Bcfd, a decrease of 10.2% from the notably high demand seen during winter 2024-2025 due to the January 2025 winter events. Lower residential and commercial demand usually reflects a warmer winter, resulting in lower demand for natural gas used for space heating. The light green portion of the bar represents power burn, which comprises 27.2% of domestic demand and is expected to remain relatively flat compared to last winter, averaging 34.6 Bcfd in winter

2025-2026. Natural gas-fired generation is forecasted to provide 38.6% of total U.S. electricity generation output in winter 2025-2026, nearly the same as the 38.3% share in winter 2024-2025, but slightly higher than the previous five-winter average of 37.6%.

Slide 10



Natural Gas Storage Inventories

Natural gas storage inventories help to balance natural gas supply and demand and thus are fundamental to winter natural gas price formation. The chart on **Slide 10** illustrates the current storage forecast in the context of recent history. Traders and wholesale consumers watch storage inventories for signs of a supply and demand imbalance.[30] The solid and dashed blue lines on the chart tracks inventory levels for the current winter (2025-2026). The U.S. natural gas storage withdrawal season began in early November with 3,915 Bcf in working gas inventories. At the end of the withdrawal season on April 1, 2026, EIA currently forecasts 1,935 Bcf remaining in storage, as shown in **Slide 10**. The starting inventory level was above the five-year average of 3,811 Bcf but lower than the previous season (2024-2025) when the starting inventory level was the highest since 2016. The ending inventory level is expected to be slightly higher than the five-year average level and much above the previous withdrawal season's level (1,698 Bcf on March 6, 2025). EIA expects total withdrawals of approximately 1,980 Bcf throughout the 2025-2026 withdrawal season, 13% less than 2024-2025 winter withdrawals but 2.3% more than the previous five-winter average. As such, overall natural gas storage inventories are forecasted to remain relatively robust through winter.

Regionally, natural gas storage inventories in the East and Midwest are expected to start the winter withdrawal season approximately 3% below last year's level but just 1% below the five-

[30] U.S. natural gas storage inventory data listed in this section is for the Lower 48 states.

year average. The lower-than-average storage inventories in the East and Midwest are expected to be offset by storage levels higher than the previous five-winter average in the Mountain, Pacific, and South-Central regions.[31]

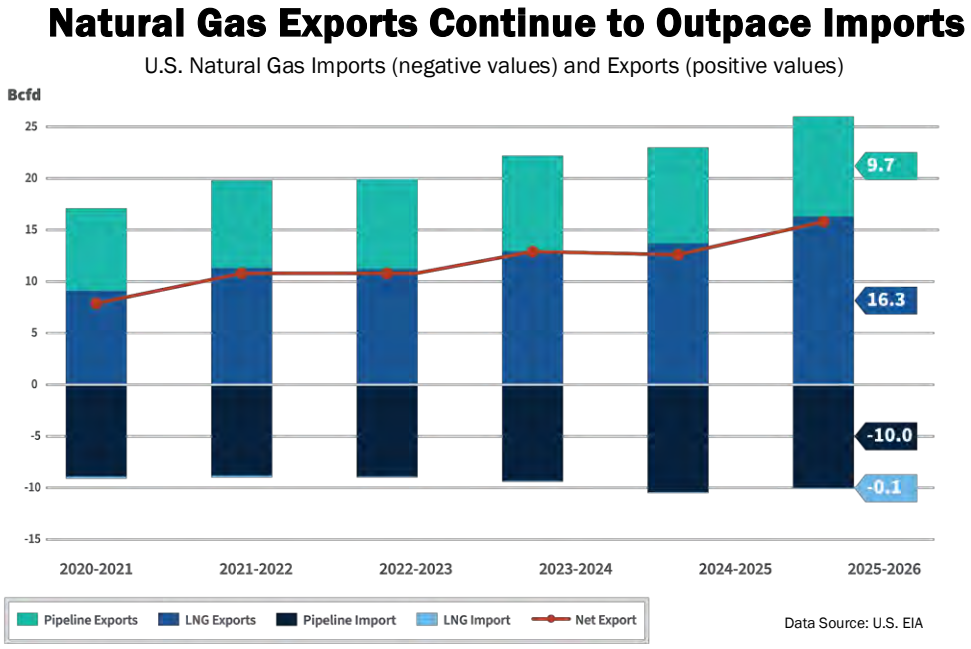
Generators fueled by petroleum and liquid fuels, such as distillate or residual fuel, provide a small portion of the overall electric generation capacity in the United States but play an important reliability role during critical periods in the Northeast.[32] As of October 31, 2025, distillate fuel oil inventories, which include heating oil, were at 111.6 million barrels for the United States,[33] 8.8% below the five-year average.

[31] For more on storage and its role in U.S. energy markets, see the Natural Gas Storage section (page 25) in FERC's *Energy Primer: A Handbook on Energy Market Basics,* http://www.ferc.gov/sites/default/files/2024-01/24_Energy-Markets-Primer_0117_DIGITAL_0.pdf.

[32] For more on oil and its role in U.S. electricity generation, please see Chapter 4: U.S. Crude Oil and Petroleum Product Markets in FERC's *Energy Primer: A Handbook for Energy Market Basics*, http://www.ferc.gov/sites/default/files/2024-01/24_Energy-Markets-Primer_0117_DIGITAL_0.pdf.

[33] EIA, Weekly U.S. Ending Stocks of Distillate Fuel Oil (Oct. 31, 2025), https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=WDISTUS1&f=W.

Slide 11



Natural Gas Exports and Imports

Natural gas exports represent the fastest growing demand segment in the U.S. market and are expected to outpace natural gas imports this winter. The chart on **Slide 11** illustrates this trend, breaking down the volumes of U.S. natural gas LNG and pipeline imports and exports. The stacked bars are segmented to show the volume of LNG exports (in blue), pipeline exports (in light green), and pipeline imports (in black). Net natural gas exports are expected to increase this winter from last winter, primarily due to increased LNG export capacity from Calcasieu Pass LNG, Corpus Christi LNG Stage 3, and Plaquemines LNG, along with an expected increase in natural gas pipeline exports to Mexico. As seen in **Slide 11**, EIA forecasts U.S. gross LNG exports to average 16.3 Bcfd in winter 2025-2026, up 18.7% from winter 2024-2025. The United States remains the world's largest LNG exporter, with FERC-authorized liquefaction capacity in the Lower 48 United States expected to increase to 20.1 Bcfd by the end of the winter.[34]

While LNG imports play a minor (and declining) role in the U.S. gas balance, they are still important in pipeline-constrained New England. Additionally, some U.S. LNG export facility operators such as Cove Point in Maryland have allowed for the delivery of re-gasified LNG stored on site to provide additional supplies to market areas near export facilities during peak

[34] FERC, *North American LNG Export Terminals – Existing, Approved not Yet Built, and Proposed* (Oct. 14, 2025), https://www.ferc.gov/media/us-lng-export-terminals-existing-approved-not-yet-built-and-proposed.

winter demand days.[35] Altogether, the United States is expected to be a significant net exporter of natural gas this winter, with natural gas exports, including LNG and via pipeline, expected to exceed natural gas imports by an average of 15.8 Bcfd, compared to 12.6 Bcfd in winter 2024-2025.[36] This growth in net exports is represented by the blue line on the chart. Gross pipeline exports, including flows to both Canada and Mexico, are forecast to be 9.7 Bcfd, which is 0.3 Bcfd above average exports in winter 2024-2025. In total, the United States is a net gas importer from Canada and a net exporter to Mexico (via pipeline and trucks; the latter on a very small scale).

[35] Cove Point's LTD-3 service allows shippers to liquefy domestic natural gas, inject LNG into storage, and then withdraw that stored LNG at any time. *See* Cove Point LNG, LP, FERC Gas Tariff, Tariff Record No. 1., Third Revised Volume No. 1., http://www.ferc.gov/sites/default/files/2020-05/066131_000110__contents.pdf.

[36] For more on LNG markets, see the Liquefied Natural Gas section (page 14) of FERC's *Energy Primer: A Handbook for Energy Market Basics,* http://www.ferc.gov/sites/default/files/2024-01/24_Energy-Markets-Primer_0117_DIGITAL_0.pdf.

