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U.S. Energy Information Administration

# Electric Power Monthly
## with Data for July 2020

September 2020

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# Preface

The Electric Power Monthly (EPM) presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric power industry, and the general public. The purpose of this publication is to provide energy decision makers with accurate and timely information that may be used in forming various perspectives on electric issues that lie ahead. In order to provide an integrated view of the electric power industry, data in this report have been separated into two major categories: electric power sector and combined heat and power producers. The U.S. Energy Information Administration (EIA) collected the information in this report to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93 275) as amended.

## Background

The Office of Electricity, Renewables & Uranium Statistics, U.S. EIA, U.S. Department of Energy, prepares the EPM. This publication provides monthly statistics at the State (lowest level of aggregation), Census Division, and U.S. levels for net generation, fossil fuel consumption and stocks, cost, quantity, and quality of fossil fuels received, sales of electricity to ultimate consumers, associated revenue, and average price of electricity sold. In addition, the report contains rolling 12-month totals in the national overviews, as appropriate.

## Data sources

The EPM contains information from the following data sources: Form EIA-923, "Power Plant Operations Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-860, "Annual Electric Generator Report;" Form EIA-860M, "Monthly Update to the Annual Electric Generator Report;" and Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from: http://www.eia.gov/survey/#electricity. A detailed description of these forms and associated algorithms are found in Appendix C, “Technical Notes.”

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# Executive Summary

## Table ES1.A. Total Electric Power Industry Summary Statistics, 2020 and 2019

| Net Generation and Consumption of Fuels for July | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total (All Sectors) | | | Electric Power Sector | | | | Commercial | | Industrial | | Residential | |
| | | | | | Electric Utilities | | Independent Power Producers | | | | | | | |
| Fuel | Facility Type | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Net Generation (Thousand Megawatthours) | | | | | | | | | | | | | | |
| Coal | Utility Scale Facilities | 89,663 | 100,981 | -11.2% | 69,357 | 77,053 | 19,834 | 23,342 | 19 | NM | 453 | 566 | 0 | 0 |
| Petroleum Liquids | Utility Scale Facilities | 950 | 1,029 | -7.6% | 689 | 715 | 220 | 274 | 10 | 10 | 32 | 30 | 0 | 0 |
| Petroleum Coke | Utility Scale Facilities | 869 | 746 | 16.4% | 678 | 551 | 138 | NM | 0 | 0 | 53 | 118 | 0 | 0 |
| Natural Gas | Utility Scale Facilities | 185,407 | 174,341 | 6.3% | 92,158 | 87,423 | 84,147 | 77,551 | 809 | 813 | 8,293 | 8,554 | 0 | 0 |
| Other Gas | Utility Scale Facilities | 878 | 1,290 | -32.0% | 6 | 18 | 144 | 390 | 0 | 0 | 728 | 882 | 0 | 0 |
| Nuclear | Utility Scale Facilities | 69,385 | 72,199 | -3.9% | 37,583 | 39,023 | 31,802 | 33,176 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hydroelectric Conventional | Utility Scale Facilities | 25,960 | 23,730 | 9.4% | 24,157 | 21,637 | 1,690 | 1,983 | 23 | NM | 90 | 94 | 0 | 0 |
| Renewable Sources Excluding Hydroelectric | Utility Scale Facilities | 39,059 | 36,761 | 6.3% | 4,704 | 4,281 | 31,824 | 29,751 | 297 | 296 | 2,234 | 2,433 | 0 | 0 |
| ... Wind | Utility Scale Facilities | 22,700 | 22,024 | 3.1% | 3,221 | 3,138 | 19,396 | 18,865 | 12 | 12 | 71 | NM | 0 | 0 |
| ... Solar Thermal and Photovoltaic | Utility Scale Facilities | 10,284 | 8,169 | 25.9% | 1,061 | 655 | 9,135 | 7,434 | 76 | 70 | 12 | 9 | 0 | 0 |
| ... Wood and Wood-Derived Fuels | Utility Scale Facilities | 3,119 | 3,569 | -12.6% | 242 | 314 | 776 | 885 | 13 | 16 | 2,089 | 2,354 | 0 | 0 |
| ... Other Biomass | Utility Scale Facilities | 1,506 | 1,587 | -5.1% | 92 | 90 | 1,187 | 1,272 | 165 | 164 | 62 | 61 | 0 | 0 |
| ... Geothermal | Utility Scale Facilities | 1,449 | 1,412 | 2.7% | 88 | 83 | 1,330 | 1,296 | 30 | 33 | 0 | 0 | 0 | 0 |
| Hydroelectric Pumped Storage | Utility Scale Facilities | -686 | -622 | 10.2% | -595 | -505 | -91 | -118 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Energy Sources | Utility Scale Facilities | 1,094 | 1,162 | -5.8% | 42 | 40 | 609 | 640 | 90 | 91 | 354 | 391 | 0 | 0 |
| All Energy Sources | Utility Scale Facilities | 412,579 | 411,616 | 0.2% | 228,778 | 230,233 | 170,316 | 167,067 | 1,247 | 1,247 | 12,237 | 13,068 | 0 | 0 |
| | | | | | | | | | | | | | | |
| Estimated Small Scale Solar Photovoltaic | Small Scale Facilities | 4,409 | 3,772 | 16.9% | 0 | 0 | 0 | 0 | 1,369 | 1,184 | 370 | 321 | 2,670 | 2,267 |
| Estimated Total Solar Photovoltaic | All Facilities | 14,249 | 11,541 | 23.5% | 1,057 | 654 | 8,695 | 7,036 | 1,445 | 1,254 | 382 | 330 | 2,670 | 2,267 |
| Estimated Total Solar | All Facilities | 14,693 | 11,941 | 23.1% | 1,061 | 655 | 9,135 | 7,434 | 1,445 | 1,254 | 382 | 330 | 2,670 | 2,267 |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 49,693 | 56,062 | -11.4% | 38,107 | 42,233 | 11,434 | 13,617 | 5 | 6 | 147 | 205 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 1,720 | 1,820 | -5.5% | 1,267 | 1,287 | 397 | 475 | 25 | 25 | 32 | 33 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 346 | 314 | 10.2% | 270 | 227 | 62 | 61 | 0 | 0 | 14 | 25 | 0 | 0 |
| Natural Gas (1000 Mcf) | Utility Scale Facilities | 1,395,122 | 1,294,629 | 7.8% | 717,125 | 673,371 | 621,023 | 565,943 | 4,922 | 5,002 | 52,052 | 50,313 | 0 | 0 |
| Consumption of Fossil Fuels for Useful Thermal Output | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 856 | 969 | -11.7% | 162 | 186 | 52 | 87 | 31 | 34 | 612 | 662 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 144 | 120 | 20.4% | 3 | 4 | 17 | 14 | 26 | 25 | 98 | 76 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 71 | 79 | -10.1% | 1 | 2 | 7 | 8 | 0 | 0 | 64 | 69 | 0 | 0 |
| Natural Gas (1000 Mcf) | Utility Scale Facilities | 106,597 | 104,637 | 1.9% | 4,930 | 4,806 | 30,967 | 29,104 | 6,770 | 6,792 | 63,931 | 63,934 | 0 | 0 |
| Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 50,549 | 57,031 | -11.4% | 38,268 | 42,419 | 11,486 | 13,704 | 36 | 40 | 759 | 867 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 1,864 | 1,939 | -3.9% | 1,270 | 1,291 | 414 | 489 | 50 | 50 | 130 | 109 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 417 | 393 | 6.1% | 271 | 230 | 69 | 69 | 0 | 0 | 78 | 95 | 0 | 0 |
| Natural Gas (1000 Mcf) | Utility Scale Facilities | 1,501,719 | 1,399,265 | 7.3% | 722,054 | 678,178 | 651,990 | 595,047 | 11,692 | 11,794 | 115,983 | 114,247 | 0 | 0 |
| Fuel Stocks (end-of-month) | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 138,876 | 111,505 | 24.5% | 110,991 | 89,638 | 27,363 | 21,295 | 57 | 51 | 465 | 521 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 27,832 | 27,458 | 1.4% | 16,572 | 16,750 | 9,990 | 9,100 | 395 | 385 | 876 | 1,223 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 528 | 478 | 10.5% | 424 | 348 | 19 | 8 | 1 | 1 | 84 | 122 | 0 | 0 |

| Sales, Revenue, and Average Price of Electricity to Ultimate Customers for July | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Total U.S. Electric Power Industry | | | | | | | | |
| | Sales of Electricity to Ultimate Customers (million kWh) | | | Revenue from Sales of Electricity to Ultimate Customers (million dollars) | | | Average Price of Electricity to Ultimate Customers (cents/kWh) | | |
| Sector | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | Percentage Change |
| Residential | 166,773 | 153,141 | 8.9% | 22,111 | 20,346 | 8.7% | 13.26 | 13.29 | -0.2% |
| Commercial | 126,048 | 130,429 | -3.4% | 13,722 | 14,355 | -4.4% | 10.89 | 11.01 | -1.1% |
| Industrial | 81,314 | 86,057 | -5.5% | 5,828 | 6,186 | -5.8% | 7.17 | 7.19 | -0.3% |
| Transportation | 555 | 646 | -14.1% | 56 | 64 | -11.6% | 10.16 | 9.88 | 2.8% |
| All Sectors | 374,690 | 370,272 | 1.2% | 41,719 | 40,950 | 1.9% | 11.13 | 11.06 | 0.6% |

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
Sales of electricity to ultimate customers and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

## Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2020 and 2019

| Net Generation and Consumption of Fuels for January through July | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total (All Sectors) | | | Electric Power Sector | | | | Commercial | | Industrial | | Residential | |
| | | | | | Electric Utilities | | Independent Power Producers | | | | | | | |
| Fuel | Facility Type | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| Net Generation (Thousand Megawatthours) | | | | | | | | | | | | | | |
| Coal | Utility Scale Facilities | 414,029 | 571,110 | -27.5% | 312,025 | 427,654 | 98,620 | 139,550 | 138 | 168 | 3,246 | 3,738 | 0 | 0 |
| Petroleum Liquids | Utility Scale Facilities | 5,504 | 6,724 | -18.1% | 4,117 | 4,657 | 1,116 | 1,741 | 50 | 61 | 220 | 265 | 0 | 0 |
| Petroleum Coke | Utility Scale Facilities | 4,800 | 4,720 | 1.7% | 3,596 | 3,439 | 897 | 870 | 2 | 4 | 305 | 407 | 0 | 0 |
| Natural Gas | Utility Scale Facilities | 935,600 | 873,834 | 7.1% | 470,044 | 433,095 | 404,373 | 379,829 | 4,760 | 4,919 | 56,424 | 55,990 | 0 | 0 |
| Other Gas | Utility Scale Facilities | 6,927 | 7,963 | -13.0% | 47 | 106 | 1,640 | 2,465 | 0 | 0 | 5,239 | 5,392 | 0 | 0 |
| Nuclear | Utility Scale Facilities | 464,250 | 472,203 | -1.7% | 253,124 | 251,610 | 211,126 | 220,593 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hydroelectric Conventional | Utility Scale Facilities | 176,452 | 177,325 | -0.5% | 161,351 | 161,590 | 14,265 | 14,919 | 144 | 140 | 692 | 676 | 0 | 0 |
| Renewable Sources Excluding Hydroelectric | Utility Scale Facilities | 293,797 | 262,071 | 12.1% | 38,191 | 32,943 | 237,825 | 210,999 | 1,970 | 1,954 | 15,811 | 16,175 | 0 | 0 |
| ... Wind | Utility Scale Facilities | 197,683 | 174,894 | 13.0% | 29,632 | 25,945 | 167,758 | 148,775 | 111 | 109 | 182 | 65 | 0 | 0 |
| ... Solar Thermal and Photovoltaic | Utility Scale Facilities | 54,023 | 43,593 | 23.9% | 5,973 | 3,927 | 47,584 | 39,248 | 406 | 370 | 59 | 48 | 0 | 0 |
| ... Wood and Wood-Derived Fuels | Utility Scale Facilities | 21,935 | 23,256 | -5.7% | 1,401 | 1,888 | 5,411 | 5,733 | 44 | 54 | 15,079 | 15,580 | 0 | 0 |
| ... Other Biomass | Utility Scale Facilities | 10,687 | 10,802 | -1.1% | 634 | 636 | 8,418 | 8,522 | 1,144 | 1,162 | 491 | 483 | 0 | 0 |
| ... Geothermal | Utility Scale Facilities | 9,470 | 9,527 | -0.6% | 550 | 547 | 8,654 | 8,721 | 265 | 259 | 0 | 0 | 0 | 0 |
| Hydroelectric Pumped Storage | Utility Scale Facilities | -2,882 | -2,600 | 10.9% | -2,327 | -2,001 | -555 | -598 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Energy Sources | Utility Scale Facilities | 7,382 | 7,691 | -4.0% | 277 | 269 | 4,114 | 4,199 | 597 | 624 | 2,394 | 2,599 | 0 | 0 |
| All Energy Sources | Utility Scale Facilities | 2,305,859 | 2,381,041 | -3.2% | 1,240,445 | 1,313,360 | 973,422 | 974,566 | 7,661 | 7,871 | 84,331 | 85,243 | 0 | 0 |
| | | | | | | | | | | | | | | |
| Estimated Small Scale Solar Photovoltaic | Small Scale Facilities | 25,025 | 21,084 | 18.7% | 0 | 0 | 0 | 0 | 7,821 | 6,727 | 2,088 | 1,817 | 15,117 | 12,540 |
| Estimated Total Solar Photovoltaic | All Facilities | 76,900 | 62,675 | 22.7% | 5,945 | 3,908 | 45,465 | 37,266 | 8,227 | 7,097 | 2,147 | 1,865 | 15,117 | 12,540 |
| Estimated Total Solar | All Facilities | 79,048 | 64,677 | 22.2% | 5,973 | 3,927 | 47,584 | 39,248 | 8,227 | 7,097 | 2,147 | 1,865 | 15,117 | 12,540 |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 234,429 | 318,754 | -26.5% | 174,885 | 236,752 | 58,384 | 80,637 | 41 | 48 | 1,119 | 1,317 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 10,099 | 11,883 | -15.0% | 7,709 | 8,522 | 2,037 | 2,956 | 126 | 127 | 227 | 278 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 1,885 | 1,890 | -0.3% | 1,451 | 1,379 | 346 | 403 | 1 | 1 | 88 | 107 | 0 | 0 |
| Natural Gas (1000 Mcf) | Utility Scale Facilities | 6,846,486 | 6,384,300 | 7.2% | 3,580,340 | 3,306,828 | 2,897,594 | 2,716,069 | 29,166 | 30,593 | 339,387 | 330,810 | 0 | 0 |
| Consumption of Fossil Fuels for Useful Thermal Output | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 6,215 | 7,600 | -18.2% | 949 | 1,270 | 341 | 763 | 222 | 266 | 4,702 | 5,302 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 911 | 1,423 | -36.0% | 26 | 48 | 95 | 156 | 137 | 277 | 653 | 941 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 409 | 522 | -21.7% | 11 | 10 | 56 | 57 | 3 | 5 | 338 | 450 | 0 | 0 |
| Natural Gas (1000 Mcf) | Utility Scale Facilities | 728,323 | 717,970 | 1.4% | 28,524 | 26,931 | 204,006 | 198,592 | 45,845 | 46,696 | 449,948 | 445,750 | 0 | 0 |
| Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output | | | | | | | | | | | | | | |
| Coal (1000 tons) | Utility Scale Facilities | 240,644 | 326,354 | -26.3% | 175,834 | 238,021 | 58,726 | 81,400 | 263 | 314 | 5,821 | 6,619 | 0 | 0 |
| Petroleum Liquids (1000 barrels) | Utility Scale Facilities | 11,010 | 13,306 | -17.3% | 7,735 | 8,571 | 2,132 | 3,112 | 263 | 404 | 879 | 1,219 | 0 | 0 |
| Petroleum Coke (1000 tons) | Utility Scale Facilities | 2,294 | 2,412 | -4.9% | 1,462 | 1,389 | 402 | 460 | 4 | 7 | 426 | 557 | 0 | 0 |
| Natural Gas (1000 Mcf) | Utility Scale Facilities | 7,574,809 | 7,102,270 | 6.7% | 3,608,863 | 3,333,760 | 3,101,600 | 2,914,661 | 75,011 | 77,289 | 789,335 | 776,560 | 0 | 0 |

| Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through July | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Total U.S. Electric Power Industry | | | | | | | | |
| | Sales of Electricity to Ultimate Customers (million kWh) | | | Revenue from Sales of Electricity to Ultimate Customers (million dollars) | | | Average Price of Electricity to Ultimate Customers (cents/kWh) | | |
| Sector | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | Percentage Change |
| Residential | 840,472 | 823,734 | 2.0% | 110,126 | 107,394 | 2.5% | 13.10 | 13.04 | 0.5% |
| Commercial | 731,307 | 778,485 | -6.1% | 77,166 | 82,631 | -6.6% | 10.55 | 10.61 | -0.6% |
| Industrial | 527,733 | 551,901 | -4.4% | 34,846 | 37,338 | -6.7% | 6.60 | 6.77 | -2.5% |
| Transportation | 3,879 | 4,546 | -14.7% | 377 | 444 | -15.2% | 9.71 | 9.77 | -0.6% |
| All Sectors | 2,103,391 | 2,158,667 | -2.6% | 222,515 | 227,806 | -2.3% | 10.58 | 10.55 | 0.3% |

YTD = Year to Date
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W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
Sales of electricity to ultimate customers and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

## Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2020 and 2019

| Total (All Sectors) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Year-to-Date | | | |
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Physical Units) | | (Dollars / Physical Unit) | | Number of Plants | | (Physical Units) | | (Dollars / Physical Unit) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal (1000 tons) | 37,428 | 49,099 | 36.76 | 38.68 | 213 | 243 | 243,660 | 323,409 | 36.32 | 39.78 |
| Petroleum Liquids (1000 barrels) | 1,166 | 977 | 49.14 | 82.54 | 115 | 114 | 7,187 | 8,443 | 57.75 | 83.01 |
| Petroleum Coke (1000 tons) | 201 | 201 | 45.31 | 57.67 | 5 | 6 | 1,487 | 1,081 | 42.41 | 64.02 |
| Natural Gas (1000 Mcf) | 1,239,293 | 1,162,227 | 2.09 | 2.62 | 586 | 585 | 6,389,583 | 6,006,388 | 2.28 | 3.18 |

| Electric Utilities | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Year-to-Date | | | |
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Physical Units) | | (Dollars / Physical Unit) | | Number of Plants | | (Physical Units) | | (Dollars / Physical Unit) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal (1000 tons) | 28,639 | 37,394 | 37.91 | 40.05 | 152 | 168 | 181,028 | 238,757 | 37.40 | 41.16 |
| Petroleum Liquids (1000 barrels) | 911 | 728 | 47.48 | 79.99 | 81 | 77 | 5,235 | 6,372 | 58.70 | 82.45 |
| Petroleum Coke (1000 tons) | 183 | 199 | 45.13 | 57.76 | 4 | 5 | 1,469 | 1,080 | 42.35 | 64.04 |
| Natural Gas (1000 Mcf) | 605,922 | 573,479 | 2.27 | 2.74 | 302 | 301 | 3,162,889 | 2,943,334 | 2.51 | 3.34 |

| Independent Power Producers | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Year-to-Date | | | |
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Physical Units) | | (Dollars / Physical Unit) | | Number of Plants | | (Physical Units) | | (Dollars / Physical Unit) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal (1000 tons) | 8,300 | 11,154 | 31.98 | 33.51 | 49 | 57 | 58,908 | 80,403 | 32.08 | 34.96 |
| Petroleum Liquids (1000 barrels) | 234 | 236 | 54.83 | 90.86 | 27 | 29 | 1,788 | 1,907 | 54.14 | 85.03 |
| Petroleum Coke (1000 tons) | 0 | 0 | – | – | 0 | 0 | 0 | 0 | – | – |
| Natural Gas (1000 Mcf) | 567,914 | 522,062 | 1.89 | 2.46 | 239 | 237 | 2,775,280 | 2,609,074 | 1.99 | 2.98 |

| Commercial Sector | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Year-to-Date | | | |
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Physical Units) | | (Dollars / Physical Unit) | | Number of Plants | | (Physical Units) | | (Dollars / Physical Unit) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal (1000 tons) | 0 | 0 | – | 67.69 | 0 | 1 | 4 | 5 | 67.52 | 65.77 |
| Petroleum Liquids (1000 barrels) | 0 | 0 | – | – | 0 | 0 | 0 | 0 | – | – |
| Petroleum Coke (1000 tons) | 0 | 0 | – | – | 0 | 0 | 0 | 0 | – | – |
| Natural Gas (1000 Mcf) | 599 | 701 | 3.24 | 3.26 | 3 | 3 | 4,615 | 5,314 | 3.23 | 3.41 |

| Industrial Sector | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Year-to-Date | | | |
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Physical Units) | | (Dollars / Physical Unit) | | Number of Plants | | (Physical Units) | | (Dollars / Physical Unit) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal (1000 tons) | 488 | 551 | 50.24 | 50.57 | 12 | 17 | 3,720 | 4,245 | 51.00 | 52.80 |
| Petroleum Liquids (1000 barrels) | 20 | 13 | 57.95 | 74.33 | 7 | 8 | 164 | 164 | 66.51 | 81.03 |
| Petroleum Coke (1000 tons) | 19 | 2 | 47.01 | 46.96 | 1 | 1 | 19 | 2 | 47.01 | 46.96 |
| Natural Gas (1000 Mcf) | 64,859 | 65,986 | 1.89 | 2.57 | 42 | 44 | 446,799 | 448,666 | 2.06 | 3.11 |

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... A plant using more than one fuel may be counted multiple times.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.

## Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2020 and 2019

**Total (All Sectors)**

| | | | | | | | Year-to-Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Billion Btu) | | (Dollars / Million Btu) | | Number of Plants | | (Billion Btu) | | (Dollars / Million Btu) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal | 710,655 | 938,466 | 1.94 | 2.02 | 213 | 243 | 4,599,027 | 6,236,114 | 1.92 | 2.06 |
| Petroleum Liquids | 7,035 | 5,853 | 8.14 | 13.78 | 115 | 114 | 43,112 | 50,943 | 9.63 | 13.76 |
| Petroleum Coke | 5,610 | 5,766 | 1.62 | 2.01 | 5 | 6 | 42,179 | 30,954 | 1.50 | 2.24 |
| Natural Gas | 1,276,779 | 1,201,858 | 2.03 | 2.53 | 586 | 585 | 6,599,946 | 6,204,956 | 2.20 | 3.08 |
| Fossil Fuels | 2,000,079 | 2,151,942 | 2.02 | 2.33 | 720 | 729 | 11,284,264 | 12,522,967 | 2.11 | 2.60 |

**Electric Utilities**

| | | | | | | | Year-to-Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Billion Btu) | | (Dollars / Million Btu) | | Number of Plants | | (Billion Btu) | | (Dollars / Million Btu) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal | 547,051 | 718,111 | 1.98 | 2.09 | 152 | 168 | 3,446,646 | 4,617,851 | 1.96 | 2.13 |
| Petroleum Liquids | 5,546 | 4,389 | 7.80 | 13.28 | 81 | 77 | 31,600 | 38,648 | 9.72 | 13.59 |
| Petroleum Coke | 5,104 | 5,723 | 1.62 | 2.01 | 4 | 5 | 41,673 | 30,912 | 1.49 | 2.24 |
| Natural Gas | 623,294 | 592,859 | 2.21 | 2.65 | 302 | 301 | 3,264,035 | 3,039,356 | 2.43 | 3.24 |
| Fossil Fuels | 1,180,996 | 1,321,082 | 2.13 | 2.38 | 396 | 400 | 6,783,954 | 7,726,766 | 2.22 | 2.62 |

**Independent Power Producers**

| | | | | | | | Year-to-Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Billion Btu) | | (Dollars / Million Btu) | | Number of Plants | | (Billion Btu) | | (Dollars / Million Btu) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal | 153,536 | 208,969 | 1.73 | 1.79 | 49 | 57 | 1,076,033 | 1,530,413 | 1.75 | 1.83 |
| Petroleum Liquids | 1,364 | 1,384 | 9.42 | 15.49 | 27 | 29 | 10,506 | 11,290 | 9.21 | 14.37 |
| Petroleum Coke | 0 | 0 | -- | -- | 0 | 0 | 0 | 0 | -- | -- |
| Natural Gas | 586,268 | 540,331 | 1.83 | 2.37 | 239 | 237 | 2,871,317 | 2,698,079 | 1.92 | 2.88 |
| Fossil Fuels | 741,169 | 750,684 | 1.82 | 2.21 | 276 | 280 | 3,957,856 | 4,239,782 | 1.89 | 2.49 |

**Commercial Sector**

| | | | | | | | Year-to-Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Billion Btu) | | (Dollars / Million Btu) | | Number of Plants | | (Billion Btu) | | (Dollars / Million Btu) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal | 0 | 1 | -- | 2.97 | 0 | 1 | 84 | 119 | 2.96 | 2.90 |
| Petroleum Liquids | 0 | 0 | -- | -- | 0 | 0 | 0 | 0 | -- | -- |
| Petroleum Coke | 0 | 0 | -- | -- | 0 | 0 | 0 | 0 | -- | -- |
| Natural Gas | 624 | 721 | 3.11 | 3.17 | 3 | 3 | 4,806 | 5,503 | 3.10 | 3.30 |
| Fossil Fuels | 624 | 723 | 3.11 | 3.17 | 3 | 3 | 4,890 | 5,622 | 3.10 | 3.29 |

**Industrial Sector**

| | | | | | | | Year-to-Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Cost | | | | Receipts | | Cost | |
| | (Billion Btu) | | (Dollars / Million Btu) | | Number of Plants | | (Billion Btu) | | (Dollars / Million Btu) | |
| Fuel | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| Coal | 10,067 | 11,385 | 2.44 | 2.45 | 12 | 17 | 76,264 | 87,732 | 2.49 | 2.55 |
| Petroleum Liquids | 125 | 80 | 9.45 | 11.99 | 7 | 8 | 1,006 | 1,005 | 10.84 | 13.21 |
| Petroleum Coke | 506 | 43 | 1.72 | 1.71 | 1 | 1 | 506 | 43 | 1.72 | 1.71 |
| Natural Gas | 66,592 | 67,946 | 1.84 | 2.49 | 42 | 44 | 459,789 | 462,019 | 2.00 | 3.02 |
| Fossil Fuels | 77,290 | 79,453 | 1.93 | 2.49 | 45 | 46 | 537,565 | 550,798 | 2.09 | 2.96 |

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... The total number of fossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

# Chapter 1

# Net Generation

**Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2010-July 2020**
**(Thousand Megawatthours)**

| | Generation at Utility Scale Facilities | | | | | | | | | | | | Small Scale Generation | Net Generation From Utility and Small Scale Facilities | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gas | Nuclear | Hydroelectric Conventional | Solar | Renewable Sources Excluding Hydroelectric and Solar | Hydroelectric Pumped Storage | Other | Total Generation at Utility Scale Facilities | Estimated Solar Photovoltaic | Estimated Total Solar Photovoltaic | Estimated Total Solar |
| Annual Totals | | | | | | | | | | | | | | | |
| 2010 | 1,847,290 | 23,337 | 13,724 | 987,697 | 11,313 | 806,968 | 260,203 | 1,212 | 165,961 | -5,501 | 12,855 | 4,125,060 | N/A | N/A | N/A |
| 2011 | 1,733,430 | 16,086 | 14,096 | 1,013,689 | 11,566 | 790,204 | 319,355 | 1,818 | 192,163 | -6,421 | 14,154 | 4,100,141 | N/A | N/A | N/A |
| 2012 | 1,514,043 | 13,403 | 9,787 | 1,225,894 | 11,898 | 769,331 | 276,240 | 4,327 | 214,006 | -4,950 | 13,787 | 4,047,765 | N/A | N/A | N/A |
| 2013 | 1,581,115 | 13,820 | 13,344 | 1,124,836 | 12,853 | 789,016 | 268,565 | 9,036 | 244,472 | -4,681 | 13,588 | 4,065,964 | N/A | N/A | N/A |
| 2014 | 1,581,710 | 18,276 | 11,955 | 1,126,609 | 12,022 | 797,166 | 259,367 | 17,691 | 261,522 | -6,174 | 13,461 | 4,093,606 | 11,233 | 26,482 | 28,924 |
| 2015 | 1,352,398 | 17,372 | 10,877 | 1,333,482 | 13,117 | 797,178 | 249,080 | 24,893 | 270,268 | -5,091 | 14,028 | 4,077,601 | 14,139 | 35,805 | 39,032 |
| 2016 | 1,239,149 | 13,008 | 11,197 | 1,378,307 | 12,807 | 805,694 | 267,812 | 36,054 | 305,579 | -6,686 | 13,754 | 4,076,675 | 18,812 | 51,483 | 54,866 |
| 2017 | 1,205,835 | 12,414 | 8,976 | 1,296,442 | 12,469 | 804,950 | 300,333 | 53,287 | 332,963 | -6,495 | 13,096 | 4,034,271 | 23,990 | 74,008 | 77,277 |
| 2018 | 1,149,487 | 16,245 | 8,981 | 1,469,133 | 13,463 | 807,084 | 292,524 | 63,825 | 350,467 | -5,905 | 12,973 | 4,178,277 | 29,539 | 89,773 | 93,365 |
| 2019 | 966,148 | 11,576 | 6,991 | 1,581,815 | 13,634 | 809,409 | 273,707 | 72,234 | 374,494 | -5,261 | 13,302 | 4,118,051 | 35,041 | 104,057 | 107,275 |
| Year 2018 | | | | | | | | | | | | | | | |
| January | 119,284 | 5,555 | 965 | 110,293 | 1,097 | 74,649 | 25,064 | 3,319 | 32,443 | -547 | 1,109 | 373,230 | 1,619 | 4,810 | 4,938 |
| February | 82,050 | 804 | 754 | 98,512 | 1,092 | 64,790 | 24,902 | 3,896 | 29,415 | -315 | 994 | 306,894 | 1,766 | 5,472 | 5,663 |
| March | 80,626 | 830 | 642 | 106,524 | 1,158 | 67,033 | 25,861 | 5,056 | 33,200 | -490 | 1,108 | 321,547 | 2,434 | 7,233 | 7,490 |
| April | 73,346 | 872 | 666 | 98,371 | 1,099 | 59,133 | 28,115 | 6,057 | 32,446 | -377 | 1,028 | 300,756 | 2,740 | 8,482 | 8,796 |
| May | 85,227 | 1,040 | 517 | 115,284 | 1,167 | 67,320 | 30,444 | 6,849 | 30,419 | -390 | 1,070 | 338,948 | 3,011 | 9,430 | 9,860 |
| June | 101,503 | 1,066 | 834 | 130,826 | 1,091 | 69,688 | 27,597 | 7,415 | 31,193 | -433 | 1,104 | 371,886 | 3,059 | 9,957 | 10,474 |
| July | 115,376 | 988 | 913 | 164,749 | 1,172 | 72,456 | 25,100 | 6,755 | 23,316 | -644 | 1,111 | 411,290 | 3,146 | 9,521 | 9,901 |
| August | 115,129 | 1,047 | 879 | 161,676 | 1,301 | 72,282 | 22,017 | 6,695 | 26,601 | -747 | 1,146 | 408,028 | 3,017 | 9,303 | 9,712 |
| Sept | 96,544 | 1,055 | 799 | 141,786 | 1,104 | 64,725 | 19,166 | 5,961 | 24,718 | -603 | 1,004 | 356,258 | 2,674 | 8,205 | 8,635 |
| October | 87,264 | 1,015 | 562 | 123,142 | 1,016 | 59,397 | 19,548 | 4,970 | 27,426 | -492 | 1,084 | 324,932 | 2,392 | 7,087 | 7,361 |
| November | 92,819 | 1,006 | 656 | 108,168 | 1,045 | 63,954 | 21,913 | 3,743 | 28,334 | -343 | 1,075 | 322,369 | 1,905 | 5,480 | 5,648 |
| December | 100,319 | 966 | 795 | 109,802 | 1,120 | 71,657 | 22,797 | 3,110 | 30,956 | -522 | 1,139 | 342,139 | 1,775 | 4,792 | 4,885 |
| Year 2019 | | | | | | | | | | | | | | | |
| January | 101,008 | 1,358 | 840 | 119,307 | 1,115 | 73,701 | 24,210 | 3,655 | 31,689 | -323 | 1,195 | 357,754 | 1,906 | 5,451 | 5,561 |
| February | 80,104 | 806 | 747 | 111,005 | 1,110 | 64,715 | 21,826 | 3,827 | 28,927 | -389 | 1,002 | 313,680 | 2,062 | 5,757 | 5,888 |
| March | 78,516 | 823 | 639 | 112,945 | 1,251 | 65,080 | 25,546 | 5,910 | 32,399 | -409 | 1,082 | 323,782 | 2,918 | 8,568 | 8,828 |
| April | 60,008 | 788 | 446 | 103,006 | 1,071 | 60,581 | 25,483 | 6,835 | 35,441 | -103 | 1,020 | 294,577 | 3,253 | 9,764 | 10,089 |
| May | 71,883 | 943 | 747 | 116,236 | 1,101 | 67,124 | 30,061 | 7,191 | 32,227 | -368 | 1,124 | 328,269 | 3,558 | 10,414 | 10,750 |
| June | 78,610 | 976 | 555 | 136,994 | 1,025 | 68,805 | 26,469 | 8,006 | 29,202 | -385 | 1,107 | 351,363 | 3,615 | 11,181 | 11,620 |
| July | 100,981 | 1,029 | 746 | 174,341 | 1,290 | 72,199 | 23,730 | 8,169 | 28,592 | -622 | 1,162 | 411,616 | 3,772 | 11,541 | 11,941 |
| August | 94,177 | 1,084 | 687 | 176,458 | 1,202 | 71,911 | 21,041 | 7,888 | 26,597 | -579 | 1,199 | 401,665 | 3,623 | 11,098 | 11,510 |
| Sept | 85,918 | 942 | 638 | 150,753 | 1,139 | 66,064 | 16,324 | 6,752 | 30,558 | -671 | 1,128 | 359,545 | 3,216 | 9,674 | 9,968 |
| October | 66,829 | 955 | 198 | 133,667 | 997 | 62,033 | 16,292 | 6,131 | 34,060 | -373 | 1,087 | 321,875 | 2,840 | 8,673 | 8,971 |
| November | 75,560 | 911 | 339 | 117,762 | 1,196 | 64,125 | 20,520 | 4,377 | 31,319 | -509 | 1,070 | 316,672 | 2,232 | 6,467 | 6,608 |
| December | 72,554 | 961 | 409 | 129,342 | 1,136 | 73,074 | 22,206 | 3,494 | 33,480 | -529 | 1,126 | 337,253 | 2,046 | 5,471 | 5,541 |
| Year 2020 | | | | | | | | | | | | | | | |
| January | 65,170 | 934 | 687 | 132,980 | 1,211 | 74,204 | 24,286 | 4,555 | 34,616 | -406 | 1,084 | 339,320 | 2,293 | 6,733 | 6,848 |
| February | 56,072 | 749 | 452 | 126,024 | 1,234 | 65,950 | 25,077 | 5,652 | 35,006 | -247 | 966 | 316,934 | 2,609 | 8,067 | 8,261 |
| March | 50,566 | 704 | 708 | 123,569 | 1,109 | 63,997 | 22,269 | 6,314 | 35,817 | -353 | 1,058 | 305,779 | 3,409 | 9,513 | 9,723 |
| April | 40,576 | 624 | 626 | 108,138 | 801 | 59,170 | 20,771 | 8,010 | 35,415 | -325 | 1,072 | 274,876 | 3,801 | 11,477 | 11,811 |
| May | 46,488 | 694 | 632 | 116,236 | 862 | 64,338 | 29,468 | 9,742 | 34,255 | -367 | 1,088 | 303,434 | 4,245 | 13,541 | 13,987 |
| June | 65,475 | 849 | 827 | 143,247 | 832 | 67,205 | 28,621 | 9,467 | 35,892 | -499 | 1,020 | 352,936 | 4,258 | 13,321 | 13,725 |
| July | 89,663 | 950 | 869 | 185,407 | 878 | 69,385 | 25,960 | 10,284 | 28,775 | -686 | 1,094 | 412,579 | 4,409 | 14,249 | 14,693 |
| Year to Date | | | | | | | | | | | | | | | |
| 2018 | 657,413 | 11,156 | 5,290 | 824,559 | 7,876 | 475,069 | 187,083 | 39,347 | 212,431 | -3,197 | 7,524 | 2,424,552 | 17,776 | 54,905 | 57,123 |
| 2019 | 571,110 | 6,724 | 4,720 | 873,834 | 7,963 | 472,203 | 177,325 | 43,593 | 218,478 | -2,600 | 7,691 | 2,381,041 | 21,084 | 62,675 | 64,677 |
| 2020 | 414,029 | 5,504 | 4,800 | 935,600 | 6,927 | 464,250 | 176,452 | 54,023 | 239,774 | -2,882 | 7,382 | 2,305,859 | 25,025 | 76,900 | 79,048 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | | | | |
| 2019 | 1,063,184 | 11,812 | 8,411 | 1,518,407 | 13,550 | 804,219 | 282,765 | 68,071 | 356,513 | -5,307 | 13,140 | 4,134,766 | 32,847 | 97,542 | 100,918 |
| 2020 | 809,068 | 10,356 | 7,071 | 1,643,582 | 12,598 | 801,456 | 272,835 | 82,664 | 395,790 | -5,543 | 12,993 | 4,042,869 | 38,982 | 118,283 | 121,646 |

