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January 11, 2018

The Honorable James Richard Perry
Secretary of the Energy
United States Department of Energy
1000 Independence Ave, SW
Washington, DC 20585

Re: Report on Yorktown Units 1 and 2 Operations Pursuant to Order No. 202-18-2

Dear Secretary Perry:

Pursuant to Order No. 202-18-2 issued on December 13, 2017 (the “Order”) by the Secretary of Energy (“Secretary”), PJM Interconnection, L.L.C. (“PJM”) and Virginia Electric and Power Company (“Dominion Energy Virginia”) respectfully submit the attached air emissions report regarding PJM’s dispatch of Yorktown Unit 2 from January 2 through 8, 2018, including the periods needed to startup and ramp down the unit January 1 and January 8. This report is submitted in accordance with the Secretary’s directive that every two weeks PJM and Dominion are to “report all dates between December 13, 2017 and March 12, 2018, on which Yorktown Units 1 and/or 2 are operated, and the associated air emissions and water usage data for those dates.”¹

In the Order, the Secretary determined “that an emergency continues to exist in the North Hampton Roads area of Virginia due to a shortage of electric energy and a shortage of facilities for the generation of electric energy.” The Secretary found that the issuance of this Order will meet the emergency and serve the public interest as required by Federal Power Act Section 202(c)”² In doing so, the Secretary directed Dominion Energy Virginia to operate Yorktown Units 1 and/or 2 as directed by

¹ Order at page 2. As explained below, complete water usage data for the Unit 2 dispatch was not available in time for this report and will be filed once the data is complete.

² Order at page 1.

PJM only as needed to ensure grid reliability for a 90-day period December 13, 2017 and March 12, 2018.³

On January 1, PJM directed Dominion Energy Virginia to have Yorktown Unit 2 available the next day, and Dominion Energy Virginia began the startup process at approximately 20 hundred hours, and the unit was on line and generating power on January 2 at 17 hundred hours. PJM dispatched the unit off line around 11 hundred hours on January 8, and Dominion Energy Virginia determined that in the interests of safety and good operating practice, the unit would continue to run to empty the bunkers of coal. Emptying of the Yorktown coal bunkers is necessary and a standard operating procedure to prevent fires and to prevent the coal from packing and not flowing after sitting dormant for an extended period. That activity took until about 18 hundred hours on January 8.

Attachment 1 to this report is the Yorktown Power Station Bi-Weekly Mass Emissions for December 26 through January 8 that shows the actual runtime and air emissions data. This spreadsheet includes hourly runtime data for Yorktown Unit 2, hourly gross Megawatt (MW) outputs, and raw and calculated data showing air emissions data associated with operations of Yorktown Unit 2.⁴ PJM did not direct the operation of Yorktown Unit 1 during this time period, and Unit 1 did not operate.

The information in Attachment 1 reports Yorktown Unit 2 hourly emissions of PM-10 and SO₂ in pounds per hour and pounds per million BTU, and mercury in pounds per hour and pounds per trillion BTU (Mercury and Air Toxics Standards (MATS) format) for the operating period beginning December 6, 2017 through January 8, 2018. Additionally, Attachment 1 provides Unit 2 hourly emissions of NO_x in pounds per hour, greenhouse gases (as CO₂) in tons per hour, lead in pounds per hour, HCl in pounds per hour, HF in pounds per hour, and CO in pounds per hour. NO_x and SO₂ emissions are based on valid hours of Continuous Emissions Monitoring System (CEMS) data for the period. PM-10 emissions are

³ Order at page 2.

⁴ The Yorktown units can emit pollution while not generating MWs (*e.g.* during standby, startup and shutdown sequences). Thus, Attachment 1 shows the MW output during the period Yorktown Unit 2 provided power to the grid including startup and shutdown processes (January 1 and 8) and it shows the emissions data for operations of Yorktown Unit 2 including times when the unit was not generating power.

based on the emission factor derived from the July 21, 2017 stack test (0.0168 lbs/mmBtu corrected to 0.1143 lbs/mmBtu calculated for PM-10 filterable plus condensable). CO₂ emissions are based on valid CEMS hours for the operating period. All other emissions were calculated using emission factors from AP-42, Fifth Edition, Volume 1, Chapter 1: External Combustion Sources and calculated hourly coal consumption in tons.⁵

This report does not include the intake circulating water usage for Yorktown Unit 2 operations required by the Order. Operation of cooling water pumps extends over a period of time longer than unit operation to facilitate cooling of plant components that support the boiler and turbine. As a general rule cooling water will continue to be pumped until the turbine metal temperature is less than 300 °F. However, sometimes additional cooling water is necessary to complete proper cool down of auxiliary equipment and lubrication fluids after the turbine metal reaches 300 °F, as was the case with the Yorktown Unit 2 operations in January. PJM and Dominion Energy Virginia commit to providing the water usage data as soon as possible after the data is compiled, reviewed, and formatted to provide to DOE.

PJM and Dominion Energy Virginia respectfully submits the information in this report be accepted by the Secretary as compliant with the Order's directives to report all dates on which Yorktown

⁵ Mercury and lead emissions were calculated using AP-42, Table 1.1-18. CO emissions were calculated using emission factors from AP-42, Table 1.1-3. Total HAP metals and individual HAP metals are not provided because MATS Table 2 (40 CFR 63, Subpart UUUUU) provides for compliance with either the PM limit or total non-mercury HAP metals limits or individual HAP metals. Dominion Energy Virginia is providing PM-10 emissions for the purposes of MATS. HCl and HF emissions were calculated using emission factors from AP-42, Table 1.1-15.

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Units 1 and/or 2 are operated December 13, 2017 and March 12, 2018, as well as the associated air emissions associated with their operations.