Slide 12

Natural Gas Infrastructure Additions

- LNG Export Capacity Grows to 20.1 Bcfd
  - Two new projects in-service since start of last winter
- Pipeline Projects Added 2.2 Bcfd in Capacity in 2025
  - Additional capacity to support LNG export facilities
  - Increased takeaway capacity in the Southwest and Texas
- Natural Gas Storage Capacity Grows by 6.5 Bcf
  - New working gas capacity added in December 2024

Natural Gas Infrastructure

Natural gas infrastructure additions measure the growth in capacity used to process, transport, and store natural gas as it moves from initial production (or import) to ultimate delivery (including export). Natural gas infrastructure additions since last winter included expansions to export capacity, pipeline capacity, and storage capacity. New LNG export facilities and expansions are expected to bring peak LNG capacity to 20.1 Bcfd by the end of the winter. Pipeline projects placed in-service since last winter added 2.2 Bcfd of new transportation capacity, and an expansion project added 6.5 Bcf in new underground natural gas storage capacity.[37]

The United States was the world's largest LNG exporter in 2024, and U.S. natural gas exports are expected to increase again this winter, supported by two major projects completed since last winter.[38] Plaquemines LNG Phase 1 began operating in Louisiana in late 2024 and Corpus Christi LNG Stage 3 in Texas began in March of 2025, while Plaquemines LNG Phase 2 is

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[37] This calculation is based on EIA's pipeline project database cross-referenced with FERC certificate filings and in-service announcements. EIA, Natural Gas Pipeline Projects (July 2025), https://www.eia.gov/naturalgas/pipelines/EIA-NaturalGasPipelineProjects_Jul2025.xlsx.

[38] EIA, *The United States remained the world's largest liquefied natural gas exporter in 2024* (March 27, 2025), https://www.eia.gov /todayinenergy/detail.php?id=64844.

expected to ship its first cargo in the fourth quarter of 2025. Including the new additions, by the end of the winter FERC-authorized U.S. LNG liquefaction capacity will be 20.1 Bcfd.[39]

Since November 2024, several interstate natural gas pipelines have increased pipeline capacity. Most notably, the Evangeline Pass Expansion Project Phase 2 entered service and increased the pipeline's total capacity to 2.2 Bcfd to deliver feedgas to Venture Global's Plaquemines LNG liquefaction and export facility. Several smaller pipeline expansion projects now in service are also expected to support production growth and demand, including the 0.19 Bcfd Texas to Louisiana Energy Pathway project which increases capacity between Haynesville production and Gulf Coast markets, and the 0.18 Bcfd East Lateral Xpress, which will supply the Plaquemine's LNG terminal.

Adding to natural gas storage capacity, the Tres Palacios Cavern 4 Storage Expansion project entered service in December 2024. Located in Texas, Tres Palacios Cavern 4 adds 6.5 Bcf of working gas capacity to the facility's existing 34.9 Bcf.[40] As a salt dome site, Tres Palacios can inject or withdraw gas quickly, supporting variable loads from a variety of users including LNG terminals.

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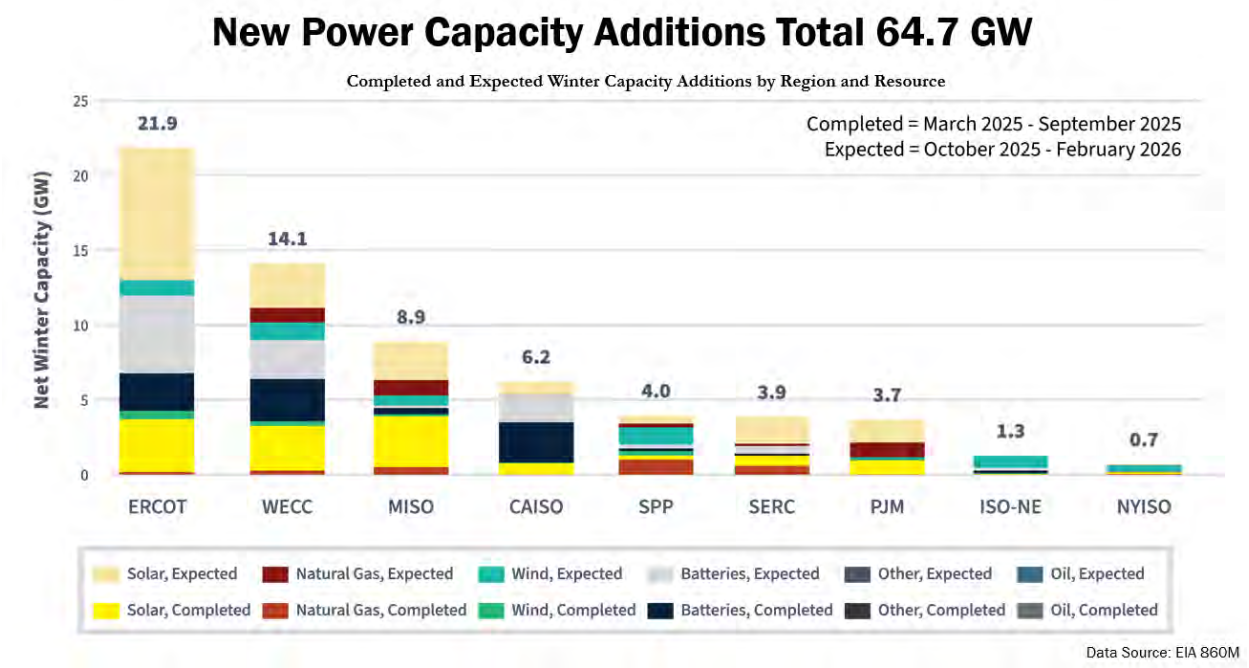
[39] EIA, U.S. Liquefaction Capacity (Sept. 17, 2025), https://www.eia.gov/naturalgas/data.php#imports; FERC, *North American LNG Export Terminals – Existing, Approved not Yet Built, and Proposed* (Sept. 18, 2025), https://www.ferc.gov/media/us-lng-export-terminals-existing-approved-not-yet-built-and-proposed.

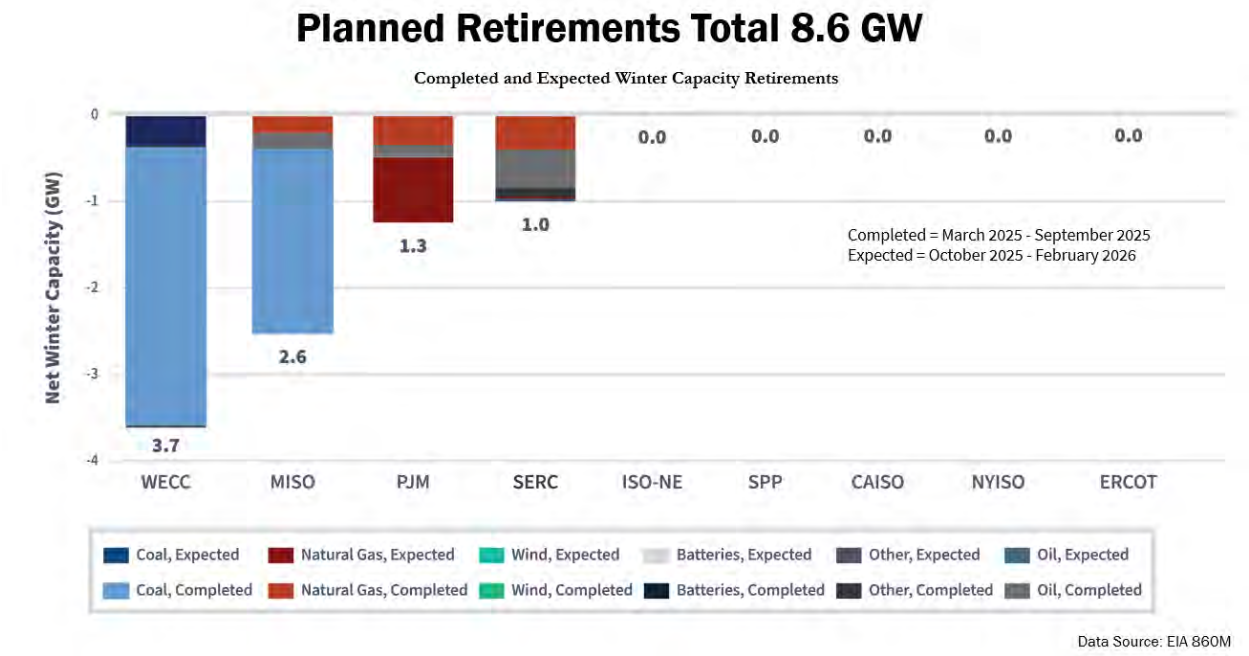
[40] Jodi Shafto, *Enbridge Ready to Bring on Fourth Cavern at Texas Natural Gas Storage Facility,* Natural Gas Intelligence (Nov. 22, 2024), https://naturalgasintel.com/news/enbridge-ready-to-bring-on-fourth-cavern-at-texas-natural-gas-storage-facility/.

Electricity Market Fundamentals and Electric Reliability

Slide 13



Slide 14



Electricity Generation Additions, Retirements, and Outages

Compared to last winter, the EIA projects the electricity sector will have 56.1 GW of additional net generation capacity this winter.[41] This net increase reflects 64.7 GW of new capacity additions offset by 8.6 GW of retirements. Of these capacity changes, 25.7 GW of additions and 2.4 GW of retirements were already completed between March and November 2025, while 39.0 GW of additions and 6.2 GW of retirements are expected to occur between December 2025 and February 2026. Given their operating characteristics, new capacity from solar, wind, or storage facilities does not replace the retired thermal capacity from coal, natural gas, or oil units on a one-for-one basis.