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2010-July 2020**
**(Thousand Megawatthours)**

| | Generation at Utility Scale Facilities | | | | | | | | | | Small Scale Generation | Generation From Utility and Small Scale Facilities | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Wind | Solar Photovoltaic | Solar Thermal | Wood and Wood-Derived Fuels | Landfill Gas | Biogenic Municipal Solid Waste | Other Waste Biomass | Geothermal | Conventional Hydroelectric | Total Renewable Generation at Utility Scale Facilities | Estimated Solar Photovoltaic | Estimated Total Solar Photovoltaic | Estimated Total Solar |
| Annual Totals | | | | | | | | | | | | | |
| 2010 | 94,652 | 423 | 789 | 37,172 | 8,377 | 7,927 | 2,613 | 15,219 | 260,203 | 427,376 | N/A | N/A | N/A |
| 2011 | 120,177 | 1,012 | 806 | 37,449 | 9,044 | 7,354 | 2,824 | 15,316 | 319,355 | 513,336 | N/A | N/A | N/A |
| 2012 | 140,822 | 3,451 | 876 | 37,799 | 9,803 | 7,320 | 2,700 | 15,562 | 276,240 | 494,573 | N/A | N/A | N/A |
| 2013 | 167,840 | 8,121 | 915 | 40,028 | 10,658 | 7,186 | 2,986 | 15,775 | 268,565 | 522,073 | N/A | N/A | N/A |
| 2014 | 181,655 | 15,250 | 2,441 | 42,340 | 11,220 | 7,228 | 3,202 | 15,877 | 259,367 | 538,579 | 11,233 | 26,482 | 28,924 |
| 2015 | 190,719 | 21,666 | 3,227 | 41,929 | 11,291 | 7,211 | 3,201 | 15,918 | 249,080 | 544,241 | 14,139 | 35,805 | 39,032 |
| 2016 | 226,993 | 32,670 | 3,384 | 40,947 | 11,218 | 7,265 | 3,331 | 15,826 | 267,812 | 609,445 | 18,812 | 51,483 | 54,866 |
| 2017 | 254,303 | 50,018 | 3,269 | 41,124 | 11,543 | 6,951 | 3,115 | 15,927 | 300,333 | 686,583 | 23,990 | 74,008 | 77,277 |
| 2018 | 272,667 | 60,234 | 3,592 | 40,936 | 11,036 | 7,136 | 2,724 | 15,967 | 292,524 | 706,816 | 29,539 | 89,773 | 93,365 |
| 2019 | 300,071 | 69,017 | 3,217 | 39,851 | 10,075 | 6,104 | 2,382 | 16,011 | 273,707 | 720,435 | 35,041 | 104,057 | 107,275 |
| Year 2018 | | | | | | | | | | | | | |
| January | 25,599 | 3,191 | 128 | 3,686 | 964 | 588 | 265 | 1,341 | 25,064 | 60,826 | 1,619 | 4,810 | 4,938 |
| February | 23,189 | 3,705 | 191 | 3,235 | 906 | 559 | 251 | 1,274 | 24,902 | 58,213 | 1,766 | 5,472 | 5,663 |
| March | 26,464 | 4,799 | 258 | 3,547 | 972 | 597 | 253 | 1,367 | 25,861 | 64,117 | 2,434 | 7,233 | 7,490 |
| April | 26,431 | 5,743 | 314 | 3,102 | 920 | 566 | 239 | 1,188 | 28,115 | 66,618 | 2,740 | 8,482 | 8,796 |
| May | 23,953 | 6,419 | 430 | 3,352 | 930 | 573 | 228 | 1,383 | 30,444 | 67,712 | 3,011 | 9,430 | 9,860 |
| June | 24,703 | 6,898 | 517 | 3,471 | 889 | 629 | 202 | 1,300 | 27,597 | 66,206 | 3,059 | 9,957 | 10,474 |
| July | 16,447 | 6,374 | 380 | 3,749 | 909 | 638 | 202 | 1,370 | 25,100 | 55,170 | 3,146 | 9,521 | 9,901 |
| August | 19,846 | 6,286 | 409 | 3,630 | 919 | 630 | 208 | 1,367 | 22,017 | 55,313 | 3,017 | 9,303 | 9,712 |
| Sept | 18,520 | 5,531 | 430 | 3,281 | 836 | 562 | 192 | 1,328 | 19,166 | 49,844 | 2,674 | 8,205 | 8,635 |
| October | 21,194 | 4,695 | 275 | 3,216 | 918 | 594 | 231 | 1,273 | 19,548 | 51,944 | 2,392 | 7,087 | 7,361 |
| November | 22,016 | 3,575 | 168 | 3,264 | 920 | 584 | 220 | 1,331 | 21,913 | 53,990 | 1,905 | 5,480 | 5,648 |
| December | 24,306 | 3,018 | 92 | 3,404 | 951 | 616 | 233 | 1,446 | 22,797 | 56,863 | 1,775 | 4,792 | 4,885 |
| Year 2019 | | | | | | | | | | | | | |
| January | 25,122 | 3,545 | 111 | 3,533 | 870 | 529 | 214 | 1,422 | 24,210 | 59,554 | 1,906 | 5,451 | 5,561 |
| February | 23,000 | 3,695 | 131 | 3,165 | 798 | 464 | 192 | 1,308 | 21,826 | 54,580 | 2,062 | 5,757 | 5,888 |
| March | 26,116 | 5,650 | 260 | 3,257 | 865 | 492 | 232 | 1,437 | 25,546 | 63,855 | 2,918 | 8,568 | 8,828 |
| April | 29,711 | 6,511 | 325 | 3,027 | 791 | 471 | 202 | 1,239 | 25,483 | 67,760 | 3,253 | 9,764 | 10,089 |
| May | 25,973 | 6,855 | 336 | 3,365 | 830 | 528 | 183 | 1,347 | 30,061 | 69,479 | 3,558 | 10,414 | 10,750 |
| June | 22,947 | 7,566 | 439 | 3,339 | 846 | 524 | 184 | 1,362 | 26,469 | 63,677 | 3,615 | 11,181 | 11,620 |
| July | 22,024 | 7,769 | 400 | 3,569 | 863 | 538 | 186 | 1,412 | 23,730 | 60,491 | 3,772 | 11,541 | 11,941 |
| August | 19,869 | 7,475 | 413 | 3,717 | 864 | 546 | 192 | 1,409 | 21,041 | 55,526 | 3,623 | 11,098 | 11,510 |
| Sept | 24,385 | 6,458 | 294 | 3,282 | 824 | 511 | 171 | 1,384 | 16,324 | 53,634 | 3,216 | 9,674 | 9,968 |
| October | 28,136 | 5,833 | 298 | 3,081 | 850 | 500 | 216 | 1,277 | 16,292 | 56,483 | 2,840 | 8,673 | 8,971 |
| November | 25,603 | 4,235 | 141 | 3,107 | 816 | 486 | 196 | 1,112 | 20,520 | 56,216 | 2,232 | 6,467 | 6,608 |
| December | 27,183 | 3,424 | 70 | 3,407 | 860 | 515 | 213 | 1,301 | 22,206 | 59,180 | 2,046 | 5,471 | 5,541 |
| Year 2020 | | | | | | | | | | | | | |
| January | 28,403 | 4,439 | 115 | 3,349 | 875 | 521 | 213 | 1,255 | 24,286 | 63,457 | 2,293 | 6,733 | 6,848 |
| February | 29,235 | 5,458 | 194 | 3,154 | 802 | 464 | 195 | 1,156 | 25,077 | 65,734 | 2,609 | 8,067 | 8,261 |
| March | 29,483 | 6,104 | 210 | 3,223 | 879 | 535 | 206 | 1,490 | 22,269 | 64,400 | 3,409 | 9,513 | 9,723 |
| April | 29,534 | 7,676 | 334 | 2,992 | 838 | 505 | 189 | 1,356 | 20,771 | 64,195 | 3,801 | 11,477 | 11,811 |
| May | 28,180 | 9,296 | 446 | 3,103 | 850 | 518 | 183 | 1,421 | 29,468 | 73,464 | 4,245 | 13,541 | 13,987 |
| June | 30,147 | 9,063 | 404 | 2,994 | 766 | 475 | 167 | 1,342 | 28,621 | 73,980 | 4,258 | 13,321 | 13,725 |
| July | 22,700 | 9,840 | 444 | 3,119 | 805 | 528 | 173 | 1,449 | 25,960 | 65,018 | 4,409 | 14,249 | 14,693 |
| Year to Date | | | | | | | | | | | | | |
| 2018 | 166,785 | 37,129 | 2,218 | 24,142 | 6,491 | 4,150 | 1,640 | 9,222 | 187,083 | 438,862 | 17,776 | 54,905 | 57,123 |
| 2019 | 174,894 | 41,591 | 2,002 | 23,256 | 5,862 | 3,546 | 1,394 | 9,527 | 177,325 | 439,396 | 21,084 | 62,675 | 64,677 |
| 2020 | 197,683 | 51,875 | 2,148 | 21,935 | 5,814 | 3,546 | 1,327 | 9,470 | 176,452 | 470,249 | 25,025 | 76,900 | 79,048 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | | |
| 2019 | 280,776 | 64,695 | 3,376 | 40,050 | 10,407 | 6,532 | 2,477 | 16,272 | 282,765 | 707,350 | 32,847 | 97,542 | 100,918 |
| 2020 | 322,861 | 79,301 | 3,363 | 38,530 | 10,027 | 6,104 | 2,315 | 15,953 | 272,835 | 751,289 | 38,982 | 118,283 | 121,646 |

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.
Other Waste Biomass includes sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms..
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.2.A. Net Generation by Energy Source: Electric Utilities, 2010-July 2020**
**(Thousand Megawatthours)**

| | Generation at Utility Scale Facilities | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gas | Nuclear | Hydroelectric Conventional | Solar | Renewable Sources Excluding Hydroelectric and Solar | Hydroelectric Pumped Storage | Other | Total |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 1,378,028 | 17,258 | 8,807 | 392,616 | 52 | 424,843 | 236,104 | 101 | 17,826 | -4,466 | 462 | 2,471,632 |
| 2011 | 1,301,107 | 11,688 | 9,428 | 414,843 | 29 | 415,298 | 291,413 | 216 | 21,717 | -5,492 | 604 | 2,460,851 |
| 2012 | 1,146,480 | 9,892 | 5,664 | 504,958 | 0 | 394,823 | 252,936 | 639 | 27,378 | -4,202 | 603 | 2,339,172 |
| 2013 | 1,188,452 | 9,446 | 9,522 | 501,427 | 798 | 406,114 | 243,040 | 943 | 31,474 | -3,773 | 615 | 2,388,058 |
| 2014 | 1,173,073 | 10,696 | 9,147 | 501,414 | 112 | 419,871 | 238,185 | 1,218 | 33,278 | -5,144 | 622 | 2,382,473 |
| 2015 | 998,385 | 10,386 | 8,278 | 617,817 | 199 | 416,680 | 229,640 | 1,494 | 35,992 | -4,105 | 558 | 2,315,323 |
| 2016 | 922,399 | 9,069 | 8,881 | 654,780 | 154 | 424,400 | 247,787 | 1,995 | 40,666 | -5,629 | 421 | 2,304,923 |
| 2017 | 893,639 | 8,567 | 6,711 | 623,834 | 149 | 424,485 | 275,677 | 3,348 | 42,763 | -5,448 | 553 | 2,274,279 |
| 2018 | 863,505 | 10,108 | 6,817 | 720,206 | 151 | 424,251 | 267,336 | 4,916 | 44,184 | -4,785 | 561 | 2,337,250 |
| 2019 | 722,333 | 8,182 | 5,112 | 782,470 | 154 | 430,672 | 249,707 | 6,547 | 49,499 | -4,261 | 491 | 2,250,906 |
| Year 2018 | | | | | | | | | | | | |
| January | 88,718 | 2,491 | 770 | 55,797 | 26 | 39,366 | 23,106 | 288 | 4,399 | -475 | 41 | 214,525 |
| February | 61,138 | 617 | 575 | 48,715 | 17 | 33,941 | 22,864 | 314 | 3,853 | -226 | 38 | 171,847 |
| March | 58,606 | 595 | 491 | 52,161 | 16 | 35,262 | 23,638 | 446 | 4,276 | -408 | 48 | 175,132 |
| April | 55,281 | 632 | 477 | 48,151 | 28 | 30,580 | 25,598 | 480 | 4,120 | -295 | 39 | 165,093 |
| May | 64,034 | 745 | 336 | 58,251 | 11 | 34,479 | 28,055 | 463 | 3,427 | -309 | 45 | 189,538 |
| June | 77,899 | 756 | 670 | 66,774 | 13 | 36,437 | 25,778 | 503 | 3,691 | -339 | 50 | 212,232 |
| July | 88,102 | 668 | 716 | 81,297 | 15 | 38,293 | 23,303 | 477 | 2,824 | -522 | 55 | 235,229 |
| August | 87,359 | 711 | 686 | 78,025 | 24 | 38,885 | 20,050 | 476 | 3,122 | -626 | 56 | 228,767 |
| Sept | 73,021 | 781 | 639 | 68,655 | 3 | 34,377 | 17,368 | 436 | 3,288 | -500 | 47 | 198,116 |
| October | 64,902 | 751 | 378 | 59,071 | 0 | 31,364 | 17,571 | 418 | 3,447 | -405 | 43 | 177,541 |
| November | 68,864 | 703 | 477 | 51,796 | 0 | 33,043 | 19,630 | 325 | 3,631 | -254 | 50 | 178,265 |
| December | 75,578 | 657 | 601 | 51,512 | 0 | 38,223 | 20,373 | 290 | 4,105 | -426 | 49 | 190,963 |
| Year 2019 | | | | | | | | | | | | |
| January | 74,996 | 855 | 634 | 57,279 | 12 | 39,806 | 21,811 | 369 | 4,209 | -247 | 42 | 199,767 |
| February | 59,589 | 561 | 564 | 54,489 | 22 | 34,243 | 19,786 | 386 | 3,636 | -310 | 33 | 172,999 |
| March | 56,546 | 597 | 464 | 54,667 | 31 | 34,213 | 23,153 | 577 | 4,437 | -309 | 33 | 174,409 |
| April | 44,241 | 534 | 276 | 50,523 | 0 | 32,063 | 23,235 | 641 | 5,024 | -26 | 37 | 156,547 |
| May | 55,081 | 671 | 552 | 58,730 | 0 | 35,416 | 27,682 | 661 | 4,199 | -305 | 44 | 182,728 |
| June | 60,148 | 724 | 398 | 69,984 | 23 | 36,847 | 24,285 | 638 | 3,886 | -299 | 41 | 196,676 |
| July | 77,053 | 715 | 551 | 87,423 | 18 | 39,023 | 21,637 | 655 | 3,625 | -505 | 40 | 230,233 |
| August | 71,916 | 809 | 501 | 89,675 | 16 | 39,218 | 19,389 | 616 | 3,175 | -470 | 51 | 224,895 |
| Sept | 64,867 | 693 | 460 | 75,933 | 10 | 34,770 | 14,984 | 616 | 4,111 | -583 | 43 | 195,903 |
| October | 49,122 | 698 | 146 | 66,403 | 0 | 32,289 | 14,927 | 547 | 4,621 | -316 | 43 | 168,480 |
| November | 55,304 | 632 | 251 | 56,310 | 19 | 32,923 | 18,763 | 454 | 4,149 | -424 | 41 | 168,422 |
| December | 53,470 | 693 | 315 | 61,054 | 2 | 39,861 | 20,054 | 387 | 4,428 | -465 | 44 | 179,844 |
| Year 2020 | | | | | | | | | | | | |
| January | 48,438 | 757 | 493 | 64,603 | 0 | 40,721 | 22,070 | 531 | 4,450 | -354 | 42 | 181,751 |
| February | 41,609 | 588 | 366 | 63,018 | 8 | 36,079 | 22,902 | 606 | 4,999 | -182 | 41 | 170,033 |
| March | 38,276 | 492 | 521 | 62,528 | 19 | 35,133 | 19,997 | 779 | 4,891 | -252 | 41 | 162,425 |
| April | 29,767 | 451 | 455 | 55,024 | 6 | 32,827 | 18,554 | 894 | 4,884 | -252 | 35 | 142,646 |
| May | 34,895 | 511 | 436 | 60,356 | 8 | 34,392 | 27,106 | 1,093 | 4,553 | -273 | 42 | 163,120 |
| June | 49,684 | 629 | 647 | 72,356 | 1 | 36,388 | 26,566 | 1,010 | 4,797 | -420 | 33 | 191,692 |
| July | 69,357 | 689 | 678 | 92,158 | 6 | 37,583 | 24,157 | 1,061 | 3,643 | -595 | 42 | 228,778 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 493,780 | 6,505 | 4,035 | 411,147 | 125 | 248,359 | 172,343 | 2,971 | 26,591 | -2,573 | 316 | 1,363,597 |
| 2019 | 427,654 | 4,657 | 3,439 | 433,095 | 106 | 251,610 | 161,590 | 3,927 | 29,016 | -2,001 | 269 | 1,313,360 |
| 2020 | 312,025 | 4,117 | 3,596 | 470,044 | 47 | 253,124 | 161,351 | 5,973 | 32,218 | -2,327 | 277 | 1,240,445 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 797,379 | 8,260 | 6,220 | 742,154 | 132 | 427,502 | 256,583 | 5,872 | 46,609 | -4,213 | 515 | 2,287,013 |
| 2020 | 606,704 | 7,642 | 5,269 | 819,420 | 95 | 432,186 | 249,469 | 8,593 | 52,701 | -4,587 | 498 | 2,177,990 |