Respectfully submitted,

/s/ Steven R. Pincus

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Casey Roberts, Sierra Club Environmental Law Program

Attachment 1

Dominion Energy - Yorktown Power Station
Bi-Weekly Mass Emissions
December 26, 2017 through January 8, 2018

Substituted Data	Unit 1 Load		Unit 2 Load		Common Stack												
	Date & Hour	(Gross MW)	(Gross MW)	Operation (x.xx Hour)	Heat Input (mmBtu)	NOx (Lbs)	SO2 (Lbs)	SO2 (Lbs/mmBtu)	CO2 (Tons)	Coal (Tons)	PM10 (Lbs)	PM10 (Lbs/mmBtu)	Lead (Lbs)	Mercury (Lbs)	Mercury (Lbs/Tbtu)	HCl (Lbs)	HF (Lbs)
	12-26-2017 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 17	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 18	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-26-2017 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 17	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 18	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-27-2017 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0

Dominion Energy - Yorktown Power Station
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December 26, 2017 through January 8, 2018

Substituted Data	Unit 1 Load		Unit 2 Load		Common Stack												
	Date & Hour	(Gross MW)	(Gross MW)	Operation (x.xx Hour)	Heat Input (mmBtu)	NOx (Lbs)	SO2 (Lbs)	SO2 (Lbs/mmBtu)	CO2 (Tons)	Coal (Tons)	PM10 (Lbs)	PM10 (Lbs/mmBtu)	Lead (Lbs)	Mercury (Lbs)	Mercury (Lbs/Tbtu)	HCl (Lbs)	HF (Lbs)
	12-28-2017 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 17	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 18	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-28-2017 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 17	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 18	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-29-2017 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0

Dominion Energy - Yorktown Power Station
Bi-Weekly Mass Emissions
December 26, 2017 through January 8, 2018

Substituted Data	Unit 1 Load		Unit 2 Load		Common Stack												
	Date & Hour	(Gross MW)	(Gross MW)	Operation (x.xx Hour)	Heat Input (mmBtu)	NOx (Lbs)	SO2 (Lbs)	SO2 (Lbs/mmBtu)	CO2 (Tons)	Coal (Tons)	PM10 (Lbs)	PM10 (Lbs/mmBtu)	Lead (Lbs)	Mercury (Lbs)	Mercury (Lbs/Tbtu)	HCl (Lbs)	HF (Lbs)
	12-30-2017 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 17	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 18	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-30-2017 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 17	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 18	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	12-31-2017 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 00	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 01	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 02	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 03	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 04	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 05	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 06	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 07	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 08	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 09	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 10	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 11	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 12	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 13	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 14	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 15	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-01-2018 16	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0

Dominion Energy - Yorktown Power Station
Bi-Weekly Mass Emissions
December 26, 2017 through January 8, 2018

Substituted Data	Date & Hour	Unit 1 Load (Gross MW)	Unit 2 Load (Gross MW)	Common Stack													
				Operation (x.xx Hour)	Heat Input (mmBtu)	NOx (Lbs)	SO2 (Lbs)	SO2 (Lbs/mmBtu)	CO2 (Tons)	Coal (Tons)	PM10 (Lbs)	PM10 (Lbs/mmBtu)	Lead (Lbs)	Mercury (Lbs)	Mercury (Lbs/Tbtu)	HCl (Lbs)	HF (Lbs)
	01-08-2018 11	0	146	1.00	1371.1	584.1	2286.9	1.67	140.7	54.63	156.71673	0.1143	0.003880213	0.004533916	3.306772908	65.55059761	8.193824701
	01-08-2018 12	0	147	1.00	1368.3	587.0	2152.5	1.57	140.4	54.51	156.39669	0.1143	0.003872289	0.004524657	3.306772908	65.41673307	8.177091633
	01-08-2018 13	0	137	1.00	1254.0	491.6	1936.4	1.54	128.7	49.96	143.3322	0.1143	0.00354882	0.004146693	3.306772908	59.95219124	7.494023904
	01-08-2018 14	0	124	1.00	1189.4	437.7	1794.7	1.51	122.0	47.39	135.94842	0.1143	0.003366002	0.003933076	3.306772908	56.86374502	7.107968127
	01-08-2018 15	0	83	1.00	768.5	274.4	1067.6	1.39	78.8	30.62	87.83955	0.1143	0.002174855	0.002541255	3.306772908	36.74103586	4.592629482
	01-08-2018 16	0	47	1.00	520.8	205.2	634.4	1.22	53.4	20.75	59.52744	0.1143	0.001473864	0.001722167	3.306772908	24.89880478	3.112350598
	01-08-2018 17	0	43	1.00	495.3	161.0	574.5	1.16	50.8	19.73	56.61279	0.1143	0.001401699	0.001637845	3.306772908	23.67968127	2.959960159
	01-08-2018 18	0	27	0.67	319.5	105.4	370.5	1.16	32.8	12.73	36.5138208	0.1143	0.00090406	0.001056368	3.306772908	15.27279681	1.909099602
	01-08-2018 19	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-08-2018 20	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-08-2018 21	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-08-2018 22	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
	01-08-2018 23	0	0	0.00	0.0	0.0	0.0	0	0.0	0.00	0	0	0	0	0	0	0
			Bi-Weekly Total Tons		192031.9 mmBtu	44.4	157.6		19702.3	7650.7	10.97462565675		0.00027172520	0.00031750302		4.59040505976	0.57380063247

Note:

All data are collected and processed in accordance with Part 75.
Data with orange fill are substituted in accordance with Part 75.
Monthly sums may not agree with data published by EPA due to the handling of quarterly and annual totals.