Capacity Additions

The chart on **Slide 13** breaks down the 64.7 GW of new winter capacity additions by region and resource type. Each vertical bar represents the total new capacity for a specific region, while the segments within each bar show the mix of different resources being added. In total, solar accounts for 50% (32 GW) of new capacity additions and batteries represent 30% (20 GW), with wind accounting for 11% (6.8 GW) and natural gas (6 GW) comprising the remainder. Solar represents the largest share of new capacity additions in PJM (68%) and MISO (67%). New battery capacity additions have continued to grow steadily from 695 MW in 2021 to a projected 11.5 GW in 2025. As the chart shows, western and central regions drive nearly 80% of overall capacity additions: ERCOT (21.8 GW), WECC (14.1 GW), the Midcontinent Independent System Operator (MISO) (8.9 GW), and the California Independent System Operator (CAISO) (6.2 GW).

Capacity Retirements

Capacity retirements are projected to total 8.6 GW, with coal-fired steam units representing 5.8 GW (67%) and natural gas units 1.8 GW (21%). The chart on **Slide 14** breaks down these figures by region and shows the specific fuel types being retired in each area. The majority of planned coal retirements are in WECC (3.2 GW) and MISO (2.1 GW), while the largest volume of planned natural gas retirements is in PJM (0.8 GW). The largest individual coal plant retirements include the Intermountain Power Project (1.8 GW) in Utah, J.H. Campbell Generating Complex (1.3 GW) in Michigan, and TransAlta's Centralia Generation Station (0.7 GW) in Washington. Notably, the J.H. Campbell plant's retirement is subject to a U.S. Department of Energy (DOE) emergency order extending its operation until February 17,

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[41] Net capacity additions and retirements data from EIA Form 860M show new generating capacity that entered service and existing capacity that retired during March 2025 through February 2026. The net increase represents total additions minus total retirements across all fuel types and technologies. *See* EIA (September 9, 2025) Form EIA-860M, https://www.eia.gov /electricity /data/eia860/

2026, to ensure grid reliability.[42] Similarly, the 397 MW oil-fired Wagner Unit 4 has been extended beyond its environmental run-hour limitations by a DOE emergency order until December 31, 2025, to help meet anticipated electricity demand in PJM.[43] In addition, DOE has ordered Units 3 and 4 of the Eddystone Generating Station to remain available through November 26, 2025, to minimize the risk of generation shortfalls in PJM.[44] Another notable coal retirement is the Merrimack Station in New Hampshire (460 MW). That plant ceased commercial operations in early October 2025, earlier than its previously planned 2028 retirement.[45]

Pace of Winter Capacity Changes

The pace of winter capacity additions has recovered after slowing in 2022. Capacity additions fell from 37.4 GW in 2022 to 32.7 GW in 2023, a 13% decline. Since then, the pace of capacity additions has rebounded strongly, reaching 42.6 GW in 2024 and 52.6 GW in 2025. Projected additions for 2026 are 64.7 GW, which would represent the largest annual capacity addition in over a decade. Conversely, the pace of generation retirements has slowed significantly following a surge in coal plant closures. Annual retirements peaked at 17.8 GW in 2023, then declined to 15.7 GW in 2024 and 8.6 GW in 2025—a 51% reduction from the 2023 peak. Retirements are projected to remain at similar levels in 2026 at 8.7 GW, consistent with this return to more moderate retirement rates.

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[42] Additional DOE orders could potentially delay other planned retirements this winter. U.S. Department of Energy, Order No. 202-25-9, Federal Power Act Section 202(c): Midcontinent Independent System Operator (Nov. 18, 2025), https://www.energy.gov/sites/default/files/2025-11/Order%20No%20202-25-9.pdf. *See* also U.S. Department of Energy, Order No. 202-25-7, Federal Power Act Section 202(c): Midcontinent Independent System Operator (Aug. 20, 2025), https://www.energy.gov/ceser/federal-power-act-section-202c-midcontinent-independent-system-operator-miso-0.

[43] *See* U.S. Department of Energy, Order No. 202-25-6A, Federal Power Act Section 202(c): PJM Interconnection (PJM) (Oct. 24, 2025), https://www.energy.gov/ceser/federal-power-act-section-202c-pjm-interconnection-0

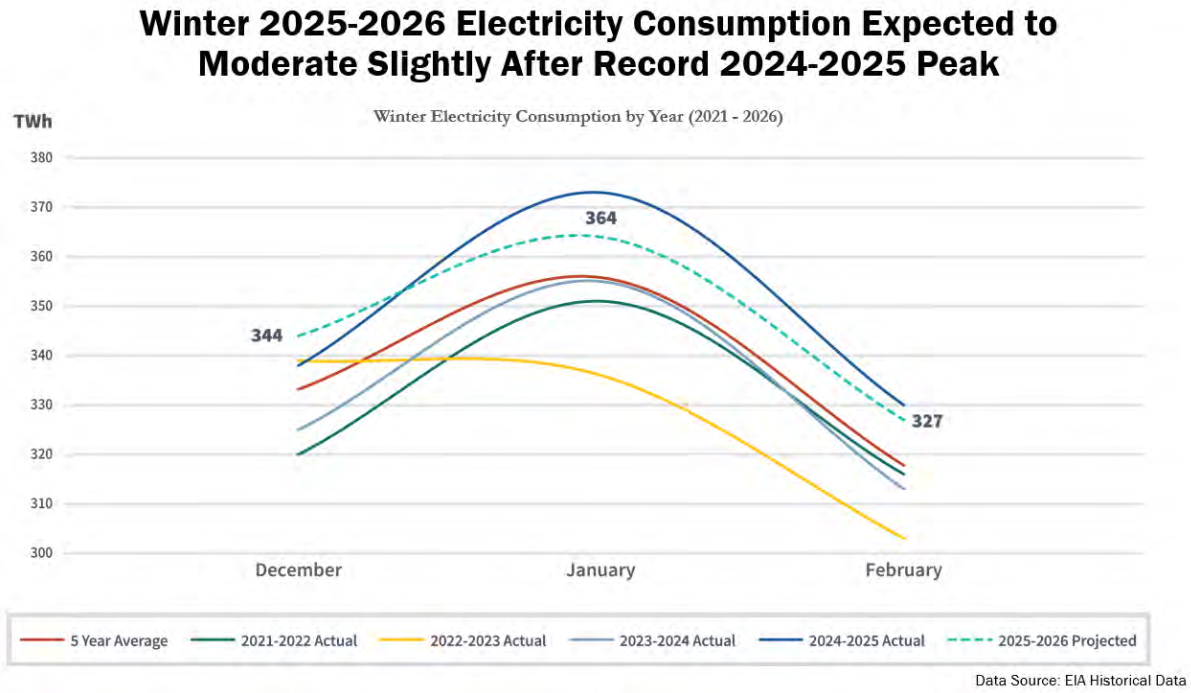
[44] *See* U.S. Department of Energy, Order No. 202-25-8 Federal Power Act Section 202(c): PJM Interconnection (PJM) (August 28, 2025), https://www.energy.gov/ceser/federal-power-act-section-202c-pjm-interconnection-pjm.

[45] Retirement data is based on EIA-860M reported retirement dates. Some units, such as J.H. Campbell, continue operating under DOE emergency orders (202(c)) beyond their reported retirement dates, while others, such as the Merrimack Station, retired earlier than planned. Actual operational status may differ from reported retirement timing.