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

**Table 1.2.B Net Generation by Energy Source: Independent Power Producers, 2010-July 2020**
**(Thousand Megawatthours)**

| | Generation at Utility Scale Facilities | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gas | Nuclear | Hydroelectric Conventional | Solar | Renewable Sources Excluding Hydroelectric and Solar | Hydroelectric Pumped Storage | Other | Total |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 449,709 | 5,117 | 3,497 | 508,774 | 2,915 | 382,126 | 22,351 | 1,105 | 119,851 | -1,035 | 6,345 | 1,500,754 |
| 2011 | 416,783 | 3,655 | 3,431 | 511,447 | 2,911 | 374,906 | 26,117 | 1,511 | 140,442 | -928 | 7,059 | 1,487,335 |
| 2012 | 354,076 | 2,757 | 1,758 | 627,833 | 2,984 | 374,509 | 20,923 | 3,525 | 156,539 | -748 | 7,030 | 1,551,186 |
| 2013 | 379,270 | 3,761 | 1,780 | 527,522 | 3,524 | 382,902 | 22,018 | 7,782 | 181,263 | -908 | 6,742 | 1,515,657 |
| 2014 | 395,701 | 6,789 | 1,410 | 531,758 | 3,246 | 377,295 | 19,861 | 16,086 | 196,723 | -1,030 | 6,690 | 1,554,530 |
| 2015 | 342,608 | 6,240 | 1,601 | 619,839 | 3,517 | 380,498 | 17,996 | 22,962 | 202,858 | -987 | 6,838 | 1,603,971 |
| 2016 | 307,263 | 3,360 | 1,401 | 624,600 | 3,758 | 381,294 | 18,539 | 33,502 | 233,553 | -1,057 | 6,941 | 1,613,156 |
| 2017 | 304,198 | 3,281 | 1,480 | 572,919 | 3,978 | 380,465 | 23,034 | 49,376 | 258,962 | -1,047 | 6,527 | 1,603,174 |
| 2018 | 278,668 | 5,487 | 1,516 | 645,616 | 3,935 | 382,833 | 23,812 | 58,337 | 275,154 | -1,119 | 6,677 | 1,680,917 |
| 2019 | 237,174 | 2,842 | 1,212 | 692,263 | 4,152 | 378,738 | 22,670 | 65,000 | 294,607 | -1,000 | 7,217 | 1,704,875 |
| Year 2018 | | | | | | | | | | | | |
| January | 29,839 | 2,951 | 137 | 45,672 | 318 | 35,283 | 1,856 | 3,000 | 25,364 | -72 | 575 | 144,924 |
| February | 20,261 | 133 | 126 | 41,986 | 320 | 30,849 | 1,929 | 3,549 | 23,179 | -89 | 543 | 122,786 |
| March | 21,377 | 186 | 96 | 46,436 | 331 | 31,770 | 2,114 | 4,563 | 26,260 | -82 | 564 | 133,615 |
| April | 17,506 | 199 | 137 | 42,464 | 326 | 28,553 | 2,392 | 5,522 | 25,872 | -82 | 527 | 123,416 |
| May | 20,600 | 248 | 124 | 48,762 | 379 | 32,841 | 2,264 | 6,325 | 24,380 | -81 | 526 | 136,366 |
| June | 22,994 | 268 | 100 | 55,398 | 303 | 33,251 | 1,724 | 6,845 | 24,920 | -95 | 582 | 146,291 |
| July | 26,647 | 260 | 139 | 73,967 | 344 | 34,163 | 1,700 | 6,214 | 17,729 | -123 | 586 | 161,625 |
| August | 27,157 | 292 | 139 | 74,126 | 369 | 33,398 | 1,858 | 6,158 | 20,775 | -121 | 579 | 164,730 |
| Sept | 22,941 | 233 | 108 | 64,337 | 328 | 30,348 | 1,692 | 5,475 | 18,927 | -103 | 515 | 144,800 |
| October | 21,834 | 218 | 126 | 55,462 | 255 | 28,033 | 1,855 | 4,508 | 21,450 | -87 | 556 | 134,209 |
| November | 23,393 | 245 | 140 | 47,623 | 311 | 30,911 | 2,150 | 3,386 | 22,175 | -88 | 551 | 130,797 |
| December | 24,120 | 254 | 144 | 49,384 | 350 | 33,434 | 2,277 | 2,792 | 24,124 | -96 | 574 | 137,357 |
| Year 2019 | | | | | | | | | | | | |
| January | 25,372 | 446 | 153 | 52,632 | 368 | 33,895 | 2,277 | 3,249 | 24,851 | -76 | 629 | 143,797 |
| February | 19,948 | 197 | 139 | 48,354 | 355 | 30,472 | 1,936 | 3,405 | 22,900 | -79 | 547 | 128,174 |
| March | 21,413 | 180 | 131 | 49,673 | 350 | 30,867 | 2,272 | 5,275 | 25,371 | -100 | 581 | 136,013 |
| April | 15,249 | 204 | 124 | 44,189 | 339 | 28,518 | 2,134 | 6,130 | 27,977 | -78 | 553 | 125,339 |
| May | 16,283 | 230 | 143 | 49,034 | 338 | 31,708 | 2,252 | 6,462 | 25,563 | -63 | 632 | 132,582 |
| June | 17,943 | 209 | 103 | 58,397 | 325 | 31,958 | 2,066 | 7,292 | 22,771 | -86 | 618 | 141,596 |
| July | 23,342 | 274 | NM | 77,551 | 390 | 33,176 | 1,983 | 7,434 | 22,317 | -118 | 640 | 167,067 |
| August | 21,688 | 224 | 131 | 77,290 | 388 | 32,693 | 1,549 | 7,196 | 20,725 | -109 | 644 | 162,420 |
| Sept | 20,506 | 203 | 118 | 65,876 | 349 | 31,294 | 1,247 | 6,072 | 24,018 | -88 | 595 | 150,188 |
| October | 17,179 | 216 | 9 | 58,402 | 227 | 29,744 | 1,270 | 5,529 | 27,011 | -56 | 588 | 140,120 |
| November | 19,706 | 233 | 41 | 52,187 | 352 | 31,202 | 1,651 | 3,881 | 24,675 | -84 | 580 | 134,423 |
| December | 18,545 | 226 | 42 | 58,680 | 372 | 33,212 | 2,034 | 3,073 | 26,428 | -64 | 610 | 143,158 |
| Year 2020 | | | | | | | | | | | | |
| January | 16,173 | 134 | 140 | 58,568 | 387 | 33,483 | 2,097 | 3,985 | 27,562 | -52 | 611 | 143,088 |
| February | 13,937 | 122 | 40 | 54,135 | 389 | 29,871 | 2,058 | 5,000 | 27,573 | -65 | 547 | 133,608 |
| March | 11,806 | 175 | 141 | 52,171 | 294 | 28,864 | 2,152 | 5,480 | 28,371 | -101 | 620 | 129,973 |
| April | 10,358 | 140 | 142 | 45,187 | 143 | 26,343 | 2,096 | 7,044 | 28,082 | -73 | 598 | 120,060 |
| May | 11,148 | 145 | 167 | 47,829 | 151 | 29,946 | 2,234 | 8,562 | 27,266 | -94 | 587 | 127,941 |
| June | 15,363 | 179 | 130 | 62,337 | 133 | 30,817 | 1,937 | 8,377 | 28,698 | -79 | 543 | 148,435 |
| July | 19,834 | 220 | 138 | 84,147 | 144 | 31,802 | 1,690 | 9,135 | 22,689 | -91 | 609 | 170,316 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 159,223 | 4,246 | 860 | 354,685 | 2,322 | 226,709 | 13,979 | 36,018 | 167,703 | -624 | 3,902 | 969,023 |
| 2019 | 139,550 | 1,741 | 870 | 379,829 | 2,465 | 220,593 | 14,919 | 39,248 | 171,751 | -598 | 4,199 | 974,566 |
| 2020 | 98,620 | 1,116 | 897 | 404,373 | 1,640 | 211,126 | 14,265 | 47,584 | 190,241 | -555 | 4,114 | 973,422 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 258,995 | 2,982 | NM | 670,760 | 4,078 | 376,717 | 24,751 | 61,567 | 279,202 | -1,094 | 6,974 | 1,686,460 |
| 2020 | 196,244 | 2,218 | 1,239 | 716,807 | 3,327 | 369,270 | 22,016 | 73,336 | 313,098 | -956 | 7,132 | 1,703,731 |

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

**Table 1.2.C. Net Generation by Energy Source: Commercial Sector, 2010-July 2020**
**(Thousand Megawatthours)**

| | Generation at Utility Scale Facilities | | | | | | | | | | | | Small Scale Generation | Net Generation From Utility and Small Scale Facilities | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gas | Nuclear | Hydroelectric Conventional | Solar | Renewable Sources Excluding Hydroelectric and Solar | Hydroelectric Pumped Storage | Other | Total Generation at Utility Scale Facilities | Estimated Solar Photovoltaic | Estimated Total Solar Photovoltaic | Estimated Total Solar |
| Annual Totals | | | | | | | | | | | | | | | |
| 2010 | 1,111 | 117 | 7 | 4,725 | 3 | 0 | 80 | 5 | 1,709 | 0 | 834 | 8,592 | N/A | N/A | N/A |
| 2011 | 1,049 | 86 | 3 | 5,487 | 3 | 0 | 26 | 84 | 2,392 | 0 | 950 | 10,080 | N/A | N/A | N/A |
| 2012 | 883 | 191 | 6 | 6,603 | 0 | 0 | 28 | 148 | 2,397 | 0 | 1,046 | 11,301 | N/A | N/A | N/A |
| 2013 | 839 | 118 | 5 | 7,154 | 0 | 0 | 44 | 294 | 2,662 | 0 | 1,118 | 12,234 | N/A | N/A | N/A |
| 2014 | 595 | 247 | 9 | 7,227 | 0 | 0 | 38 | 371 | 2,862 | 0 | 1,171 | 12,520 | 5,146 | 5,516 | 5,516 |
| 2015 | 509 | 183 | 8 | 7,471 | 0 | 0 | 35 | 416 | 2,803 | 0 | 1,170 | 12,595 | 5,689 | 6,106 | 6,106 |
| 2016 | 383 | 77 | 6 | 7,730 | 0 | 0 | 217 | 529 | 2,697 | 0 | 1,068 | 12,706 | 6,158 | 6,687 | 6,687 |
| 2017 | 329 | 103 | 8 | 8,042 | 0 | 0 | 240 | 521 | 2,729 | 0 | 1,088 | 13,060 | 7,685 | 8,206 | 8,206 |
| 2018 | 303 | 132 | 7 | 8,419 | 0 | 0 | 227 | 525 | 2,688 | 0 | 1,010 | 13,312 | 9,798 | 10,324 | 10,324 |
| 2019 | 275 | 112 | 5 | 8,647 | 0 | 0 | 211 | 608 | 2,701 | 0 | 1,065 | 13,624 | 11,097 | 11,705 | 11,705 |
| Year 2018 | | | | | | | | | | | | | | | |
| January | 40 | 41 | 1 | 671 | 0 | 0 | 19 | 29 | 229 | 0 | 84 | 1,114 | 552 | 581 | 581 |
| February | 32 | 7 | 1 | 626 | 0 | 0 | 19 | 31 | 206 | 0 | 72 | 995 | 605 | 636 | 636 |
| March | 27 | 7 | 1 | 647 | 0 | 0 | 21 | 43 | 227 | 0 | 83 | 1,058 | 820 | 863 | 863 |
| April | 24 | 8 | 0 | 585 | 0 | 0 | 24 | 50 | 217 | 0 | 81 | 989 | 907 | 957 | 957 |
| May | 21 | 7 | 0 | 656 | 0 | 0 | 24 | 57 | 221 | 0 | 90 | 1,076 | 992 | 1,048 | 1,048 |
| June | 20 | 7 | 0 | 737 | 0 | 0 | 21 | 62 | 224 | 0 | 92 | 1,163 | 1,003 | 1,065 | 1,065 |
| July | 21 | 11 | 0 | 875 | 0 | 0 | 19 | 59 | 223 | 0 | 90 | 1,298 | 1,036 | 1,094 | 1,094 |
| August | 23 | 9 | 0 | 892 | 0 | 0 | 17 | 56 | 230 | 0 | 90 | 1,318 | 993 | 1,049 | 1,049 |
| Sept | 24 | 7 | 1 | 771 | 0 | 0 | 16 | 46 | 213 | 0 | 80 | 1,156 | 893 | 938 | 938 |
| October | 20 | 7 | 1 | 668 | 0 | 0 | 14 | 39 | 223 | 0 | 83 | 1,055 | 786 | 826 | 826 |
| November | 25 | 12 | 1 | 622 | 0 | 0 | 16 | 29 | 212 | 0 | 77 | 993 | 623 | 652 | 652 |
| December | 24 | 9 | 1 | 669 | 0 | 0 | 17 | 25 | 262 | 0 | 88 | 1,095 | 589 | 614 | 614 |
| Year 2019 | | | | | | | | | | | | | | | |
| January | 33 | 13 | 1 | 719 | 0 | 0 | NM | 32 | 255 | 0 | 94 | 1,167 | 632 | 665 | 665 |
| February | 28 | 8 | 1 | 670 | 0 | 0 | NM | 32 | 228 | 0 | 80 | 1,064 | 680 | 711 | 711 |
| March | 32 | 8 | 1 | 702 | 0 | 0 | NM | 51 | 253 | 0 | 89 | 1,157 | 938 | 990 | 990 |
| April | 21 | 7 | 1 | 644 | 0 | 0 | NM | 57 | 206 | 0 | 88 | 1,046 | 1,042 | 1,099 | 1,099 |
| May | 19 | 8 | 0 | 682 | 0 | 0 | NM | 61 | 200 | 0 | 90 | 1,084 | 1,121 | 1,182 | 1,182 |
| June | 14 | 7 | 0 | 690 | 0 | 0 | 21 | 67 | 217 | 0 | 92 | 1,106 | 1,130 | 1,196 | 1,196 |
| July | NM | 10 | 0 | 813 | 0 | 0 | NM | 70 | 226 | 0 | 91 | 1,247 | 1,184 | 1,254 | 1,254 |
| August | 18 | 13 | 0 | 841 | 0 | 0 | NM | 67 | 219 | 0 | 93 | 1,268 | 1,128 | 1,196 | 1,196 |
| Sept | 21 | 11 | 0 | 738 | 0 | 0 | NM | 57 | 213 | 0 | 90 | 1,141 | 1,006 | 1,063 | 1,063 |
| October | 20 | 10 | 0 | 701 | 0 | 0 | NM | 48 | 227 | 0 | 83 | 1,099 | 890 | 937 | 937 |
| November | 21 | 9 | 0 | 710 | 0 | 0 | NM | 37 | 225 | 0 | 82 | 1,099 | 688 | 725 | 725 |
| December | 26 | 9 | 1 | 738 | 0 | 0 | 16 | 30 | 234 | 0 | 92 | 1,145 | 658 | 688 | 688 |
| Year 2020 | | | | | | | | | | | | | | | |
| January | 22 | 9 | 2 | 753 | 0 | 0 | NM | 34 | 229 | 0 | 90 | 1,157 | 732 | 767 | 767 |
| February | 28 | 5 | 1 | 676 | 0 | 0 | NM | 41 | 224 | 0 | 79 | 1,075 | 830 | 871 | 871 |
| March | 21 | 7 | 0 | 657 | 0 | 0 | 16 | 49 | 239 | 0 | 86 | 1,076 | 1,083 | 1,131 | 1,131 |
| April | 12 | 5 | 0 | 573 | 0 | 0 | 16 | 64 | 219 | 0 | 81 | 968 | 1,192 | 1,256 | 1,256 |
| May | 15 | 7 | 0 | 606 | 0 | 0 | 25 | 74 | 219 | 0 | 88 | 1,034 | 1,303 | 1,377 | 1,377 |
| June | 21 | 7 | 0 | 686 | 0 | 0 | 25 | 69 | 213 | 0 | 83 | 1,104 | 1,311 | 1,380 | 1,380 |
| July | 19 | 10 | 0 | 809 | 0 | 0 | 23 | 76 | 221 | 0 | 90 | 1,247 | 1,369 | 1,445 | 1,445 |
| Year to Date | | | | | | | | | | | | | | | |
| 2018 | 186 | 89 | 4 | 4,797 | 0 | 0 | 148 | 330 | 1,549 | 0 | 592 | 7,695 | 5,914 | 6,244 | 6,244 |
| 2019 | 168 | 61 | 4 | 4,919 | 0 | 0 | 140 | 370 | 1,584 | 0 | 624 | 7,871 | 6,727 | 7,097 | 7,097 |
| 2020 | 138 | 50 | 2 | 4,760 | 0 | 0 | 144 | 406 | 1,564 | 0 | 597 | 7,661 | 7,821 | 8,227 | 8,227 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | | | | |
| 2019 | NM | 105 | 8 | 8,541 | 0 | 0 | NM | 565 | 2,724 | 0 | 1,042 | 13,489 | 10,611 | 11,176 | 11,176 |
| 2020 | 244 | 101 | 3 | 8,488 | 0 | 0 | NM | 645 | 2,681 | 0 | 1,038 | 13,414 | 12,191 | 12,835 | 12,835 |

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2010-July 2020**
**(Thousand Megawatthours)**