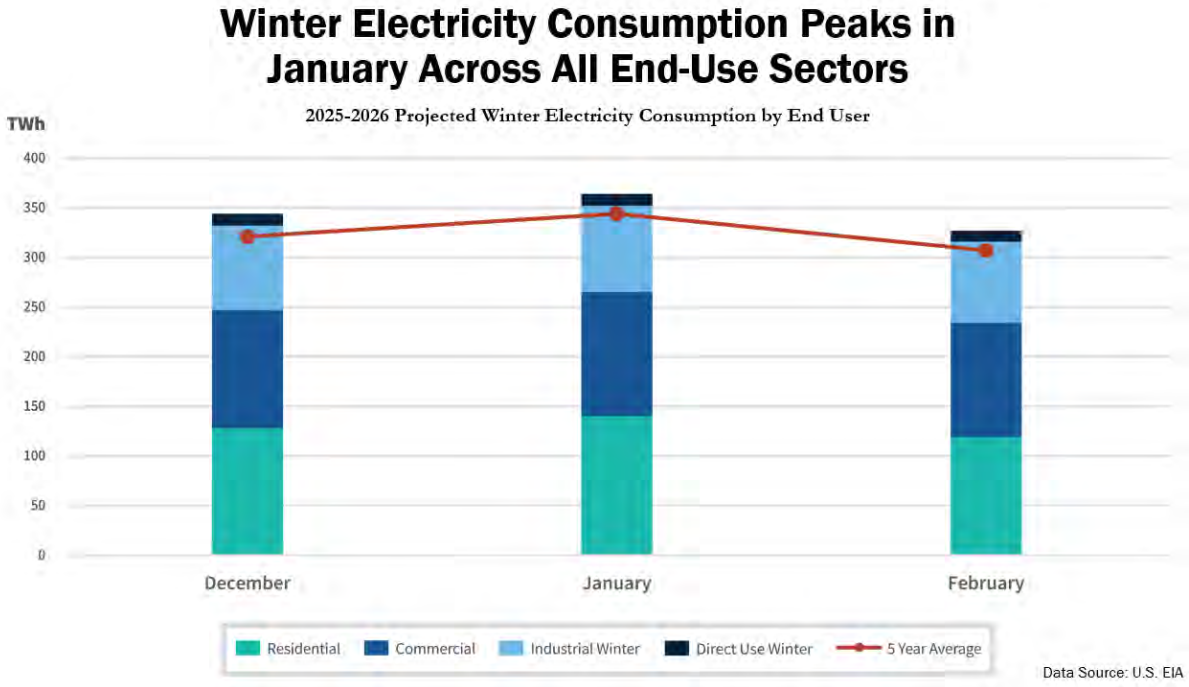
Planned Generation Outages

Oconee Nuclear Station Unit 3 (859 MW) in South Carolina is scheduled for a 28-day maintenance outage starting November 1, 2025. While the unit is scheduled to return to service before December 2025, any delays could reduce available capacity in the SERC region, emphasizing the importance of proactive grid management strategies for the winter season.

Slide 15



Slide 16



Electricity Consumption

EIA projects total winter electricity consumption to reach 1,035 TWh, or 2.7% above the five-year average of 1,007 TWh.[46] The chart on **Slide 15** provides historical context for this forecast, plotting projected consumption for winter 2025-2026 (the dashed green line) against the previous four winters. Among the last five winters, winter 2024-2025 represents the record peak at 1,041 TWh (3% above the five-year average), while winter 2025-2026 projections show more modest growth at 1,035 TWh, which would represent the second-highest consumption level of the five winters analyzed.

The breakdown of this electricity consumption by end-use sector for winter 2025-2026 is shown on **Slide 16**. The residential sector is projected to have the highest consumption at 387 TWh, followed by the commercial sector at 359 TWh and the industrial sector at 254 TWh. The stacked bars on the chart illustrate this monthly breakdown and show that consumption across all sectors is expected to peak in January, reaching a high of 352 TWh. The commercial sector is projected to see the strongest growth at 5% above its five-year average. Direct Use represents approximately 3% of total electricity consumption (or 35 TWh) and is expected to remain stable.[47]

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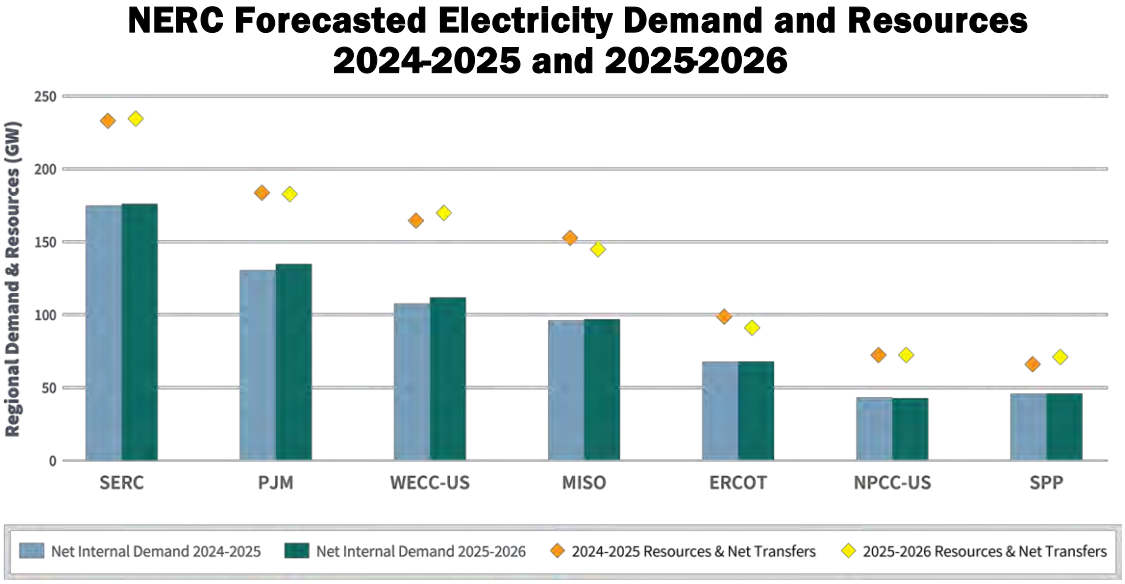
[46] EIA's *Short-Term Energy Outlook* (STEO) provides data and forecasts for U.S. electricity consumption retail sales to customers, broken down by residential, commercial, and industrial sectors. EIA, *STEO*, at Table 7A (Sept. 2025), https://www.eia.gov/outlooks/steo/archives/sep25.pdf.

[47] According to EIA, Direct Use represents "commercial and industrial facility use of onsite net electricity generation; and electrical sales or transfers to adjacent or colocated facilities for which revenue information is not available." See EIA, *STEO*, at Table 7A (Sept. 2025), https://www.eia.gov/outlooks/steo/archives/sep25.pdf.

Slide 17



NERC, 2025-2026 Winter Reliability Assessment
Net Internal Demand equals Total Internal Demand less Dispatchable, Controllable Capacity Demand Response used to reduce load.

NERC Forecasted Electricity Demand and Resources

According to NERC, electricity demand is expected to be higher this winter compared to last winter. NERC forecasts net internal demand[48] for electricity to increase by approximately 1.6%, or 11 GW, from 666 GW in winter 2024-2025 to 677 GW in winter 2025-2026. Actual electricity demand will depend on a number of factors, including the number, duration, and characteristics of extreme winter events.

Slide 17 shows the net internal demand as solid bars and the available resources and net transfer values (a combination of internal resources and additional external resources available to the region) as diamonds.[49] Despite the increased demand projected for Winter

[48] Forecasted Net Internal Demand: Total of all end-use customer demand and electric system losses within specified metered boundaries, reduced by the projected impacts of Controllable and Dispatchable Demand Response programs.

[49] "Resources and Net Transfers" refers to the addition of "Existing-Certain Capacity" and "Net Firm Capacity Transfers." Existing-Certain Capacity includes capacity to serve load during period of peak demand from commercially operable generating units with firm transmission or other qualifying provisions specified in the market construct. Net firm capacity transfers refers to the imports minus exports of firm contracts. NERC, *2024 Long Term Reliability Assessment* (December 2024, updated July 15, 2025), https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_Long%2

2025-2026, all 15 U.S. NERC assessment areas are anticipated to have sufficient available generation resources and net transfers to meet their expected loads under normal winter conditions.[50] According to data from NERC,[51] planning reserve margins[52] exceed the reference reserve level margins[53] for the 15 NERC assessment areas. Even with expected ample planning reserve margins, regions can face tighter-than-expected supply if operating conditions deviate significantly from those expected for this winter. Planning reserve margins are a metric, but do not guarantee reliable operations at all times. For instance, they do not necessarily account for all extreme winter conditions that can lead to fuel unavailability for generators, derates of electric generators, unexpected generator outages, transmission outages, reduced power transfers from adjacent areas, delays in energy

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0Term%20Reliability%20Assessment_2024.pdf; *see also* Net Internal Demand equals Total Internal Demand less Dispatchable, Controllable Capacity Demand Response used to reduce load. NERC, *2025-2026 Winter Reliability Assessment,* (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[50] The 15 U.S. assessment areas, also shown in **Slide 20**, are the NPCC-New England and NPCC-New York subregions of NPCC-US; PJM Interconnection L.L.C. (PJM); the SERC-Central, SERC-East, SERC-Southeast, and SERC Florida Peninsula subregions of SERC-US; MISO; SPP; the Texas Reliability Entity-Electric Reliability Council of Texas (TRE/ERCOT); and the WECC-NW (Northwest), WECC-SW, WECC-Rocky Mountain, WECC-Basin and WECC-CAMX subregions of WECC-US. NERC, *2024 Long-Term Reliability Assessment* (Dec. 2024), https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_Long%20Term%20Reliability%20Assessment_2024.pdf.

[51] NERC *2025-2026 Winter Reliability Assessment* (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[52] The planning reserve margin is the primary metric used to measure resource adequacy defined as the difference in resources (anticipated or prospective) and net internal demand divided by net internal demand, shown as a percentile. NERC, *2024 Long Term Reliability Assessment, at 138* (Dec. 2024), https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_Long%20Term%20Reliability%20Assessment_2024.pdf.

[53] Also known as a target reserve margin, the reference reserve level margin is provided by the region/subregion based on load, generation, and transmission characteristics as well as regulatory requirements. If not provided, NERC assigns a 15 percent reserve margin. NERC, Reliability Indicators, Metric 1-Reserve Margin (accessed Oct. 22, 2025), https://www.nerc.com/pa/RAPA/ri/Pages/PlanningReserveMargin.aspx.

resources coming online, and other factors that system operators must manage to maintain electric supply and reliability. In extreme scenarios, ERCOT, NPCC-NE, SERC-Central, SERC-East, WECC-Basin, and WECC-NW face a higher likelihood of challenges, which may require operational mitigations to avoid facing potential reliability issues. More comprehensive reliability assessments for these assessment areas are presented in the *Regional Highlights* section of this assessment.

To serve demand in winter 2025-2026, NERC forecasts a national decrease of 0.48%, or approximately 4.6 GW[54], in total electric generation capacity and net energy transfers from approximately 971.5 GW in winter 2024-2025 to approximately 966.8 GW in winter 2025-2026,[55] illustrated as diamonds in **Slide 17**.[56]

A forecast of the United States' electricity demand shows a significant upward trajectory.[57] This demand increase is driven by a combination of industrial sector recovery, electrification, and new demand from data centers and manufacturing. Currently, the size and speed with which data centers and crypto mining facilities can be constructed and connected to the grid presents unique challenges for demand forecasting and planning.[58] Data center demand alone

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[54] To determine these figures, using data provided in the "Demand and Resources Table of the NERC 2025-2026 Winter Reliability Assessment for each United States' assessment area, the Existing-certain capacity is summed across NERC assessment areas and the net firm capacity transfers projections are summed across all assessment areas, and compared to the same assessment area projections provided in the "2024-2025 WRA columns." The Existing-certain capacity and net firm transfers were described in FN 47 above Note that NERC's projected 4.6 GW decrease in generation capacity differs from EIA's anticipated 56.1 GW net increase in generation capacity because EIA estimates expected retirements and planned capacity through February 2025 based on data submitted to the annual EIA-860 and includes operating, out of service or on standby generators, as well as planned and not yet in operation generators. The EIA data is not directly comparable to the NERC data.

[55] NERC, *2025-2026 Winter Reliability Assessment* (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[56] *Id.*

[57] *Grid Strategies LLC, Strategic Industries Surging: Driving US Power Demand, (Dec. 2024), https://gridstrategiesllc.com/wp-content/uploads/National-Load-Growth-Report-2024.pdf.*

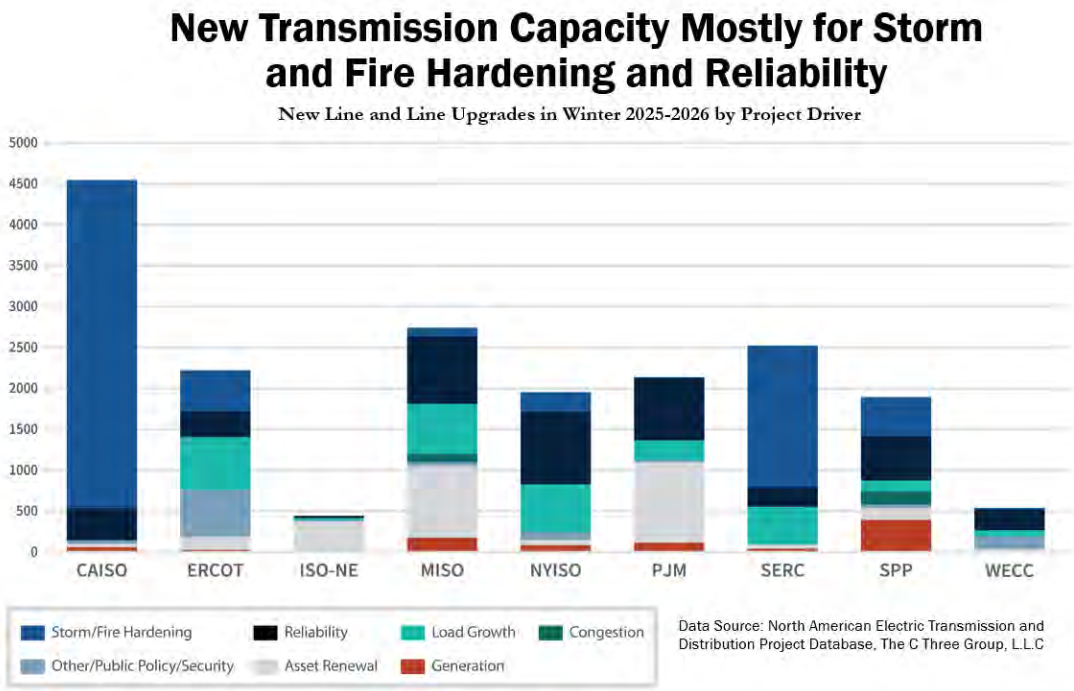
[58] NERC, *2024 Long-Term Reliability Assessment* at 8 (Dec. 2024), https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_Long%20Term%20Reliability%20Assessment_2024.pdf.

is projected to consume over 5% of the total U.S. power demand for 2025, up from 4.4% in 2024.[59]

This increase in demand, in combination with the decrease in supply, is pressuring utilities to accelerate infrastructure upgrades and energy resource deployment, and to reconsider scheduled resource retirements to maintain grid reliability, such as those described further in the *Electricity Generation Additions, Retirements, and Outages* section above.

[59] Lawrence Berkeley National Laboratory, *2024 United States Data Center Energy Usage Report* at 52 (Dec. 2024), https://escholarship.org/uc/lbnl.

Slide 18



Electricity Transmission Projects

There are 3,132 new transmission projects supporting grid reliability this winter, including 1,551 substation-only projects, 1,070 transmission line projects, and 511 combined projects. These projects total 19,008 line-miles, with 14,736 miles already completed and placed in service between March and November 2025, and 4,272 miles expected to enter service between December 2025 and February 2026.[60] The chart on **Slide 18** breaks down these new line and line upgrades by region and project driver. Nationwide, the primary drivers for these projects are storm and fire hardening (7,101 line-miles) and system reliability (4,238 line-miles), which together account for nearly 60% of all projected mileage.

By project count, ERCOT (771), MISO (655), and PJM (610) are the most active regions for transmission development. As the chart illustrates, the top drivers vary by region: ERCOT is primarily focused on storm and fire hardening (23% of its line-miles) and load growth (29%), MISO is driven by a combination of asset renewal/aging infrastructure (32%) and system reliability (30%), PJM's development is concentrated on asset renewal/aging infrastructure

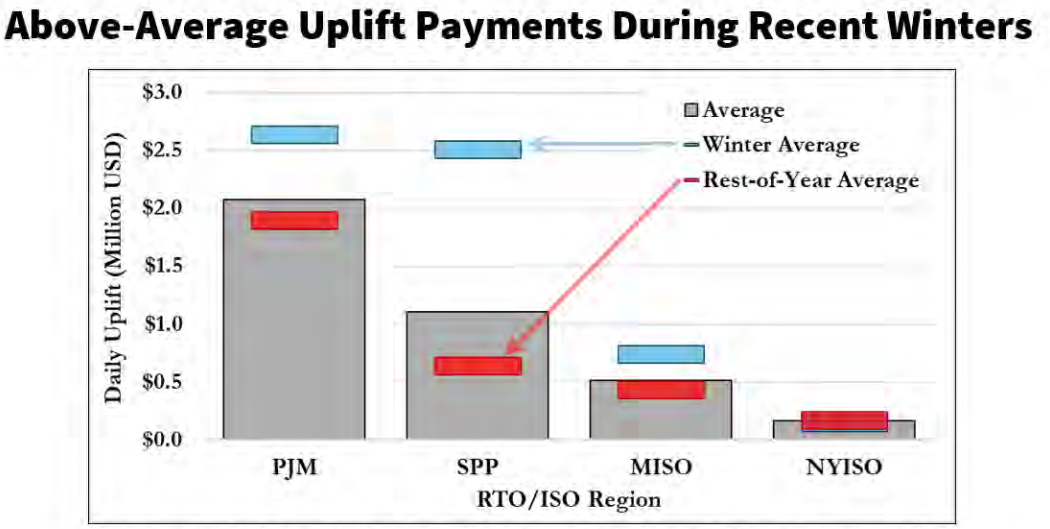
[60] Data on transmission line-miles is from The C Three Group's (Yes Energy) Electric Transmission and Distribution database. The projects listed in this report are limited to those placed into service between March 2025 and February 2026 that have one of the following statuses: conceptual, early development, advanced development, under construction, partial operations, or operating. Project terminology and the level of detail can vary significantly by region, which may result in incomplete data.