| | Generation at Utility Scale Facilities | | | | | | | | | | | | Small Scale Generation | Net Generation From Utility and Small Scale Facilities | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gas | Nuclear | Hydroelectric Conventional | Solar | Renewable Sources Excluding Hydroelectric and Solar | Hydroelectric Pumped Storage | Other | Total Generation at Utility Scale Facilities | Estimated Solar Photovoltaic | Estimated Total Solar Photovoltaic | Estimated Total Solar |
| Annual Totals | | | | | | | | | | | | | | | |
| 2010 | 18,441 | 844 | 1,414 | 81,583 | 8,343 | 0 | 1,668 | 2 | 26,574 | 0 | 5,214 | 144,082 | N/A | N/A | N/A |
| 2011 | 14,490 | 657 | 1,234 | 81,911 | 8,624 | 0 | 1,799 | 7 | 27,612 | 0 | 5,541 | 141,875 | N/A | N/A | N/A |
| 2012 | 12,603 | 563 | 2,359 | 86,500 | 8,913 | 0 | 2,353 | 14 | 27,693 | 0 | 5,108 | 146,107 | N/A | N/A | N/A |
| 2013 | 12,554 | 495 | 2,036 | 88,733 | 8,531 | 0 | 3,463 | 17 | 29,074 | 0 | 5,113 | 150,015 | N/A | N/A | N/A |
| 2014 | 12,341 | 544 | 1,389 | 86,209 | 8,664 | 0 | 1,282 | 16 | 28,659 | 0 | 4,978 | 144,083 | 1,139 | 1,156 | 1,156 |
| 2015 | 10,896 | 563 | 990 | 88,355 | 9,401 | 0 | 1,410 | 21 | 28,614 | 0 | 5,462 | 145,712 | 1,451 | 1,472 | 1,472 |
| 2016 | 9,103 | 503 | 909 | 91,197 | 8,895 | 0 | 1,269 | 27 | 28,663 | 0 | 5,324 | 145,890 | 2,060 | 2,087 | 2,087 |
| 2017 | 7,669 | 463 | 776 | 91,647 | 8,343 | 0 | 1,382 | 42 | 28,508 | 0 | 4,928 | 143,758 | 2,364 | 2,406 | 2,406 |
| 2018 | 7,011 | 517 | 640 | 94,892 | 9,377 | 0 | 1,149 | 47 | 28,440 | 0 | 4,725 | 146,798 | 2,636 | 2,683 | 2,683 |
| 2019 | 6,367 | 440 | 662 | 98,434 | 9,328 | 0 | 1,120 | 79 | 27,686 | 0 | 4,530 | 148,645 | 3,041 | 3,120 | 3,120 |
| Year 2018 | | | | | | | | | | | | | | | |
| January | 687 | 73 | 57 | 8,153 | 752 | 0 | 83 | 2 | 2,450 | 0 | 410 | 12,668 | 146 | 149 | 149 |
| February | 619 | 47 | 52 | 7,184 | 755 | 0 | 89 | 3 | 2,177 | 0 | 340 | 11,265 | 155 | 158 | 158 |
| March | 616 | 41 | 54 | 7,280 | 811 | 0 | 87 | 4 | 2,437 | 0 | 413 | 11,742 | 221 | 225 | 225 |
| April | 535 | 33 | 51 | 7,172 | 744 | 0 | 102 | 4 | 2,237 | 0 | 380 | 11,258 | 241 | 245 | 245 |
| May | 572 | 41 | 56 | 7,614 | 778 | 0 | 101 | 5 | 2,390 | 0 | 409 | 11,967 | 267 | 271 | 271 |
| June | 590 | 34 | 64 | 7,918 | 775 | 0 | 74 | 5 | 2,358 | 0 | 381 | 12,199 | 268 | 273 | 273 |
| July | 606 | 49 | 57 | 8,609 | 813 | 0 | 78 | 5 | 2,540 | 0 | 381 | 13,138 | 277 | 282 | 282 |
| August | 590 | 35 | 54 | 8,634 | 909 | 0 | 91 | 5 | 2,474 | 0 | 421 | 13,212 | 268 | 273 | 273 |
| Sept | 558 | 34 | 51 | 8,022 | 773 | 0 | 90 | 4 | 2,290 | 0 | 363 | 12,185 | 242 | 247 | 247 |
| October | 507 | 39 | 58 | 7,941 | 762 | 0 | 108 | 4 | 2,307 | 0 | 402 | 12,127 | 220 | 224 | 224 |
| November | 536 | 46 | 38 | 8,127 | 734 | 0 | 116 | 3 | 2,318 | 0 | 396 | 12,313 | 174 | 177 | 177 |
| December | 596 | 46 | 49 | 8,237 | 771 | 0 | 130 | 2 | 2,464 | 0 | 429 | 12,724 | 157 | 160 | 160 |
| Year 2019 | | | | | | | | | | | | | | | |
| January | 607 | 44 | 52 | 8,677 | 734 | 0 | 102 | 4 | 2,374 | 0 | 429 | 13,023 | 168 | 172 | 172 |
| February | 539 | 40 | 42 | 7,492 | 734 | 0 | 87 | 4 | 2,164 | 0 | 343 | 11,443 | 178 | 182 | 182 |
| March | 525 | 38 | 43 | 7,903 | 870 | 0 | 101 | 6 | 2,338 | 0 | 379 | 12,204 | 254 | 261 | 261 |
| April | 497 | 42 | 46 | 7,650 | 733 | 0 | 94 | 7 | 2,234 | 0 | 342 | 11,645 | 278 | 285 | 285 |
| May | 500 | 34 | 52 | 7,791 | 764 | 0 | 102 | 8 | 2,266 | 0 | 358 | 11,874 | 309 | 316 | 316 |
| June | 504 | 36 | 54 | 7,923 | 677 | 0 | 97 | 9 | 2,329 | 0 | 357 | 11,985 | 311 | 319 | 319 |
| July | 566 | 30 | 118 | 8,554 | 882 | 0 | 94 | 9 | 2,424 | 0 | 391 | 13,068 | 321 | 330 | 330 |
| August | 555 | 38 | 55 | 8,651 | 798 | 0 | 87 | 8 | 2,479 | 0 | 411 | 13,082 | 311 | 319 | 319 |
| Sept | 525 | 35 | 60 | 8,206 | 781 | 0 | 81 | 7 | 2,217 | 0 | 400 | 12,313 | 281 | 289 | 289 |
| October | 508 | 31 | 42 | 8,161 | 770 | 0 | 83 | 6 | 2,202 | 0 | 373 | 12,176 | 255 | 261 | 261 |
| November | 529 | 36 | 47 | 8,556 | 825 | 0 | 91 | 5 | 2,271 | 0 | 367 | 12,727 | 198 | 203 | 203 |
| December | 513 | 34 | 51 | 8,870 | 762 | 0 | 102 | 4 | 2,390 | 0 | 380 | 13,105 | 179 | 183 | 183 |
| Year 2020 | | | | | | | | | | | | | | | |
| January | 538 | 34 | 52 | 9,056 | 824 | 0 | 100 | 4 | 2,375 | 0 | 341 | 13,324 | 192 | 196 | 196 |
| February | 497 | 33 | NM | 8,195 | 836 | 0 | 97 | 5 | 2,209 | 0 | 298 | 12,218 | 213 | 218 | 218 |
| March | 483 | 30 | 46 | 8,213 | 796 | 0 | 104 | 7 | 2,315 | 0 | 311 | 12,305 | 293 | 300 | 300 |
| April | 439 | 27 | 28 | 7,354 | 653 | 0 | 104 | 8 | 2,230 | 0 | 358 | 11,201 | 316 | 324 | 324 |
| May | 430 | 30 | 30 | 7,444 | 704 | 0 | 102 | 12 | 2,217 | 0 | 370 | 11,339 | 349 | 361 | 361 |
| June | 407 | 34 | 49 | 7,868 | 698 | 0 | 93 | 11 | 2,184 | 0 | 361 | 11,706 | 355 | 366 | 366 |
| July | 453 | 32 | 53 | 8,293 | 728 | 0 | 90 | 12 | 2,222 | 0 | 354 | 12,237 | 370 | 382 | 382 |
| Year to Date | | | | | | | | | | | | | | | |
| 2018 | 4,224 | 317 | 391 | 53,930 | 5,428 | 0 | 614 | 28 | 16,588 | 0 | 2,715 | 84,237 | 1,575 | 1,603 | 1,603 |
| 2019 | 3,738 | 265 | 407 | 55,990 | 5,392 | 0 | 676 | 48 | 16,128 | 0 | 2,599 | 85,243 | 1,817 | 1,865 | 1,865 |
| 2020 | 3,246 | 220 | 305 | 56,424 | 5,239 | 0 | 692 | 59 | 15,752 | 0 | 2,394 | 84,331 | 2,088 | 2,147 | 2,147 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | | | | |
| 2019 | 6,525 | 465 | 656 | 96,952 | 9,341 | 0 | 1,211 | 67 | 27,979 | 0 | 4,609 | 147,804 | 2,878 | 2,945 | 2,945 |
| 2020 | 5,876 | 395 | NM | 98,868 | 9,175 | 0 | 1,135 | 90 | 27,310 | 0 | 4,325 | 147,734 | 3,312 | 3,402 | 3,402 |

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

## Table 1.2.E. Net Generation by Energy Source: Residential Sector, 2014-July 2020
## (Thousand Megawatthours)

| | Small Scale Generation |
|---|---|
| Period | Estimated Small Scale Solar Photovoltaic Generation |
| Annual Totals | |
| 2014 | 4,947 |
| 2015 | 6,999 |
| 2016 | 10,595 |
| 2017 | 13,942 |
| 2018 | 17,105 |
| 2019 | 20,902 |
| Year 2018 | |
| January | 921 |
| February | 1,007 |
| March | 1,393 |
| April | 1,592 |
| May | 1,753 |
| June | 1,788 |
| July | 1,834 |
| August | 1,756 |
| Sept | 1,539 |
| October | 1,385 |
| November | 1,108 |
| December | 1,029 |
| Year 2019 | |
| January | 1,106 |
| February | 1,204 |
| March | 1,726 |
| April | 1,934 |
| May | 2,129 |
| June | 2,174 |
| July | 2,267 |
| August | 2,183 |
| Sept | 1,929 |
| October | 1,696 |
| November | 1,346 |
| December | 1,209 |
| Year 2020 | |
| January | 1,369 |
| February | 1,566 |
| March | 2,034 |
| April | 2,293 |
| May | 2,593 |
| June | 2,592 |
| July | 2,670 |
| Year to Date | |
| 2018 | 10,287 |
| 2019 | 12,540 |
| 2020 | 15,117 |
| Rolling 12 Months Ending in July | |
| 2019 | 19,357 |
| 2020 | 23,480 |

See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources:
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

## Table 1.3.A. Utility Scale Facility Net Generation by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 10,922 | 10,492 | 4.1% | 249 | 276 | 10,274 | 9,811 | 128 | 124 | 272 | 282 |
| Connecticut | 4,413 | 4,116 | 7.2% | 6 | 5 | 4,302 | 4,011 | 40 | 39 | 65 | 62 |
| Maine | 913 | 921 | -0.9% | NM | 0 | 731 | 730 | 9 | 10 | 172 | 180 |
| Massachusetts | 2,779 | 2,531 | 9.8% | 130 | 95 | 2,564 | 2,347 | 68 | 65 | 17 | 24 |
| New Hampshire | 1,751 | 1,855 | -5.6% | 41 | 97 | 1,703 | 1,752 | 5 | 3 | 2 | 3 |
| Rhode Island | 889 | 870 | 2.1% | 0 | 0 | 868 | 851 | 6 | 6 | 15 | 14 |
| Vermont | 177 | 199 | -10.9% | 72 | 79 | 105 | 119 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 45,391 | 44,650 | 1.7% | 3,910 | 3,828 | 40,929 | 40,197 | 220 | 220 | 332 | 405 |
| New Jersey | 7,402 | 7,468 | -0.9% | 19 | 24 | 7,266 | 7,320 | 57 | 55 | 60 | 68 |
| New York | 14,319 | 14,157 | 1.1% | 3,887 | 3,798 | 10,234 | 10,155 | 129 | 131 | 69 | 73 |
| Pennsylvania | 23,669 | 23,025 | 2.8% | 4 | 6 | 23,429 | 22,721 | 35 | 34 | 202 | 264 |
| East North Central | 55,453 | 56,993 | -2.7% | 20,960 | 23,038 | 33,426 | 32,795 | 178 | 181 | 889 | 979 |
| Illinois | 17,668 | 17,496 | 1.0% | 954 | 827 | 16,419 | 16,373 | 50 | 52 | 245 | 244 |
| Indiana | 9,476 | 10,518 | -9.9% | 6,797 | 7,721 | 2,336 | 2,352 | 25 | 29 | 318 | 416 |
| Michigan | 9,916 | 11,570 | -14.3% | 6,518 | 8,168 | 3,214 | 3,217 | 60 | 62 | 124 | 123 |
| Ohio | 11,923 | 11,181 | 6.6% | 1,460 | 1,480 | 10,373 | 9,621 | 29 | 27 | 61 | 54 |
| Wisconsin | 6,469 | 6,229 | 3.9% | 5,231 | 4,842 | 1,084 | 1,232 | 13 | 12 | 141 | 142 |
| West North Central | 32,793 | 32,654 | 0.4% | 27,158 | 27,229 | 5,294 | 4,932 | 63 | 65 | 277 | 428 |
| Iowa | 5,746 | 6,150 | -6.6% | 4,700 | 4,934 | 862 | 932 | 20 | 21 | 164 | 264 |
| Kansas | 5,254 | 4,985 | 5.4% | 3,731 | 3,463 | 1,518 | 1,519 | NM | NM | NM | NM |
| Minnesota | 5,654 | 5,714 | -1.0% | 4,461 | 4,573 | 1,091 | 1,009 | 24 | 24 | 79 | 109 |
| Missouri | 7,516 | 7,735 | -2.8% | 7,005 | 7,198 | 491 | 517 | 18 | 18 | 3 | 2 |
| Nebraska | 3,683 | 3,567 | 3.3% | 3,110 | 3,085 | 557 | 444 | 1 | 1 | 15 | 37 |
| North Dakota | 3,534 | 3,429 | 3.1% | 3,037 | 3,028 | 485 | 387 | NM | NM | 12 | NM |
| South Dakota | 1,405 | 1,073 | 31.0% | 1,114 | 949 | 291 | 124 | NM | NM | 0 | 0 |
| South Atlantic | 83,867 | 83,751 | 0.1% | 68,223 | 68,945 | 13,896 | 12,946 | 168 | 163 | 1,579 | 1,697 |
| Delaware | 886 | 914 | -3.1% | 11 | 14 | 764 | 775 | 0 | 0 | 110 | 125 |
| District of Columbia | 11 | 6 | 70.4% | 0 | 0 | NM | NM | 9 | 5 | 0 | 0 |
| Florida | 25,089 | 24,354 | 3.0% | 23,478 | 22,702 | 1,190 | 1,189 | 6 | 6 | 414 | 458 |
| Georgia | 12,432 | 12,955 | -4.0% | 9,880 | 10,575 | 2,116 | 1,914 | NM | 1 | 435 | 464 |
| Maryland | 4,216 | 4,181 | 0.8% | 455 | 529 | 3,660 | 3,547 | 96 | 101 | 5 | 3 |
| North Carolina | 13,743 | 14,019 | -2.0% | 11,692 | 12,045 | 1,878 | 1,820 | 25 | 21 | 147 | 133 |
| South Carolina | 9,763 | 9,720 | 0.4% | 9,222 | 9,370 | 382 | 182 | 0 | 0 | 159 | 168 |
| Virginia | 11,037 | 10,474 | 5.4% | 8,593 | 8,253 | 2,221 | 1,974 | 30 | 28 | 194 | 219 |
| West Virginia | 6,690 | 7,127 | -6.1% | 4,891 | 5,457 | 1,682 | 1,543 | 0 | 0 | 117 | 127 |
| East South Central | 36,269 | 36,451 | -0.5% | 30,792 | 30,960 | 4,671 | 4,647 | 22 | 21 | 784 | 824 |
| Alabama | 13,311 | 13,599 | -2.1% | 8,740 | 9,469 | 4,163 | 3,703 | 0 | 0 | 407 | 427 |
| Kentucky | 7,378 | 7,107 | 3.8% | 7,132 | 6,973 | 195 | 83 | 0 | 0 | 50 | 52 |
| Mississippi | 7,165 | 7,223 | -0.8% | 6,739 | 6,243 | 262 | 813 | 0 | 0 | 164 | 167 |
| Tennessee | 8,415 | 8,522 | -1.3% | 8,181 | 8,275 | 50 | 49 | 22 | 21 | 162 | 177 |
| West South Central | 74,963 | 73,337 | 2.2% | 27,716 | 26,283 | 40,778 | 40,051 | 112 | 103 | 6,357 | 6,900 |
| Arkansas | 5,944 | 5,772 | 3.0% | 5,410 | 5,095 | 435 | 527 | NM | NM | 94 | 147 |
| Louisiana | 10,629 | 10,454 | 1.7% | 7,427 | 7,005 | 616 | 710 | 16 | 15 | 2,571 | 2,723 |
| Oklahoma | 9,037 | 8,681 | 4.1% | 5,322 | 4,468 | 3,647 | 4,140 | 0 | 0 | 68 | 74 |
| Texas | 49,352 | 48,430 | 1.9% | 9,558 | 9,716 | 36,079 | 34,675 | 90 | 84 | 3,625 | 3,956 |
| Mountain | 35,338 | 36,217 | -2.4% | 27,650 | 28,329 | 7,309 | 7,594 | 79 | 82 | 300 | 213 |
| Arizona | 11,469 | 12,136 | -5.5% | 9,630 | 10,220 | 1,826 | 1,902 | 13 | 13 | 0 | 0 |
| Colorado | 4,989 | 5,257 | -5.1% | 3,698 | 4,063 | 1,278 | 1,184 | 6 | 4 | 6 | 6 |
| Idaho | 1,806 | 1,513 | 19.4% | 1,284 | 963 | 485 | 494 | 4 | 4 | 32 | 52 |
| Montana | 2,119 | 2,294 | -7.6% | 1,180 | 804 | 937 | 1,488 | 0 | 0 | NM | NM |
| Nevada | 4,203 | 4,247 | -1.0% | 2,962 | 3,042 | 1,161 | 1,110 | 43 | 46 | 38 | 49 |
| New Mexico | 3,532 | 3,446 | 2.5% | 2,513 | 2,638 | 1,010 | 796 | 9 | 9 | 0 | 3 |
| Utah | 3,372 | 3,689 | -8.6% | 2,936 | 3,269 | 404 | 385 | 3 | 5 | 28 | 30 |
| Wyoming | 3,849 | 3,635 | 5.9% | 3,447 | 3,330 | 209 | 234 | 0 | 0 | 193 | 70 |
| Pacific Contiguous | 36,161 | 35,563 | 1.7% | 21,121 | 20,306 | 13,405 | 13,716 | 217 | 230 | 1,418 | 1,311 |
| California | 19,763 | 20,833 | -5.1% | 7,172 | 9,107 | 11,216 | 10,355 | 208 | 223 | 1,167 | 1,148 |
| Oregon | 5,625 | 5,260 | 6.9% | 4,156 | 3,463 | 1,400 | 1,727 | 6 | 7 | 63 | 64 |
| Washington | 10,773 | 9,469 | 13.8% | 9,794 | 7,736 | 789 | 1,633 | 2 | NM | 189 | 99 |
| Pacific Noncontiguous | 1,423 | 1,508 | -5.6% | 999 | 1,039 | 333 | 379 | 62 | 58 | 29 | 31 |
| Alaska | 645 | 633 | 1.9% | 589 | 579 | 18 | NM | 27 | NM | 10 | 11 |
| Hawaii | 779 | 875 | -11.0% | 410 | 460 | 315 | 359 | 34 | 36 | 19 | 20 |
| U.S. Total | 412,579 | 411,616 | 0.2% | 228,778 | 230,233 | 170,316 | 167,067 | 1,247 | 1,247 | 12,237 | 13,068 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.3.B. Utility Scale Facility Net Generation