(46%) and system reliability (36%), and over 97% of CAISO's new mileage is for storm and fire hardening. Notably, all projects specifically developed for congestion relief are located in SPP and MISO, totaling 260 line-miles.

Most projects involve lines below 230 kV, accounting for 16,732 line-miles or 88% of total line-miles. For lines of 230 kV or higher, there are 2,277 line-miles or 12% of total mileage. The highest voltage lines of 500 kV or more account for 358 line-miles, primarily in CAISO (256 line-miles), WECC (91 line-miles), and MISO (7 line-miles).

Substation-only projects represent nearly half of all transmission infrastructure work this winter, with ERCOT (404 substations), MISO (320), and PJM (294) leading in substation development.

Slide 19



Data Source: Staff analysis of zonal uplift charges from January 2019 to September 2025

Electric Market Uplift Payments

Uplift payments in organized markets reflect the portion of the cost of reliably serving load that is not included in market prices. They compensate generators that are dispatched to operate but whose market revenues fail to cover their production costs. The costs of uplift payments are typically allocated among grid customers. For this coming winter, forecasted natural gas prices and electricity demand suggest that the cost of producing electricity will not be appreciably higher than that of recent winters.[61] But, unpredictable periods of extreme winter weather could still drive up both wholesale electricity prices and uplift payments for some days.

The chart on **Slide 19** illustrates this historical trend, visualizing how average daily uplift payments during the winter are typically higher than the average for the rest of the year across several grid regions.[62] Historical data shows that daily uplift payments have been higher on

[61] EIA, *Short-Term Energy Outlook* (Oct. 7, 2025), showing that the wholesale electricity outlook for the coming winter has average wholesale electricity prices that are close to historical winter averages, except January where prices are expected to increase slightly. https://www.eia.gov/outlooks/steo/archives/oct25.pdf.

[62] Assessment in this report of zonal uplift payments are based on publicly available data obtained from datasets and market reports published by the ISO/RTOs from Jan. 1, 2019, to Aug. 31, 2025, for NYISO, MISO, and SPP and July 1, 2019, to Aug. 31, 2025, for PJM.

average during recent winters in several regions, driven by two key factors: extreme weather events and specific operator actions.[63]

- **Extreme Weather:** During an eight-day period of Winter Storm Uri in February 2021, total uplift payments exceeded $1.13 Billion in SPP and $160 million in MISO. The daily payments in SPP during the storm averaged over $140 million—more than 100 times the region's typical daily average since 2019.
- **Operator Actions:** Proactive operator decisions can also drive uplift. In January 2025, PJM's commitment of specific resources in advance of cold weather resulted in nearly $340 million in uplift payments across five days.[64] Such actions ensured system reliability,[65] but at the expected cost of atypically high uplift payments.[66]

This coming winter, system operators may similarly pre-position resources in advance of expected cold weather. This could reduce reliability risks but also increase uplift payments in RTOs/ISOs.

For example, for PJM see PJM, Data Miner 2: Daily Uplift Charges by Zone (last accessed Oct. 6, 2025), https://dataminer2.pjm.com/feed/uplift_charges_by_zone; for NYISO see Open Access Same-Time Information System: Pricing Data (last accessed Oct. 6, 2025), https://mis.nyiso.com/public/; for MISO see MISO, Market Reports (last accessed Oct. 6, 2025) https://www.misoenergy.org/markets-and-operations/real-time--market-data/market-reports/; and for SPP, see SPP, Make Whole Payment Report (last accessed Oct. 6, 2025), https://portal.spp.org/pages/make-whole-payment-report.

[63] Like daily uplift payments, daily wholesale electricity costs based on RTO/ISO LMPs are also higher in the winter on average, compared to the rest-of-the-year.

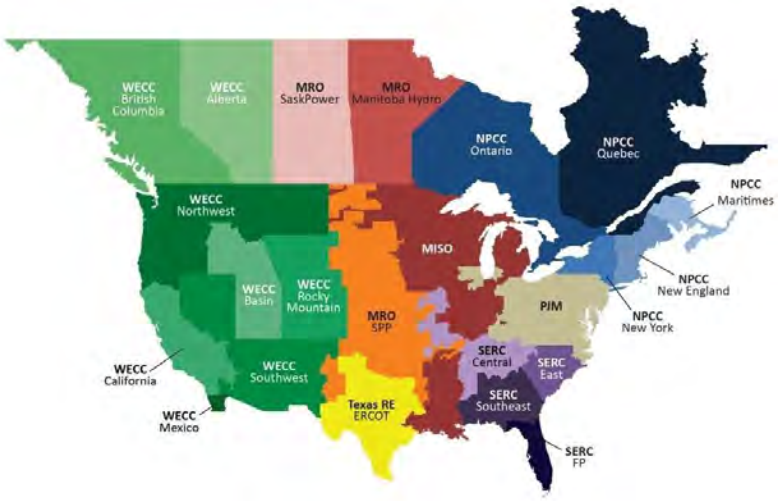
[64] Monitoring Analytics (PJM Independent Market Monitor), *2025 Quarterly State of the Market Report for PJM: January through June* at 284, 302-304 (Aug. 14, 2025), http://www.monitoringanalytics.com/reports/PJM_State_of_the_Market/2025/2025q2-som-pjm-sec4.pdf.

[65] PJM Operating Committee, *Cold Weather Operations: January 18–23, 2025* at 3 (Feb. 6, 2025), https://www.pjm.com/-/media/DotCom/committees-groups/committees/mrc/2025/20250319/20250319-item-08---1-january-2025-cold-weather-update---presentation.pdf.

[66] PJM Members Committee, *Markets Report* at 27 (Feb. 18, 2025) (showing uplift as a percent of energy costs equal to almost 8% in January 2025 and below 2% for all preceding months), http://www.pjm.com/-/media/DotCom/committees-groups/committees/mc/2025/20250218-web/item-05a---1---market-operations-report.pdf.

Slide 20

Regional Highlights and Probabilistic Assessment



Source: NERC

NERC Regional Probabilistic Assessments

In this section, staff relies on NERC's probabilistic risk analyses[67] to assess resource adequacy. Regions can face energy shortfalls despite having planned reserve margins that exceed the reference margin levels.[68]

NERC's analysis shows that all assessment areas, as shown in **Slide 20**, anticipate adequate supplies and reserve margins under normal conditions, but ERCOT, NPCC-NE, SERC-East, SERC-Central, WECC-Basin, and WECC-NW may face a higher likelihood of tight supply and reliability issues during extreme conditions.[69] For all assessment areas, above-normal

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[67] A probabilistic risk analysis assesses the potential variations in resources and load that can occur under changing conditions or during certain scenarios and incorporates operator actions that could help to mitigate any shortfalls in operating reserves.

[68] NERC, *2025-2026 Winter Reliability Assessment* (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[69] All Regional Entities and assessment areas provide a probability-based resource adequacy risk assessment for the winter season. NPCC-US consists of the states of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont, and New York; PJM consists of all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia, and the

winter peak load and resource outages could result in the need to employ operational mitigations. In the event of challenging operating conditions, system operators take actions known as operational mitigations to address potential supply shortages, such as calling on demand response, canceling or postponing non-critical generation or transmission maintenance, and calling on voluntary conservation measures. If system conditions deteriorate sufficiently, Reliability Coordinators may declare an Energy Emergency Alert, allowing system operators to call on a variety of additional resources that are only available during scarcity conditions such as activating emergency demand response measures and increasing generation imports from neighboring regions.

Additionally, NERC assessment areas coordinate extensively ahead of anticipated extreme weather to try to prevent supply shortages. For example, ERCOT performs day-ahead and near-term studies to evaluate generation capacity at high risk due to extreme weather conditions to assess potential load shed scenarios. As part of ERCOT's protocols with SPP and MISO, ERCOT coordinates with the two RTO neighbors if look-ahead study results indicate that emergency conditions may arise.[70] NPCC-NE continues to closely monitor regional energy adequacy, particularly during extended cold snaps where constrained natural gas pipelines contribute to rapid depletion of stored fuel supplies.[71] Both SERC-Central and

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District of Columbia; SERC encompasses all or parts of North Carolina, South Carolina, Tennessee, Georgia, Alabama, Mississippi, Missouri, Kentucky, Florida, Arkansas, Illinois, Iowa, Louisiana, Oklahoma, Virginia, and Texas; MISO encompasses all or parts of 15 U.S. states including Arkansas, Illinois, Indiana, Iowa, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Montana, North Dakota, South Dakota, Texas, and Wisconsin, and the Canadian province of Manitoba; SPP encompasses all or parts of Arkansas, Iowa, Kansas, Louisiana, Minnesota, Missouri, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, and Wyoming; ERCOT is located entirely in the state of Texas; and WECC's footprint extends from Canada to Mexico and includes the provinces of Alberta and British Columbia; the northern portion of Baja California, Mexico; Arizona, California, Colorado, Idaho, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming; and portions of Montana, Nebraska, South Dakota and Texas. *See* NERC, *Long Term Reliability Assessment* (December 2024), https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_Long%20Term%20Reliability%20Assessment_2024.pdf.