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 56,796 | 58,787 | -3.4% | 1,334 | 1,513 | 52,984 | 54,819 | 758 | 768 | 1,720 | 1,687 |
| Connecticut | 24,458 | 22,601 | 8.2% | 45 | 53 | 23,785 | 21,957 | 237 | 230 | 391 | 361 |
| Maine | 6,058 | 6,100 | -0.7% | NM | 0 | 4,898 | 4,953 | 64 | 79 | 1,094 | 1,067 |
| Massachusetts | 10,766 | 14,050 | -23.4% | 423 | 348 | 9,817 | 13,162 | 392 | 384 | 134 | 158 |
| New Hampshire | 9,289 | 10,315 | -9.9% | 323 | 609 | 8,919 | 9,650 | 32 | 39 | 16 | 17 |
| Rhode Island | 4,829 | 4,368 | 10.6% | 0 | 0 | 4,711 | 4,250 | 32 | 33 | 86 | 84 |
| Vermont | 1,397 | 1,354 | 3.2% | 542 | 504 | 854 | 847 | 2 | 2 | 0 | 0 |
| Middle Atlantic | 246,114 | 250,340 | -1.7% | 21,360 | 20,537 | 221,174 | 225,939 | 1,300 | 1,325 | 2,279 | 2,539 |
| New Jersey | 36,618 | 40,605 | -9.8% | 18 | 64 | 35,855 | 39,777 | 339 | 336 | 406 | 429 |
| New York | 77,030 | 75,640 | 1.8% | 21,272 | 20,391 | 54,523 | 53,981 | 745 | 765 | 490 | 503 |
| Pennsylvania | 132,467 | 134,095 | -1.2% | 70 | 82 | 130,797 | 132,182 | 216 | 225 | 1,384 | 1,607 |
| East North Central | 313,497 | 344,946 | -9.1% | 107,211 | 128,976 | 198,869 | 208,441 | 1,017 | 1,066 | 6,399 | 6,463 |
| Illinois | 98,710 | 107,599 | -8.3% | 3,266 | 3,173 | 93,631 | 102,639 | 244 | 244 | 1,569 | 1,544 |
| Indiana | 50,615 | 61,470 | -17.7% | 31,593 | 43,262 | 16,344 | 15,427 | 143 | 152 | 2,534 | 2,629 |
| Michigan | 60,081 | 68,442 | -12.2% | 37,278 | 46,527 | 21,552 | 20,602 | 408 | 450 | 842 | 863 |
| Ohio | 67,828 | 71,130 | -4.6% | 7,227 | 8,005 | 60,048 | 62,575 | 132 | 137 | 421 | 412 |
| Wisconsin | 36,263 | 36,305 | -0.1% | 27,846 | 28,008 | 7,295 | 7,198 | 90 | 84 | 1,033 | 1,015 |
| West North Central | 192,805 | 197,805 | -2.5% | 146,030 | 157,503 | 44,313 | 37,534 | 351 | 373 | 2,111 | 2,395 |
| Iowa | 33,896 | 37,504 | -9.6% | 24,710 | 28,529 | 7,932 | 7,565 | 115 | 130 | 1,140 | 1,279 |
| Kansas | 31,166 | 30,067 | 3.7% | 18,135 | 19,107 | 12,929 | 10,897 | NM | 9 | 93 | 55 |
| Minnesota | 31,224 | 33,892 | -7.9% | 22,634 | 26,070 | 7,874 | 6,939 | 115 | 118 | 601 | 765 |
| Missouri | 41,135 | 45,009 | -8.6% | 37,490 | 41,641 | 3,520 | 3,246 | 100 | 104 | 24 | 19 |
| Nebraska | 21,944 | 21,051 | 4.2% | 17,005 | 16,911 | 4,766 | 3,942 | 10 | 10 | 162 | 188 |
| North Dakota | 24,532 | 22,760 | 7.8% | 19,681 | 18,924 | 4,760 | 3,745 | NM | NM | 89 | 90 |
| South Dakota | 8,906 | 7,522 | 18.4% | 6,375 | 6,321 | 2,531 | 1,200 | NM | NM | 0 | 0 |
| South Atlantic | 458,627 | 470,196 | -2.5% | 375,503 | 390,096 | 71,078 | 67,913 | 1,056 | 1,100 | 10,991 | 11,086 |
| Delaware | 3,096 | 3,091 | 0.2% | 15 | 21 | 2,330 | 2,314 | 3 | 3 | 747 | 752 |
| District of Columbia | 66 | 55 | 20.6% | 0 | 0 | 11 | 9 | 55 | 46 | 0 | 0 |
| Florida | 144,160 | 139,851 | 3.1% | 134,362 | 130,605 | 6,928 | 6,270 | 44 | 41 | 2,825 | 2,935 |
| Georgia | 65,947 | 72,642 | -9.2% | 51,892 | 60,406 | 11,009 | 9,240 | 2 | 4 | 3,044 | 2,992 |
| Maryland | 21,576 | 23,555 | -8.4% | 1,948 | 2,641 | 19,025 | 20,152 | 575 | 637 | 28 | 125 |
| North Carolina | 72,011 | 75,096 | -4.1% | 59,946 | 63,593 | 10,839 | 10,338 | 161 | 155 | 1,065 | 1,010 |
| South Carolina | 57,056 | 59,785 | -4.6% | 54,318 | 57,620 | 1,678 | 1,090 | 2 | 2 | 1,057 | 1,074 |
| Virginia | 61,939 | 57,600 | 7.5% | 48,310 | 45,191 | 12,007 | 10,783 | 213 | 212 | 1,410 | 1,413 |
| West Virginia | 32,776 | 38,522 | -14.9% | 24,712 | 30,018 | 7,250 | 7,719 | 0 | 0 | 815 | 785 |
| East South Central | 197,661 | 209,999 | -5.9% | 168,565 | 178,877 | 23,560 | 25,676 | 136 | 124 | 5,400 | 5,322 |
| Alabama | 78,154 | 82,208 | -4.9% | 55,012 | 59,208 | 20,355 | 20,287 | 0 | 0 | 2,787 | 2,713 |
| Kentucky | 36,390 | 41,656 | -12.6% | 35,680 | 41,097 | 378 | 227 | 0 | 0 | 333 | 332 |
| Mississippi | 38,726 | 37,781 | 2.5% | 35,089 | 31,842 | 2,538 | 4,891 | 0 | 0 | 1,100 | 1,047 |
| Tennessee | 44,390 | 48,355 | -8.2% | 42,785 | 46,730 | 289 | 270 | 136 | 124 | 1,180 | 1,231 |
| West South Central | 413,254 | 413,693 | -0.1% | 132,669 | 137,369 | 235,726 | 230,685 | 590 | 610 | 44,269 | 45,029 |
| Arkansas | 28,865 | 35,450 | -18.6% | 25,474 | 31,370 | 2,676 | 3,029 | 36 | 24 | 678 | 1,027 |
| Louisiana | 61,625 | 57,917 | 6.4% | 40,729 | 34,726 | 3,082 | 4,636 | 109 | 89 | 17,706 | 18,466 |
| Oklahoma | 49,427 | 47,423 | 4.2% | 22,437 | 22,305 | 26,457 | 24,649 | 0 | 0 | 532 | 469 |
| Texas | 273,337 | 272,903 | 0.2% | 44,029 | 48,968 | 203,510 | 198,370 | 445 | 497 | 25,352 | 25,067 |
| Mountain | 202,038 | 209,750 | -3.7% | 152,149 | 161,606 | 47,462 | 45,955 | 581 | 578 | 1,846 | 1,611 |
| Arizona | 60,986 | 64,528 | -5.5% | 50,995 | 55,280 | 9,905 | 9,161 | 85 | 88 | 0 | 0 |
| Colorado | 31,269 | 32,003 | -2.3% | 22,848 | 24,607 | 8,348 | 7,334 | 31 | 20 | 42 | 42 |
| Idaho | 11,148 | 9,845 | 13.2% | 7,279 | 6,425 | 3,514 | 3,058 | 30 | 27 | 325 | 335 |
| Montana | 14,030 | 15,780 | -11.1% | 7,242 | 6,437 | 6,768 | 9,325 | 0 | 0 | 20 | 17 |
| Nevada | 22,955 | 22,384 | 2.5% | 15,159 | 15,084 | 7,286 | 6,789 | 338 | 334 | 172 | 177 |
| New Mexico | 19,974 | 19,497 | 2.4% | 12,332 | 13,152 | 7,576 | 6,281 | 56 | 60 | 10 | 4 |
| Utah | 19,172 | 22,087 | -13.2% | 16,624 | 19,477 | 2,283 | 2,255 | 41 | 49 | 224 | 307 |
| Wyoming | 22,504 | 23,625 | -4.7% | 19,670 | 21,144 | 1,781 | 1,752 | 0 | 0 | 1,053 | 729 |
| Pacific Contiguous | 216,040 | 216,483 | -0.2% | 129,462 | 130,853 | 76,003 | 75,226 | 1,462 | 1,511 | 9,113 | 8,893 |
| California | 109,049 | 117,517 | -7.2% | 39,948 | 51,089 | 60,087 | 57,192 | 1,404 | 1,454 | 7,610 | 7,782 |
| Oregon | 38,569 | 36,279 | 6.3% | 27,938 | 25,954 | 10,160 | 9,898 | 44 | 42 | 428 | 385 |
| Washington | 68,422 | 62,687 | 9.1% | 61,576 | 53,810 | 5,756 | 8,136 | 14 | 14 | 1,075 | 726 |
| Pacific Noncontiguous | 9,027 | 9,041 | -0.2% | 6,161 | 6,029 | 2,253 | 2,377 | 410 | 416 | 204 | 218 |
| Alaska | 3,825 | 3,534 | 8.2% | 3,424 | 3,158 | 136 | 131 | 197 | 175 | 68 | 71 |
| Hawaii | 5,202 | 5,507 | -5.5% | 2,737 | 2,872 | 2,116 | 2,247 | 213 | 241 | 136 | 148 |
| U.S. Total | 2,305,859 | 2,381,041 | -3.2% | 1,240,445 | 1,313,360 | 973,422 | 974,566 | 7,661 | 7,871 | 84,331 | 85,243 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.4.A. Utility Scale Facility Net Generation from Coal by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 5 | 40 | -87.5% | 0 | 34 | 3 | 3 | 0 | 0 | NM | NM |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 4 | NM | NM | 0 | 0 | 3 | 3 | 0 | 0 | NM | NM |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 34 | -100.0% | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 2,776 | 4,061 | -31.6% | 0 | 0 | 2,771 | 4,050 | 0 | 0 | 5 | NM |
| New Jersey | 80 | 90 | -11.7% | 0 | 0 | 80 | 90 | 0 | 0 | 0 | 0 |
| New York | 0 | 43 | -100.0% | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 |
| Pennsylvania | 2,697 | 3,928 | -31.3% | 0 | 0 | 2,691 | 3,917 | 0 | 0 | 5 | NM |
| East North Central | 19,511 | 22,333 | -12.6% | 11,242 | 13,572 | 8,104 | 8,585 | 5 | 7 | 160 | 169 |
| Illinois | 3,988 | 4,846 | -17.7% | 247 | 359 | 3,607 | 4,348 | 3 | NM | 131 | 137 |
| Indiana | 5,368 | 6,656 | -19.3% | 4,951 | 6,220 | 416 | 432 | 2 | 4 | 0 | 0 |
| Michigan | 2,716 | 3,951 | -31.3% | 2,687 | 3,909 | 26 | 38 | 0 | 0 | NM | NM |
| Ohio | 4,541 | 4,314 | 5.2% | 486 | 547 | 4,055 | 3,767 | 0 | 0 | 0 | 0 |
| Wisconsin | 2,898 | 2,566 | 12.9% | 2,872 | 2,538 | 0 | 0 | 0 | 0 | 26 | NM |
| West North Central | 16,033 | 16,772 | -4.4% | 15,871 | 16,522 | 0 | 0 | 6 | 7 | 156 | 243 |
| Iowa | 2,374 | 2,716 | -12.6% | 2,247 | 2,554 | 0 | 0 | 5 | 5 | 122 | 157 |
| Kansas | 2,217 | 1,920 | 15.5% | 2,217 | 1,920 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 1,869 | 1,893 | -1.3% | 1,857 | 1,852 | 0 | 0 | 1 | 1 | NM | 40 |
| Missouri | 5,063 | 5,474 | -7.5% | 5,063 | 5,474 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 2,090 | 2,128 | -1.8% | 2,075 | 2,091 | 0 | 0 | 0 | 0 | 15 | 37 |
| North Dakota | 2,251 | 2,410 | -6.6% | 2,243 | 2,401 | 0 | 0 | 0 | 0 | NM | NM |
| South Dakota | 169 | 231 | -26.8% | 169 | 231 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 17,430 | 19,552 | -10.9% | 15,157 | 17,352 | 2,234 | 2,155 | 3 | 0 | 36 | 45 |
| Delaware | 58 | 80 | -26.7% | 0 | 0 | 58 | 80 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 1,973 | 2,256 | -12.5% | 1,971 | 2,250 | 0 | 0 | 0 | 0 | NM | NM |
| Georgia | 2,116 | 3,181 | -33.5% | 2,104 | 3,166 | 0 | 0 | 0 | 0 | 12 | NM |
| Maryland | 898 | 839 | 7.1% | 0 | 0 | 898 | 839 | 0 | 0 | 0 | 0 |
| North Carolina | 3,614 | 4,347 | -16.9% | 3,595 | 4,329 | 8 | 8 | 3 | 0 | 8 | 10 |
| South Carolina | 1,622 | 1,615 | 0.5% | 1,606 | 1,614 | 16 | 0 | 0 | 0 | 1 | 0 |
| Virginia | 1,109 | 658 | 68.6% | 1,091 | 642 | 5 | 2 | 0 | 0 | 13 | 13 |
| West Virginia | 6,040 | 6,577 | -8.2% | 4,791 | 5,350 | 1,249 | 1,227 | 0 | 0 | 0 | 0 |
| East South Central | 10,503 | 10,563 | -0.6% | 10,249 | 10,282 | 218 | 235 | 0 | 0 | 36 | 47 |
| Alabama | 2,442 | 2,461 | -0.8% | 2,442 | 2,457 | 0 | 0 | 0 | 0 | 0 | NM |
| Kentucky | 5,031 | 5,116 | -1.7% | 5,031 | 5,116 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 537 | 507 | 6.0% | 319 | 272 | 218 | 235 | 0 | 0 | 0 | 0 |
| Tennessee | 2,494 | 2,479 | 0.6% | 2,458 | 2,437 | 0 | 0 | 0 | 0 | 36 | 42 |
| West South Central | 12,055 | 13,178 | -8.5% | 6,782 | 7,178 | 5,270 | 5,987 | 0 | 0 | 3 | 12 |
| Arkansas | 2,159 | 2,383 | -9.4% | 1,862 | 2,002 | 295 | 377 | 0 | 0 | 3 | 3 |
| Louisiana | 541 | 772 | -30.0% | 536 | 766 | 5 | 7 | 0 | 0 | 0 | 0 |
| Oklahoma | 1,130 | 886 | 27.6% | 1,130 | 829 | 0 | 48 | 0 | 0 | 0 | 9 |
| Texas | 8,224 | 9,137 | -10.0% | 3,255 | 3,582 | 4,970 | 5,555 | 0 | 0 | 0 | 0 |
| Mountain | 10,785 | 13,247 | -18.6% | 9,837 | 11,759 | 920 | 1,455 | 0 | 0 | 28 | NM |
| Arizona | 1,412 | 2,655 | -46.8% | 1,412 | 2,655 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 1,752 | 2,128 | -17.7% | 1,752 | 2,128 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Montana | 742 | 1,297 | -42.8% | 17 | 27 | 725 | 1,270 | 0 | 0 | NM | NM |
| Nevada | 269 | 250 | 7.8% | 170 | 166 | 99 | 84 | 0 | 0 | 0 | 0 |
| New Mexico | 1,506 | 1,534 | -1.8% | 1,506 | 1,534 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 1,881 | 2,211 | -14.9% | 1,849 | 2,175 | 32 | 37 | 0 | 0 | 0 | 0 |
| Wyoming | 3,222 | 3,170 | 1.6% | 3,132 | 3,074 | 64 | 64 | 0 | 0 | 26 | NM |
| Pacific Contiguous | 419 | 1,053 | -60.2% | 195 | 314 | 198 | 735 | 0 | 0 | 26 | 3 |
| California | 24 | 2 | NM | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 2 |
| Oregon | 195 | 314 | -38.1% | 195 | 314 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 200 | 736 | -72.9% | 0 | 0 | 198 | 735 | 0 | 0 | 1 | 1 |
| Pacific Noncontiguous | 145 | 182 | -20.6% | NM | 39 | 116 | 136 | NM | NM | 0 | 0 |
| Alaska | NM | 63 | NM | NM | 39 | NM | NM | NM | NM | 0 | 0 |
| Hawaii | 101 | 120 | -15.4% | 0 | 0 | 101 | 120 | 0 | 0 | 0 | 0 |
| U.S. Total | 89,663 | 100,981 | -11.2% | 69,357 | 77,053 | 19,834 | 23,342 | 19 | NM | 453 | 566 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.4.B. Utility Scale Facility Net Generation from Coal