[70] ERCOT, ERCOT-SPP Coordination Plan (Accessed Oct. 7, 2025), https://www.ercot.com/files/docs/2020/05/29/ERCOT-SPP-Coordination-Plan.pdf; ERCOT, ERCOT-MISO Coordination Plan (Accessed Oct. 7, 2025), https://www.ercot.com/files/docs/2019/03/27/ERCOT-MISO_Coordination_Plan.pdf.

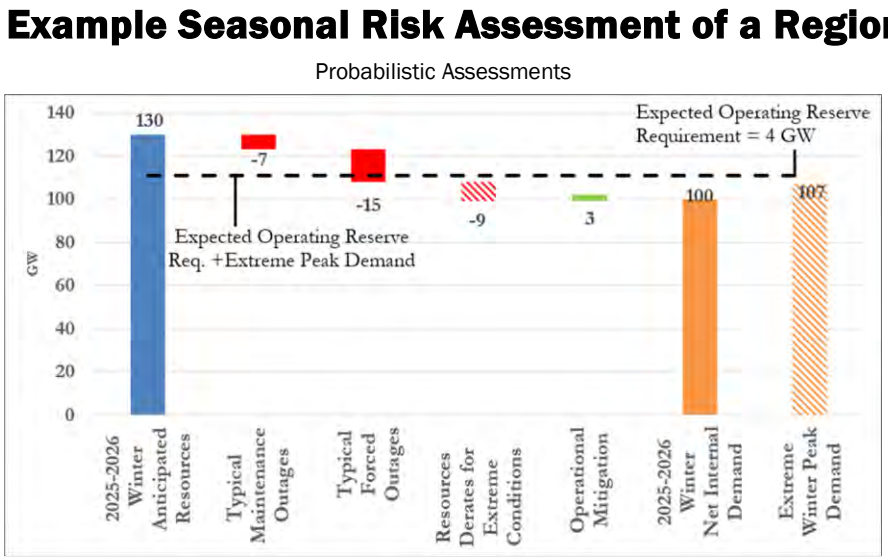
[71] *NERC, 2025-2026 Winter Reliability Assessment* (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

SERC-East report that fuel supplies and transportation remain stable, supported by firm natural gas contracts, storage resources, and reliable pipeline capacity. Coal and oil inventories are projected to remain adequate to meet winter demand.[72] WECC operators monitor grid market conditions in real time, with forecasts extending from the next day to seven days ahead for prescheduled trading.[73]

[72] *Id.*

[73] *Id.*

Slide 21



Source: NERC

Regional Highlights

NERC conducts probabilistic assessments of each assessment area that evaluates the risk of resource adequacy shortfalls for the winter. This winter risk period scenario compares chosen extreme scenarios determined by the NERC assessment areas. In this section, FERC staff highlights the following assessment areas: ERCOT, NPCC-NE, WECC-Basin, and WECC-NW. However, NERC's *2025-2026 Winter Reliability Assessment* also highlighted SERC-East and SERC Central.

NERC's *2025-2026 Winter Reliability Assessment* uses "waterfall" charts to provide a helpful visual of its probabilistic assessments for each region. The chart in **Slide 21** is an example seasonal risk assessment for a hypothetical region. The left blue column on the chart shows anticipated resources and the two orange columns on the right show the normal peak (50/50) and the extreme winter peak (90/10) demand scenarios.[74] The middle red bars show the factors that can reduce resource availability, including maintenance outages and forced outages, not already accounted for in anticipated resources. The middle green bar depicts potential additions in resource availability from operational mitigation actions, if any, that are available during scarcity conditions but have not been accounted for in the reserve margins.

[74] A 50/50 peak load forecast is based on a 50% chance that the actual system peak load will exceed the forecasted value. A 90/10 peak load forecast is based on a 10% chance that the actual system peak load will exceed the forecasted value.

The dotted, horizontal line represents the expected operating reserve requirement plus the extreme peak demand, or the amount of power that a region would need to produce to avoid a shortfall.

The seasonal risk assessment scenarios are determined by the assessment areas to provide insight into unanticipated events during normal and/or extreme winter conditions. However, they do not account for all the unique energy adequacy risks associated with a specific area. The scenarios generally assess the greatest risk hour(s) for Expected Unserved Energy, along with the varying demand and available resource profiles. The methods, scenarios considered, and assumptions differ by assessment area and may not be comparable.

ERCOT. Winter peak demand in ERCOT's Texas footprint typically occurs before sunrise and after sunset when solar generation is unavailable.[75] ERCOT anticipates having sufficient operating reserves during the winter peak load hour (the hour ending at 8:00 a.m.) under expected normal system conditions. However, under extreme scenarios, the region faces increased risk of reserve shortages during both the peak-load hour and high net load hours. During these hours, the system relies heavily on wind generation and dispatchable resources.

Generally, risk in ERCOT continues to rise primarily due to factors such as robust load growth, slower evening load declines—which are largely attributed to continuous data center operations—and limited additions of new dispatchable capacity to meet elevated morning and evening net loads.[76] This risk is heightened by potential forced outages of thermal resources and reduced output from intermittent resources. The load growth in West Texas combined with scenarios for "no solar" and low wind conditions can cause transmission lines into this area to become heavily loaded. As one way to address this risk, ERCOT improved dynamic line ratings that allow for greater transfers at colder temperatures and periods of low solar irradiance.[77] The rapid increase in installed battery storage in ERCOT will also help address this risk. However, maintaining an adequate state of charge during prolonged high-load events, such as a widespread, multi-day event like Winter Storm Uri, remains a significant challenge.[78]

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[75] NERC, *2025-2026 Winter Reliability Assessment* at 31 (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[76] NERC, *2025-2026 Winter Reliability Assessment* (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[77] *Id.*

[78] *Id. at 6*.

NPCC-NE. Under normal winter conditions, NPCC-NE has adequate resources to meet demand. However, a persistent concern in the region is whether sufficient energy will be available during an extended cold spell given the current resource mix, fuel delivery infrastructure, and expected fuel arrangements. Without significant efforts to replenish stored fuels such as fuel oil and LNG, energy adequacy could be challenged.[79]

In NPCC-NE, winter energy concerns are highest in scenarios when stored fuels are rapidly depleted; during these periods timely replenishment is critical to minimizing the potential for energy shortfalls. ISO-NE's 21-day energy forecast is intended to identify these types of scenarios. To support situational awareness and fuel procurement decisions, ISO-NE publishes a rolling 21-day energy assessment at least weekly with more frequent updates as needed.[80] This assessment provides early indications of potential fuel scarcity conditions for market participants.[81] ISO-NE has also expanded an existing winter readiness survey of generators to include more detailed questions, capturing additional data on potential temperature-related limitations.[82] ISO-NE will also continue to use its Probabilistic Energy Adequacy Tool to assess energy shortfall risks ahead of the 2025–2026 winter season.[83]

NPCC-NE shows little change to the anticipated reserve margin for this winter from the previous year, and a lower peak demand forecast and additional resources from demand

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[79] *Id at 22.*

[80] ISO-NE, 21-Day Energy Assessment Forecast and Report (accessed Sept. 23, 2025), https://www.iso-ne.com/isoexpress/web/reports/operations/-/tree/21-Day-Energy-Assessment-Forecast-and-Report-Results.

[81] *Id.*

[82] ISO-NE, OP-21, Operational Surveys, Energy Forecasting & Reporting, and Actions During an Energy Emergency (Accessed Oct. 7, 2025), https://www.iso-ne.com/static-assets/documents/rules_proceds/operating/isone/op21/op21_rto_final.pdf.

[83] Probabilistic Energy Adequacy Tool is a tool that ISO-NE use for risk analysis under extreme weather events. It is essential for evaluating the region's risk of energy shortfall — the electricity supply falling below consumer demand — giving the region's stakeholders advance warning and the opportunity to take steps to avert it; ISO New England, Update on Energy Adequacy Tool, Energy Shortfall Threshold, and Perspectives on Retail Demand Response, (May 21, 2024), https://www.iso-ne.com/static-assets/documents/100011/necpuc_sgeorge_may_2024_final.pdf; ISO New England, ISO Newswire: ISO-NE's study of energy shortfall risks produces innovative tool for assessing energy adequacy (Dec. 11, 2023), https://isonewswire.com/2023/12/11/iso-nes-study-of-energy-shortfall-risks-produces-innovative-tool-for-assessing-energy-adequacy/.

response and firm imports should offset recent generator retirements.[84] NPCC-NE imports power from Canada and neighboring RTOs/ISOs and periodically assesses its reliance on power transfers from neighboring Reliability Coordinator areas through market mechanisms and reliability studies. External resources may participate in the Forward Capacity Market, securing Capacity Supply Obligations to supply energy to New England when needed, integrating them into the region's capacity mix. An annual tie benefits study conducted by ISO-NE estimates reliable import capacity during stressed system conditions. [85]

WECC. WECC warns of potential reserve margin shortfalls in the WECC-Basin and WECC-NW assessment areas during the 2025–2026 winter season during the extreme condition scenario.