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 83 | 351 | -76.4% | 56 | 241 | 15 | 94 | 0 | 0 | 12 | 16 |
| Connecticut | -13 | 60 | -120.9% | 0 | 0 | -13 | 60 | 0 | 0 | 0 | 0 |
| Maine | 40 | 50 | -19.6% | 0 | 0 | 27 | 34 | 0 | 0 | 12 | 16 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 56 | 241 | -77.0% | 56 | 241 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 14,270 | 24,821 | -42.5% | 0 | 0 | 14,236 | 24,746 | 0 | 0 | 34 | 76 |
| New Jersey | 538 | 623 | -13.6% | 0 | 0 | 538 | 623 | 0 | 0 | 0 | 0 |
| New York | 144 | 386 | -62.7% | 0 | 0 | 144 | 386 | 0 | 0 | 0 | 0 |
| Pennsylvania | 13,589 | 23,813 | -42.9% | 0 | 0 | 13,554 | 23,738 | 0 | 0 | 34 | 76 |
| East North Central | 93,518 | 135,719 | -31.1% | 53,480 | 79,319 | 38,916 | 55,204 | 22 | 42 | 1,100 | 1,153 |
| Illinois | 16,877 | 29,864 | -43.5% | 1,068 | 2,194 | 14,901 | 26,758 | 14 | 19 | 894 | 892 |
| Indiana | 25,185 | 37,785 | -33.3% | 22,474 | 35,532 | 2,702 | 2,230 | 9 | 23 | 0 | 0 |
| Michigan | 14,139 | 23,256 | -39.2% | 13,899 | 23,023 | 218 | 197 | 0 | 0 | 22 | 36 |
| Ohio | 23,541 | 29,085 | -19.1% | 2,447 | 3,063 | 21,094 | 26,019 | 0 | 0 | 0 | 3 |
| Wisconsin | 13,776 | 15,729 | -12.4% | 13,592 | 15,506 | 0 | 0 | 0 | 0 | 184 | 223 |
| West North Central | 78,008 | 95,746 | -18.5% | 76,861 | 94,323 | 0 | 0 | 32 | 46 | 1,115 | 1,377 |
| Iowa | 7,837 | 14,066 | -44.3% | 7,001 | 13,121 | 0 | 0 | 28 | 38 | 808 | 906 |
| Kansas | 9,139 | 9,954 | -8.2% | 9,139 | 9,954 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 6,953 | 11,192 | -37.9% | 6,863 | 10,961 | 0 | 0 | 1 | 2 | 90 | 229 |
| Missouri | 27,862 | 33,252 | -16.2% | 27,858 | 33,246 | 0 | 0 | 3 | 6 | 0 | 0 |
| Nebraska | 11,248 | 11,516 | -2.3% | 11,085 | 11,327 | 0 | 0 | 0 | 0 | 162 | 188 |
| North Dakota | 14,050 | 14,158 | -0.8% | 13,995 | 14,104 | 0 | 0 | 0 | 0 | 55 | 54 |
| South Dakota | 919 | 1,608 | -42.9% | 919 | 1,608 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 63,609 | 93,041 | -31.6% | 56,432 | 83,336 | 6,882 | 9,326 | 22 | 27 | 273 | 353 |
| Delaware | 43 | 110 | -61.0% | 0 | 0 | 43 | 110 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 8,162 | 11,990 | -31.9% | 8,139 | 11,951 | 0 | 0 | 0 | 0 | 23 | 39 |
| Georgia | 5,354 | 15,165 | -64.7% | 5,253 | 15,066 | 0 | 0 | 0 | 0 | 101 | 99 |
| Maryland | 1,968 | 3,118 | -36.9% | 0 | 0 | 1,968 | 3,087 | 0 | 0 | 0 | 32 |
| North Carolina | 10,696 | 16,513 | -35.2% | 10,546 | 16,304 | 55 | 110 | 21 | 23 | 75 | 77 |
| South Carolina | 6,456 | 8,586 | -24.8% | 6,408 | 8,580 | 43 | 0 | 0 | 0 | 4 | 7 |
| Virginia | 2,002 | 2,204 | -9.1% | 1,916 | 1,990 | 15 | 111 | 1 | 4 | 69 | 99 |
| West Virginia | 28,926 | 35,354 | -18.2% | 24,170 | 29,445 | 4,757 | 5,908 | 0 | 0 | 0 | 0 |
| East South Central | 46,536 | 58,887 | -21.0% | 44,636 | 56,963 | 1,658 | 1,627 | 0 | 0 | 242 | 296 |
| Alabama | 11,241 | 15,178 | -25.9% | 11,233 | 15,151 | 0 | 0 | 0 | 0 | NM | 27 |
| Kentucky | 25,143 | 30,850 | -18.5% | 25,143 | 30,850 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 2,591 | 2,918 | -11.2% | 933 | 1,291 | 1,658 | 1,627 | 0 | 0 | 0 | 0 |
| Tennessee | 7,562 | 9,940 | -23.9% | 7,327 | 9,672 | 0 | 0 | 0 | 0 | 235 | 269 |
| West South Central | 54,123 | 77,946 | -30.6% | 25,217 | 41,891 | 28,832 | 35,962 | 0 | 0 | 73 | 93 |
| Arkansas | 8,030 | 13,342 | -39.8% | 6,278 | 11,240 | 1,730 | 2,079 | 0 | 0 | 21 | 23 |
| Louisiana | 2,187 | 4,646 | -52.9% | 2,066 | 3,472 | 121 | 1,174 | 0 | 0 | 0 | 0 |
| Oklahoma | 2,567 | 5,408 | -52.5% | 2,425 | 5,202 | 89 | 136 | 0 | 0 | 52 | 70 |
| Texas | 41,340 | 54,551 | -24.2% | 14,448 | 21,977 | 26,893 | 32,574 | 0 | 0 | 0 | 0 |
| Mountain | 60,504 | 79,109 | -23.5% | 54,287 | 70,222 | 6,000 | 8,672 | 0 | 0 | 217 | 215 |
| Arizona | 6,631 | 14,021 | -52.7% | 6,631 | 14,021 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 11,295 | 14,129 | -20.1% | 11,295 | 14,125 | 0 | 0 | 0 | 0 | 0 | 4 |
| Idaho | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Montana | 5,000 | 7,646 | -34.6% | 129 | 166 | 4,865 | 7,476 | 0 | 0 | NM | NM |
| Nevada | 992 | 1,526 | -35.0% | 413 | 980 | 578 | 546 | 0 | 0 | 0 | 0 |
| New Mexico | 7,194 | 8,198 | -12.2% | 7,194 | 8,198 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 11,280 | 13,774 | -18.1% | 11,123 | 13,533 | 157 | 241 | 0 | 0 | 0 | 0 |
| Wyoming | 18,101 | 19,804 | -8.6% | 17,500 | 19,198 | 400 | 409 | 0 | 0 | 201 | 196 |
| Pacific Contiguous | 2,320 | 4,380 | -47.0% | 823 | 1,119 | 1,318 | 3,101 | 0 | 0 | 178 | 160 |
| California | 164 | 145 | 12.5% | 0 | 0 | 0 | 0 | 0 | 0 | 164 | 145 |
| Oregon | 823 | 1,119 | -26.5% | 823 | 1,119 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 1,333 | 3,115 | -57.2% | 0 | 0 | 1,318 | 3,101 | 0 | 0 | 15 | 14 |
| Pacific Noncontiguous | 1,059 | 1,110 | -4.6% | 233 | 239 | 764 | 817 | 62 | 54 | 0 | 0 |
| Alaska | 397 | 390 | 1.8% | 233 | 239 | 102 | 97 | 62 | 54 | 0 | 0 |
| Hawaii | 662 | 720 | -8.1% | 0 | 0 | 662 | 720 | 0 | 0 | 0 | 0 |
| U.S. Total | 414,029 | 571,110 | -27.5% | 312,025 | 427,654 | 98,620 | 139,550 | 138 | 168 | 3,246 | 3,738 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 25 | 44 | -43.6% | 3 | 4 | 20 | 37 | NM | 2 | NM | NM |
| Connecticut | 10 | 8 | 26.1% | NM | 1 | 10 | 7 | NM | NM | 0 | 0 |
| Maine | 1 | 7 | -82.9% | 0 | 0 | 1 | 6 | 0 | 0 | NM | NM |
| Massachusetts | 11 | 25 | -53.8% | NM | NM | 9 | 22 | NM | 1 | 0 | 0 |
| New Hampshire | 1 | 3 | -63.9% | 1 | 2 | NM | NM | 0 | 1 | 0 | 0 |
| Rhode Island | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | NM | NM |
| Vermont | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 59 | 54 | 10.7% | 24 | 10 | 32 | 41 | NM | NM | 1 | 1 |
| New Jersey | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| New York | 38 | 29 | 30.5% | 24 | 10 | 12 | 18 | NM | NM | 1 | 0 |
| Pennsylvania | 18 | 22 | -17.9% | 0 | 0 | 17 | 21 | 1 | 1 | NM | 1 |
| East North Central | 52 | 39 | 34.1% | 33 | 25 | 19 | 13 | NM | 0 | 0 | 0 |
| Illinois | 4 | 3 | 33.5% | NM | 1 | 3 | 2 | 0 | 0 | 0 | 0 |
| Indiana | 15 | 9 | 62.9% | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 13 | 11 | 23.1% | 13 | 11 | 0 | 0 | NM | 0 | NM | 0 |
| Ohio | 17 | 12 | 35.3% | 1 | 1 | 16 | 11 | 0 | 0 | 0 | 0 |
| Wisconsin | NM | 4 | NM | NM | 4 | 0 | 0 | NM | NM | 0 | 0 |
| West North Central | 23 | 22 | 4.5% | 22 | 21 | NM | NM | 0 | 0 | 0 | 0 |
| Iowa | 7 | 5 | 35.6% | 7 | 5 | NM | 0 | 0 | 0 | 0 | 0 |
| Kansas | 2 | 5 | -50.3% | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | NM | NM | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 |
| Missouri | 7 | 5 | 39.7% | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 2 | 2 | 19.1% | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | NM | 2 | NM | NM | 2 | 0 | 0 | NM | NM | 0 | 0 |
| South Atlantic | 128 | 130 | -1.0% | 82 | 95 | 33 | 23 | 5 | 6 | 8 | 5 |
| Delaware | NM | 5 | NM | 0 | 0 | NM | 5 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 21 | 36 | -40.3% | 20 | 35 | NM | NM | 0 | 0 | 1 | NM |
| Georgia | 12 | 9 | 38.3% | 7 | 3 | NM | NM | 0 | 1 | 4 | 4 |
| Maryland | 21 | 10 | 103.4% | NM | 0 | 21 | 10 | NM | 0 | 0 | 0 |
| North Carolina | 14 | 15 | -6.3% | 12 | 13 | NM | NM | NM | NM | NM | NM |
| South Carolina | 5 | 8 | -36.3% | 5 | 8 | 0 | 0 | 0 | 0 | 1 | 0 |
| Virginia | 34 | 30 | 12.9% | 23 | 19 | 6 | 6 | 5 | 5 | NM | NM |
| West Virginia | 16 | 17 | -7.1% | 16 | 16 | 0 | 1 | 0 | 0 | 0 | 0 |
| East South Central | 22 | 22 | 1.4% | 22 | 22 | NM | NM | 0 | 0 | 1 | NM |
| Alabama | 1 | 2 | -55.5% | 0 | 1 | NM | NM | 0 | 0 | NM | NM |
| Kentucky | 7 | 5 | 32.1% | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 1 | 1 | 17.3% | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 14 | 15 | -4.3% | 14 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 10 | 8 | 22.4% | 9 | 6 | 1 | 2 | 0 | 0 | 0 | 0 |
| Arkansas | 4 | 3 | 12.6% | 4 | 1 | 0 | 2 | 0 | 0 | 0 | 0 |
| Louisiana | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 2 | 2 | 39.6% | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 3 | 3 | 18.2% | 2 | 2 | 1 | NM | 0 | 0 | 0 | 0 |
| Mountain | 14 | 18 | -20.8% | 14 | 16 | 0 | 1 | NM | NM | 0 | 0 |
| Arizona | 3 | 4 | -9.5% | 3 | 4 | 0 | 0 | NM | NM | 0 | 0 |
| Colorado | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | NM | 1 | NM | NM | NM | 0 | 1 | 0 | 0 | 0 | 0 |
| Nevada | 1 | 2 | -73.2% | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 2 | 2 | -0.1% | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 4 | 2 | 73.3% | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 2 | 5 | -53.4% | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 8 | 6 | 32.4% | 4 | 4 | 2 | 1 | 0 | 0 | NM | NM |
| California | 5 | 3 | 38.2% | 4 | 3 | 1 | 0 | NM | 0 | 0 | 0 |
| Oregon | 1 | 1 | -23.1% | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 3 | 2 | 46.8% | NM | NM | 2 | 1 | 0 | 0 | NM | NM |
| Pacific Noncontiguous | 608 | 687 | -11.4% | 476 | 511 | 112 | 154 | 1 | 0 | 20 | 21 |
| Alaska | 92 | 77 | 20.1% | 89 | 72 | 0 | 0 | 0 | NM | 4 | 5 |
| Hawaii | 516 | 609 | -15.4% | 387 | 439 | 112 | 154 | 1 | 0 | 16 | 16 |
| U.S. Total | 950 | 1,029 | -7.6% | 689 | 715 | 220 | 274 | 10 | 10 | 32 | 30 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.5.B. Utility Scale Facility Net Generation from Petroleum Liquids

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 95 | 179 | -46.6% | 15 | 18 | 64 | 131 | 12 | 20 | 5 | 10 |
| Connecticut | 31 | 53 | -40.3% | 3 | 3 | 28 | 45 | NM | 3 | 0 | 2 |
| Maine | 16 | 20 | -17.0% | 0 | 0 | 11 | 12 | 1 | 1 | 5 | 7 |
| Massachusetts | 29 | 78 | -63.2% | 7 | NM | 18 | 64 | 4 | 6 | 0 | 1 |
| New Hampshire | 11 | 17 | -31.8% | 4 | 7 | NM | NM | 7 | 8 | 0 | 0 |
| Rhode Island | NM | 11 | NM | 0 | 0 | NM | NM | 1 | 2 | NM | NM |
| Vermont | 1 | NM | NM | 1 | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 189 | 582 | -67.5% | 47 | 172 | 129 | 385 | 5 | 8 | 7 | 16 |
| New Jersey | 27 | 53 | -49.9% | 0 | 1 | 26 | 51 | 0 | 1 | 0 | 1 |
| New York | 108 | 401 | -73.1% | 47 | 171 | 53 | 213 | NM | NM | 4 | 12 |
| Pennsylvania | 54 | 128 | -57.4% | 0 | 0 | 49 | 122 | 2 | 2 | 3 | 4 |
| East North Central | 221 | 296 | -25.3% | 143 | 177 | 74 | 109 | 1 | 1 | 3 | 9 |
| Illinois | 13 | 24 | -47.2% | 3 | 3 | 9 | 21 | 0 | 0 | 0 | 0 |
| Indiana | 66 | 80 | -17.4% | 65 | 76 | 0 | 0 | 0 | NM | 1 | 4 |
| Michigan | 49 | 58 | -15.7% | 48 | 55 | 0 | 0 | NM | 1 | 1 | 2 |
| Ohio | 73 | 104 | -29.9% | 8 | 20 | 64 | 81 | 0 | 0 | 1 | 3 |
| Wisconsin | 20 | 29 | -31.8% | 18 | 22 | 1 | 7 | NM | 0 | 0 | 0 |
| West North Central | 158 | 195 | -18.8% | 154 | 187 | NM | 6 | 1 | 2 | 1 | 1 |
| Iowa | 25 | 43 | -42.1% | 24 | 41 | 2 | 2 | 0 | 0 | 0 | 0 |
| Kansas | 44 | 35 | 22.9% | 44 | 35 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 21 | 27 | -21.3% | 18 | 20 | NM | NM | 1 | 2 | 1 | 1 |
| Missouri | 36 | 49 | -26.2% | 36 | 49 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NM | 12 | NM | NM | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 20 | 24 | -14.5% | 20 | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | NM | 5 | NM | NM | 5 | 0 | 0 | NM | NM | 0 | 0 |
| South Atlantic | 524 | 793 | -34.0% | 364 | 579 | 89 | 136 | 25 | 22 | 46 | 56 |
| Delaware | 16 | 31 | -46.5% | 0 | 0 | 16 | 30 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 120 | 194 | -38.3% | 109 | 185 | 2 | 1 | 0 | 0 | 8 | 8 |
| Georgia | 23 | 78 | -70.5% | -6 | 35 | NM | 6 | 1 | 2 | 25 | 36 |
| Maryland | 47 | 52 | -8.8% | 0 | 0 | 47 | 50 | NM | 0 | 0 | 1 |
| North Carolina | 87 | 151 | -42.2% | 78 | 140 | NM | 5 | NM | NM | 6 | 6 |
| South Carolina | 40 | 58 | -30.9% | 37 | 53 | 0 | 1 | 0 | 0 | 3 | 4 |
| Virginia | 104 | 155 | -32.7% | 61 | 93 | 17 | 42 | 24 | 19 | 3 | 2 |
| West Virginia | 86 | 75 | 14.6% | 85 | 74 | 0 | 1 | 0 | 0 | 0 | 0 |
| East South Central | 112 | 164 | -31.6% | 107 | 156 | 1 | 1 | 0 | 0 | 5 | 7 |
| Alabama | 5 | 12 | -60.5% | 2 | 7 | 1 | 1 | 0 | 0 | 2 | 4 |
| Kentucky | 34 | 43 | -21.5% | 34 | 43 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 5 | 10 | -50.9% | 3 | 9 | 0 | 0 | 0 | 0 | 2 | 1 |
| Tennessee | 69 | 99 | -30.5% | 68 | 97 | 0 | 0 | 0 | 0 | 1 | 2 |
| West South Central | 68 | 80 | -15.9% | 52 | 57 | 14 | 18 | 0 | 0 | 1 | 5 |
| Arkansas | 22 | 29 | -21.8% | 18 | 18 | 5 | 9 | 0 | 0 | 0 | 1 |
| Louisiana | 5 | 6 | -12.0% | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 12 | 12 | -4.2% | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 1 |
| Texas | 28 | 33 | -16.0% | 18 | 22 | 9 | 9 | 0 | 0 | 1 | 2 |
| Mountain | 97 | 128 | -24.2% | 92 | 118 | 5 | 9 | NM | NM | 0 | 0 |
| Arizona | 21 | 39 | -45.0% | 21 | 39 | 0 | 0 | NM | NM | 0 | 0 |
| Colorado | NM | 7 | NM | NM | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -72.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 4 | 9 | -54.8% | NM | NM | 4 | 7 | 0 | 0 | 0 | 0 |
| Nevada | 3 | 8 | -56.6% | 3 | 6 | 1 | 2 | 0 | 0 | 0 | 0 |
| New Mexico | 17 | 21 | -18.3% | 17 | 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 22 | 21 | 4.5% | 21 | 21 | 1 | 1 | 0 | 0 | 0 | 0 |
| Wyoming | 23 | 23 | -1.1% | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 39 | 43 | -9.1% | 23 | 23 | 7 | 8 | 0 | 0 | 9 | 13 |
| California | 27 | 30 | -11.3% | 19 | 20 | 3 | 1 | 0 | 0 | 5 | 8 |
| Oregon | 2 | 2 | -15.7% | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 11 | 12 | -2.5% | 2 | NM | 5 | 6 | 0 | 0 | NM | 5 |
| Pacific Noncontiguous | 4,000 | 4,263 | -6.2% | 3,121 | 3,170 | 730 | 938 | 6 | 7 | 143 | 149 |
| Alaska | 564 | 486 | 16.0% | 533 | 455 | 0 | 0 | 2 | 4 | 29 | 27 |
| Hawaii | 3,436 | 3,776 | -9.0% | 2,588 | 2,714 | 730 | 938 | 4 | 3 | 114 | 122 |
| U.S. Total | 5,504 | 6,724 | -18.1% | 4,117 | 4,657 | 1,116 | 1,741 | 50 | 61 | 220 | 265 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 2 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | NM |
| New Jersey | 2 | 6 | -71.4% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NM |
| East North Central | 201 | 179 | 12.0% | 79 | 125 | 105 | NM | 0 | 0 | 16 | 17 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 85 | 130 | -34.8% | 68 | 113 | 0 | 0 | 0 | 0 | 16 | 17 |
| Ohio | 105 | NM | NM | 0 | 0 | 105 | NM | 0 | 0 | 0 | 0 |
| Wisconsin | 11 | 12 | -13.8% | 11 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 7 | 58 | -87.2% | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 58 |
| Iowa | 7 | 58 | -87.2% | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 58 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 220 | 108 | 103.1% | 197 | 87 | 0 | 0 | 0 | 0 | 22 | NM |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 197 | 87 | 126.1% | 197 | 87 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 22 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 22 | NM |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 407 | 348 | 16.9% | 401 | 338 | 0 | 0 | 0 | 0 | 6 | NM |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 401 | 338 | 18.6% | 401 | 338 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 6 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 6 | NM |
| Mountain | 32 | 41 | -20.7% | 0 | 0 | 32 | 41 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 32 | 41 | -20.7% | 0 | 0 | 32 | 41 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 869 | 746 | 16.4% | 678 | 551 | 138 | NM | 0 | 0 | 53 | 118 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.6.B. Utility Scale Facility Net Generation from Petroleum Coke