WECC-Basin. WECC-Basin encompasses all of Utah, the western part of Wyoming, and the southern and eastern part of Idaho. Under an extreme combination of derates and outages, WECC-Basin could be short one GW of internal supply and imports needed to serve load, and it expects an increased reliance on transfers. Net internal demand is expected to increase 1% since last winter, with total internal demand up 1.8%. This is offset by a doubling of controllable and dispatchable demand response. However, Tier 1 resources, which are capacity that is under construction or that has received approved planning requirements, have declined and do not appear to be offset by increases in existing-certain generation resource capacity.[86] Meanwhile, nameplate wind has increased by almost 18% and solar by almost 30%, and hydro is also up over 7% in total installed capacity since last winter, but derates need to

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[84] NERC, *2025-2026 Winter Reliability Assessment* at 5 (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[85] The study analysis accounts for expected emergency assistance, system reliability practices and the Total Transfer Capability of external interfaces. *See* ISO-NE*, Benefits Values for Reconfiguration Auctions to be Conducted in 2025,* https://www.iso-ne.com/static-assets/documents/100015/a03_review_of_2025_2026_ara_3_tie_benefits_study_results.pdf ; ISO New England, Tie Benefits Methodology: Evaluation Review of Probabilistic Analysis, Tie Benefits Methodologies of ISO-NE and Other ISO/RTOs, and Tie Benefits Evaluation Scope of Work (Oct. 19, 2023), http://www.iso-ne.com/static-assets/documents/100004/a05_tie_benefits_methodology_evaluation.pdf.

[86] Existing-certain includes commercially operable generating units or portions of generating units that meet at least one of the following requirements when examining the period of peak demand for the winter season: (1) unit must have a firm capability and have a power purchase agreement with firm transmission that must be in effect for the unit; (2) unit must be classified as a designated network resource; and/or, (3) where energy-only markets exist, unit must be a designated market resource eligible to bid into the market.

be factored into the performance calculations. Overall, WECC-Basin expects to be reliant on imports to maintain resource adequacy.[87]

WECC-NW. WECC-NW encompasses all of Montana, Washington, and Oregon, and the northern parts of both Idaho and California. WECC-NW has historically been a mixed-season peaking region and shows operating reserve margins expected to be met before needing imports for all winter scenarios. This winter, projected total and net internal demand are up 9.3%, with the primary drivers being data centers, residential electrification, transportation electrification, and semiconductor manufacturing. Large coal unit retirements and conventional hydro unit retirements contribute to the reduction in existing certain capacity by 10.5%; however, planned Tier 1 resources (capacity that is under construction or has received approved planning requirements) have soared over 580%, from 463 MW to over 3 GW. An increase in nameplate capacity for both wind and solar in WECC-NW has also led to a moderate increase in solar availability during the peak hour.

To assess long-term vulnerabilities for all of WECC, WECC conducted two studies evaluating the impact of extreme cold weather events on electric system reliability 10 and 20 years into the future.[88] Both studies highlight the risks[89] associated with heavy reliance on natural gas during severe winter conditions. According to WECC, currently there are no reported or planned pipeline disruptions or outages that would directly threaten natural gas delivery in winter 2025-2026. But lessons from Winter Storm Elliott underscore how freeze-offs, scheduling mismatches, and pipeline constraints have previously contributed to generation

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[87] NERC, *2025-2026 Winter Reliability Assessment* at 33 (Nov. 18, 2025), http://www.nerc.com/globalassets/our-work/assessments/nerc_wra_2025.pdf.

[88] WECC, *Year 10 Extreme Cold Weather Event* (Nov. 2023), https://www.wecc.org/sites/default/files/documents/meeting/2024/Year-10%20Extreme%20Cold%20Weather%20Event%20Report%202023.pdf; WECC, *Year 20 Extreme Cold Weather Event*, (April 2024), https://www.wecc.org/sites/default/files/documents/meeting/2024/Year%2020%20Cold%20Weather%20Event%20Study.pdf.

[89] The studies shows that the western grid depends heavily on natural gas-fired generation to meet demand during extreme cold events. According to the studies, during cold snaps natural gas supply and pressure can drop due to heating demand and infrastructure freezing. Also, the reports note that if gas supply is constrained or derated (by 15–35%), large amounts of unserved energy could occur.

shortfalls and power outages. Since then, improvements such as revised gas pipeline logic[90] and expedited emergency protocols have strengthened system resilience.[91]

The Western Interconnection remains a focal point for proposed pipeline expansions aimed at easing regional supply constraints.[92] While these projects could eventually stabilize fuel prices and support growing demand, most remain in early development stages and will not be in place for winter 2025-2026.[93]

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[90] Gas pipeline logic refers to the system of rules, controls and decision-making processes that govern the operation, monitoring, and optimization of natural gas transmission through pipelines.

[91] WECC Assurance Program provides WECC and its stakeholders with tools to help manage specific risks related to extreme weather and recommendations for improvements to policies, processes and procedures for reviewing system performance during extreme weather events; WECC, WECC Assurance Program explainer (May 15, 2025); https://www.wecc.org/sites/default/files/documents/initiative/2025/Assurance%20Program%205.15.2025.pdf.

[92] S&P Capital IQ Pro, Natural Gas Development Projects (Accessed Oct. 2, 2025), https://www.capitaliq.spglobal.com/web/client?auth=inherit#industry/GasProjects.

[93] These projects include the Desert Southwest Pipeline Expansion (Transwestern Pipeline Company, owned by Energy Transfer): This project involves constructing 516 miles of 42-inch pipeline and nine compressor stations to transport up to 1.5 Bcfd of natural gas from the Permian Basin (Texas/New Mexico) to markets in Arizona and the Southwest. It was announced in August 2025, with a binding open season launched in September 2025. The construction is pending regulatory approvals and final investment decisions. Energy Transfer LP, *Energy Transfer Announces Natural Gas Pipeline Project to Serve Growing Southwestern U.S. Markets*, press release, (August 6, 2025), https://ir.energytransfer.com/news-releases/news-release-details/energy-transfer-announces-natural-gas-pipeline-project-serve; Also included is the Helena-to-Three Forks Pipeline Project (NorthWestern Energy), a proposed natural gas pipeline in Montana, spanning from Helena south to the Three Forks area. It aims to enhance service reliability, add system redundancy by linking existing infrastructure, and support regional energy needs. Construction is expected to begin in 2027. NorthWestern Energy Group, Inc., Helena to Three Forks Natural Gas Transmission Pipeline Project 2024, (Accessed Oct. 7, 2025), https://northwesternenergy.com/about-us/our-projects/helena-to-three-forks-pipeline-project#.

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2025-2026 Winter Energy Market and Electric Reliability Assessment

market.assessments@ferc.gov

This concludes the 2025-2026 Winter Energy Market and Electric Reliability Assessment. For questions regarding this report please contact market.assessments@ferc.gov.

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c) Emergency Order: Midcontinent Independent System Operator (MISO)	)))))	Order No. 202-25-9

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 145

NERC Email

Subject: Announcement | NERC 2025-2026 Winter Reliability Assessment | Rising Demand, Evolving Resources Continue to Challenge Winter Grid Reliability
Date: Tuesday, November 18, 2025 at 2:02:44 PM Eastern Standard Time
From: NERC Communications Announcements (Do Not Reply) (SM)
To: Rachel Sherrard
Attachments: image007.jpg, image008.png, image009.png, image010.png, image002.png

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Announcement

Rising Demand, Evolving Resources Continue to Challenge Winter Grid Reliability

Full Announcement | 2025-2026 Winter Reliability Assessment | Infographic | Video

WASHINGTON, D.C.— NERC's *2025–2026 Winter Reliability Assessment* (WRA) finds that much of North America is again at an elevated risk of having insufficient energy supplies to meet demand in extreme operating conditions. Although resources are adequate for normal winter peak demand, any prolonged, wide-area cold snaps will be challenging. This is largely due to rising electricity demand, which has grown by 20 GW since last winter, significantly outpacing winter on-peak capacity. This, coupled with the changing resource mix, is affecting the winter outlook.

Undertaken annually in coordination with the Regional Entities, NERC's WRA examines multiple factors that collectively provide deep and unique insights into reliability risk. These factors include resource adequacy, encompassing reserve margins and scenarios to identify operational risk; fuel assurance; and preparations to mitigate reliability concerns.

For more information or assistance, please contact NERC Communications

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