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 18 | 83 | -78.0% | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 83 |
| New Jersey | 18 | 39 | -52.7% | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 39 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 45 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| East North Central | 1,220 | 1,176 | 3.8% | 493 | 507 | 639 | 589 | 0 | 0 | 88 | 79 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 530 | 533 | -0.5% | 442 | 456 | 0 | 0 | 0 | 0 | 88 | 77 |
| Ohio | 639 | 591 | 8.2% | 0 | 0 | 639 | 589 | 0 | 0 | 0 | 2 |
| Wisconsin | 51 | 51 | -1.0% | 51 | 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 39 | 67 | -42.0% | 0 | 0 | 0 | 0 | 2 | 4 | 36 | 62 |
| Iowa | 39 | 67 | -42.0% | 0 | 0 | 0 | 0 | 2 | 4 | 36 | 62 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 1,054 | 885 | 19.1% | 940 | 769 | 0 | 0 | 0 | 0 | 114 | 116 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 940 | 769 | 22.2% | 940 | 769 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 114 | 116 | -1.6% | 0 | 0 | 0 | 0 | 0 | 0 | 114 | 116 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 2,210 | 2,228 | -0.8% | 2,162 | 2,162 | 0 | 0 | 0 | 0 | 48 | 66 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 2,162 | 2,168 | -0.3% | 2,162 | 2,162 | 0 | 0 | 0 | 0 | 0 | 6 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 48 | 61 | -20.8% | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 61 |
| Mountain | 258 | 281 | -8.0% | 0 | 0 | 258 | 281 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 258 | 281 | -8.0% | 0 | 0 | 258 | 281 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 4,800 | 4,720 | 1.7% | 3,596 | 3,439 | 897 | 870 | 2 | 4 | 305 | 407 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.7.A. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 6,839 | 6,198 | 10.3% | 107 | 61 | 6,469 | 5,878 | 111 | 108 | 152 | 151 |
| Connecticut | 2,681 | 2,389 | 12.2% | 4 | 3 | 2,573 | 2,287 | 39 | 38 | 65 | 62 |
| Maine | 316 | 227 | 39.4% | 0 | 0 | 259 | 174 | 3 | 3 | 54 | 50 |
| Massachusetts | 2,379 | 2,150 | 10.6% | 93 | 55 | 2,207 | 2,013 | 62 | 60 | 16 | 23 |
| New Hampshire | 622 | 602 | 3.5% | 10 | 3 | 609 | 595 | 1 | 1 | 2 | 3 |
| Rhode Island | 840 | 830 | 1.2% | 0 | 0 | 820 | 811 | 6 | 6 | 15 | 14 |
| Vermont | 0 | 0 | -19.8% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 25,985 | 22,292 | 16.6% | 1,706 | 1,597 | 23,933 | 20,341 | 112 | 114 | 235 | 240 |
| New Jersey | 4,474 | 4,587 | -2.5% | NM | 31 | 4,391 | 4,504 | 12 | 13 | 40 | 39 |
| New York | 7,932 | 6,880 | 15.3% | 1,674 | 1,565 | 6,119 | 5,174 | 88 | 89 | 51 | 52 |
| Pennsylvania | 13,580 | 10,825 | 25.5% | 1 | 1 | 13,422 | 10,662 | 12 | 12 | 144 | 150 |
| East North Central | 19,699 | 17,626 | 11.8% | 7,367 | 6,489 | 11,805 | 10,652 | 152 | 152 | 375 | 333 |
| Illinois | 4,190 | 3,149 | 33.1% | 691 | 453 | 3,385 | 2,588 | 46 | 48 | 68 | 60 |
| Indiana | 3,561 | 3,163 | 12.6% | 1,771 | 1,430 | 1,595 | 1,557 | 19 | 21 | 176 | 155 |
| Michigan | 4,279 | 3,879 | 10.3% | 1,934 | 1,647 | 2,240 | 2,134 | 51 | 52 | 54 | 46 |
| Ohio | 5,480 | 5,090 | 7.7% | 957 | 908 | 4,473 | 4,141 | 27 | 25 | 22 | 16 |
| Wisconsin | 2,188 | 2,346 | -6.7% | 2,013 | 2,051 | 111 | 233 | 8 | 6 | 56 | 56 |
| West North Central | 5,028 | 4,871 | 3.2% | 4,425 | 4,263 | 526 | 522 | 34 | 32 | 43 | 53 |
| Iowa | 1,142 | 1,160 | -1.6% | 1,101 | 1,104 | NM | NM | 11 | 12 | 29 | 43 |
| Kansas | 485 | 493 | -1.5% | 482 | 491 | 0 | 0 | 0 | 0 | NM | NM |
| Minnesota | 1,384 | 1,459 | -5.1% | 1,113 | 1,231 | 254 | 215 | 10 | 7 | 7 | 6 |
| Missouri | 1,310 | 1,047 | 25.1% | 1,024 | 726 | 272 | 307 | 12 | 12 | 2 | 2 |
| Nebraska | 303 | 303 | 0.2% | 303 | 302 | 0 | 0 | 0 | 1 | 0 | 0 |
| North Dakota | 170 | 172 | -1.1% | 169 | 171 | 0 | 0 | 0 | 0 | 1 | 0 |
| South Dakota | 234 | 237 | -1.5% | 234 | 237 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 42,513 | 40,391 | 5.3% | 34,352 | 32,745 | 7,586 | 7,067 | 107 | 106 | 468 | 474 |
| Delaware | 788 | 788 | 0.0% | 10 | 13 | 691 | 681 | 0 | 0 | 87 | 93 |
| District of Columbia | 5 | 0 | -- | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| Florida | 19,204 | 18,192 | 5.6% | 18,238 | 17,205 | 823 | 838 | 2 | 1 | 141 | 149 |
| Georgia | 6,261 | 5,925 | 5.7% | 4,564 | 4,252 | 1,626 | 1,611 | 0 | 0 | 71 | 62 |
| Maryland | 1,777 | 1,736 | 2.3% | 454 | 529 | 1,227 | 1,108 | 92 | 97 | 5 | 3 |
| North Carolina | 4,577 | 4,173 | 9.7% | 3,723 | 3,286 | 830 | 865 | NM | NM | 16 | 14 |
| South Carolina | 2,724 | 2,668 | 2.1% | 2,600 | 2,608 | 106 | 48 | 0 | 0 | 18 | 12 |
| Virginia | 6,789 | 6,638 | 2.3% | 4,727 | 4,816 | 1,990 | 1,747 | 0 | 1 | 73 | 75 |
| West Virginia | 388 | 271 | 43.4% | 36 | 36 | 294 | 169 | 0 | 0 | 58 | 66 |
| East South Central | 15,652 | 14,714 | 6.4% | 11,063 | 10,181 | 4,321 | 4,273 | 22 | 20 | 247 | 240 |
| Alabama | 6,416 | 5,927 | 8.3% | 2,177 | 2,164 | 4,124 | 3,646 | 0 | 0 | 115 | 117 |
| Kentucky | 1,899 | 1,537 | 23.6% | 1,684 | 1,438 | 194 | 81 | 0 | 0 | 21 | 18 |
| Mississippi | 5,524 | 5,507 | 0.3% | 5,483 | 4,926 | 1 | 544 | 0 | 0 | 40 | 37 |
| Tennessee | 1,813 | 1,743 | 4.0% | 1,719 | 1,654 | 2 | 2 | 22 | 20 | 70 | 68 |
| West South Central | 44,331 | 42,683 | 3.9% | 17,181 | 15,820 | 21,368 | 20,690 | 105 | 97 | 5,676 | 6,076 |
| Arkansas | 2,147 | 2,290 | -6.3% | 2,018 | 2,150 | 106 | 113 | NM | NM | 20 | 25 |
| Louisiana | 7,663 | 7,211 | 6.3% | 4,945 | 4,315 | 510 | 600 | 16 | 15 | 2,192 | 2,280 |
| Oklahoma | 5,803 | 5,403 | 7.4% | 3,981 | 3,353 | 1,777 | 2,012 | 0 | 0 | 45 | 38 |
| Texas | 28,718 | 27,778 | 3.4% | 6,237 | 6,002 | 18,974 | 17,965 | 86 | 78 | 3,420 | 3,733 |
| Mountain | 13,570 | 13,061 | 3.9% | 11,100 | 10,654 | 2,297 | 2,254 | 31 | 34 | 142 | 120 |
| Arizona | 5,803 | 5,259 | 10.4% | 4,581 | 3,890 | 1,211 | 1,357 | 12 | 12 | 0 | 0 |
| Colorado | 1,943 | 1,956 | -0.7% | 1,619 | 1,626 | 322 | 329 | 0 | 0 | 2 | 2 |
| Idaho | 458 | 510 | -10.3% | 279 | 305 | 165 | 193 | 3 | 3 | NM | 9 |
| Montana | 51 | 64 | -20.4% | 47 | 51 | NM | 12 | 0 | 0 | NM | NM |
| Nevada | 2,799 | 2,904 | -3.6% | 2,564 | 2,658 | 193 | 191 | 5 | 6 | 37 | 48 |
| New Mexico | 1,357 | 1,233 | 10.0% | 948 | 1,055 | 400 | 166 | 8 | 9 | 0 | 3 |
| Utah | 1,000 | 1,040 | -3.8% | 968 | 1,006 | 3 | 6 | 2 | 4 | 26 | 25 |
| Wyoming | 160 | 95 | 67.7% | 94 | 63 | 0 | 0 | 0 | 0 | 66 | 33 |
| Pacific Contiguous | 11,457 | 12,136 | -5.6% | 4,530 | 5,250 | 5,842 | 5,874 | 135 | 150 | 949 | 862 |
| California | 8,974 | 8,222 | 9.2% | 3,023 | 2,925 | 4,951 | 4,298 | 130 | 145 | 870 | 853 |
| Oregon | 1,444 | 2,152 | -32.9% | 828 | 1,129 | 601 | 1,013 | 4 | 4 | NM | 5 |
| Washington | 1,038 | 1,762 | -41.1% | 679 | 1,196 | 290 | 563 | 1 | 0 | 69 | 3 |
| Pacific Noncontiguous | 333 | 369 | -9.7% | 327 | 363 | 0 | 0 | 0 | 0 | 6 | 6 |
| Alaska | 333 | 369 | -9.7% | 327 | 363 | 0 | 0 | 0 | 0 | 6 | 6 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 185,407 | 174,341 | 6.3% | 92,158 | 87,423 | 84,147 | 77,551 | 809 | 813 | 8,293 | 8,554 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.7.B. Utility Scale Facility Net Generation from Natural Gas

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 29,519 | 28,029 | 5.3% | 167 | 102 | 27,819 | 26,465 | 634 | 613 | 900 | 849 |
| Connecticut | 13,733 | 11,914 | 15.3% | 20 | 20 | 13,091 | 11,313 | 231 | 222 | 391 | 359 |
| Maine | 1,087 | 931 | 16.7% | 0 | 0 | 789 | 676 | 18 | 18 | 280 | 237 |
| Massachusetts | 8,134 | 9,398 | -13.5% | 135 | 78 | 7,520 | 8,830 | 351 | 339 | 128 | 151 |
| New Hampshire | 2,094 | 1,719 | 21.8% | 11 | 4 | 2,062 | 1,691 | 5 | 7 | 16 | 17 |
| Rhode Island | 4,470 | 4,065 | 10.0% | 0 | 0 | 4,357 | 3,954 | 27 | 27 | 86 | 84 |
| Vermont | 1 | 1 | -9.0% | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| Middle Atlantic | 116,975 | 104,335 | 12.1% | 6,100 | 5,902 | 108,830 | 96,320 | 610 | 650 | 1,435 | 1,463 |
| New Jersey | 18,261 | 22,834 | -20.0% | 82 | 83 | 17,868 | 22,442 | 64 | 76 | 247 | 233 |
| New York | 30,588 | 27,559 | 11.0% | 6,016 | 5,816 | 23,740 | 20,904 | 482 | 496 | 351 | 342 |
| Pennsylvania | 68,125 | 53,942 | 26.3% | 2 | 2 | 67,222 | 52,974 | 64 | 78 | 837 | 888 |
| East North Central | 99,662 | 88,503 | 12.6% | 34,951 | 29,367 | 61,422 | 56,041 | 848 | 845 | 2,441 | 2,250 |
| Illinois | 13,880 | 10,549 | 31.6% | 2,091 | 883 | 11,199 | 9,095 | 225 | 219 | 364 | 351 |
| Indiana | 19,646 | 17,687 | 11.1% | 8,616 | 7,259 | 9,807 | 9,282 | 107 | 102 | 1,116 | 1,044 |
| Michigan | 21,901 | 18,913 | 15.8% | 7,540 | 5,903 | 13,639 | 12,300 | 348 | 361 | 373 | 350 |
| Ohio | 30,937 | 29,619 | 4.4% | 4,609 | 4,751 | 26,062 | 24,610 | 122 | 127 | 145 | 131 |
| Wisconsin | 13,299 | 11,734 | 13.3% | 12,095 | 10,571 | 715 | 754 | 46 | 35 | 442 | 374 |
| West North Central | 19,034 | 18,036 | 5.5% | 16,003 | 15,354 | 2,373 | 2,058 | 196 | 200 | 462 | 425 |
| Iowa | 4,520 | 4,400 | 2.7% | 4,193 | 4,054 | NM | NM | 60 | 62 | 267 | 280 |
| Kansas | 1,735 | 1,872 | -7.3% | 1,644 | 1,820 | 0 | 0 | 0 | 0 | 90 | 52 |
| Minnesota | 5,780 | 5,708 | 1.2% | 4,835 | 4,984 | 813 | 593 | 60 | 60 | 71 | 70 |
| Missouri | 4,535 | 4,207 | 7.8% | 2,878 | 2,656 | 1,560 | 1,460 | 74 | 74 | 23 | 17 |
| Nebraska | 807 | 588 | 37.4% | 805 | 585 | 0 | 0 | 2 | 3 | 0 | 0 |
| North Dakota | 786 | 630 | 24.7% | 776 | 625 | 0 | 0 | 0 | 0 | 10 | 5 |
| South Dakota | 871 | 631 | 37.9% | 871 | 631 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 234,194 | 219,461 | 6.7% | 192,894 | 181,579 | 37,512 | 34,230 | 652 | 696 | 3,136 | 2,956 |
| Delaware | 2,868 | 2,776 | 3.3% | 11 | 17 | 2,213 | 2,121 | 0 | 0 | 643 | 638 |
| District of Columbia | 21 | 14 | 49.1% | 0 | 0 | 0 | 0 | 21 | 14 | 0 | 0 |
| Florida | 109,460 | 103,074 | 6.2% | 104,040 | 98,320 | 4,457 | 3,813 | 14 | 11 | 949 | 930 |
| Georgia | 33,870 | 31,948 | 6.0% | 25,339 | 24,006 | 8,103 | 7,571 | 0 | 0 | 429 | 371 |
| Maryland | 8,552 | 9,102 | -6.0% | 1,944 | 2,636 | 6,031 | 5,810 | 549 | 612 | 28 | 44 |
| North Carolina | 24,737 | 23,907 | 3.5% | 19,855 | 18,949 | 4,718 | 4,818 | 60 | 50 | 104 | 90 |
| South Carolina | 14,755 | 13,654 | 8.1% | 14,318 | 13,208 | 326 | 375 | 0 | 0 | 111 | 71 |
| Virginia | 38,479 | 34,080 | 12.9% | 27,333 | 24,336 | 10,633 | 9,279 | 8 | 8 | 506 | 457 |
| West Virginia | 1,452 | 906 | 60.3% | 54 | 108 | 1,031 | 443 | 0 | 0 | 367 | 355 |
| East South Central | 80,599 | 77,109 | 4.5% | 57,704 | 52,121 | 21,101 | 23,248 | 134 | 121 | 1,661 | 1,618 |
| Alabama | 31,605 | 32,328 | -2.2% | 10,718 | 11,607 | 20,119 | 19,957 | 0 | 0 | 768 | 764 |
| Kentucky | 8,359 | 8,055 | 3.8% | 7,859 | 7,705 | 366 | 215 | 0 | 0 | 135 | 135 |
| Mississippi | 31,550 | 27,264 | 15.7% | 30,672 | 23,937 | 606 | 3,065 | 0 | 0 | 273 | 261 |
| Tennessee | 9,084 | 9,462 | -4.0% | 8,456 | 8,872 | 10 | 11 | 134 | 121 | 485 | 457 |
| West South Central | 224,212 | 215,687 | 4.0% | 80,871 | 73,965 | 103,538 | 101,648 | 538 | 560 | 39,265 | 39,514 |
| Arkansas | 9,645 | 11,254 | -14.3% | 8,741 | 10,295 | 747 | 749 | NM | NM | 135 | 189 |
| Louisiana | 42,774 | 40,953 | 4.4% | 25,600 | 22,652 | 2,202 | 2,732 | 109 | 89 | 14,863 | 15,480 |
| Oklahoma | 27,680 | 24,050 | 15.1% | 17,889 | 14,991 | 9,500 | 8,833 | 0 | 0 | 291 | 226 |
| Texas | 144,113 | 139,430 | 3.4% | 28,641 | 26,027 | 91,088 | 89,334 | 408 | 450 | 23,975 | 23,619 |
| Mountain | 68,762 | 62,327 | 10.3% | 55,139 | 50,147 | 12,482 | 11,106 | 227 | 242 | 913 | 832 |
| Arizona | 27,613 | 24,071 | 14.7% | 21,211 | 18,035 | 6,324 | 5,957 | 78 | 80 | 0 | 0 |
| Colorado | 10,889 | 9,689 | 12.4% | 9,320 | 8,286 | 1,550 | 1,390 | 5 | 1 | 14 | 12 |
| Idaho | 2,192 | 1,709 | 28.3% | 1,067 | 947 | 1,026 | 671 | 23 | 22 | 77 | 69 |
| Montana | 223 | 282 | -20.8% | 198 | 196 | 23 | 84 | 0 | 0 | NM | 2 |
| Nevada | 14,915 | 14,002 | 6.5% | 13,463 | 12,555 | 1,248 | 1,234 | 34 | 38 | 170 | 175 |
| New Mexico | 7,139 | 6,456 | 10.6% | 4,803 | 4,667 | 2,271 | 1,727 | 54 | 58 | 10 | 4 |
| Utah | 5,017 | 5,564 | -9.8% | 4,764 | 5,258 | 38 | 42 | 33 | 43 | 181 | 221 |
| Wyoming | 774 | 553 | 40.2% | 314 | 203 | 1 | 1 | 0 | 0 | 459 | 349 |
| Pacific Contiguous | 60,899 | 58,705 | 3.7% | 24,507 | 22,956 | 29,296 | 28,714 | 922 | 992 | 6,173 | 6,043 |
| California | 44,078 | 41,670 | 5.8% | 14,390 | 13,732 | 23,005 | 21,028 | 886 | 959 | 5,797 | 5,951 |
| Oregon | 10,001 | 10,632 | -5.9% | 5,261 | 5,177 | 4,638 | 5,385 | 27 | 26 | 75 | 44 |
| Washington | 6,819 | 6,403 | 6.5% | 4,857 | 4,047 | 1,653 | 2,301 | 8 | 7 | 302 | 48 |
| Pacific Noncontiguous | 1,746 | 1,643 | 6.3% | 1,708 | 1,601 | 0 | 0 | 0 | 0 | 38 | 42 |
| Alaska | 1,746 | 1,643 | 6.3% | 1,708 | 1,601 | 0 | 0 | 0 | 0 | 38 | 42 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 935,600 | 873,834 | 7.1% | 470,044 | 433,095 | 404,373 | 379,829 | 4,760 | 4,919 | 56,424 | 55,990 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.7.C. Utility Scale Facility Net Generation from Natural Gas by Technology: Total (All Sectors), 2010-July 2020 (Thousand Megawatthours)

| | Natural Gas | | | | | |
|---|---|---|---|---|---|---|
| Period | Natural Gas Fired Combined Cycle | Natural Gas Fired Combustion Turbine | Steam Turbine | Internal Combustion Engine | Natural Gas Other | Total |
| Annual Factors | | | | | | |
| 2010 | 804,033 | 85,820 | 96,332 | 1,490 | 22 | 987,697 |
| 2011 | 828,554 | 85,392 | 97,578 | 2,125 | 40 | 1,013,689 |
| 2012 | 1,017,040 | 98,446 | 108,285 | 1,986 | 138 | 1,225,894 |
| 2013 | 947,172 | 91,272 | 83,746 | 2,328 | 317 | 1,124,836 |
| 2014 | 958,921 | 90,159 | 74,100 | 2,921 | 508 | 1,126,609 |
| 2015 | 1,130,617 | 108,655 | 89,796 | 3,760 | 654 | 1,333,482 |
| 2016 | 1,152,245 | 123,429 | 98,204 | 3,714 | 715 | 1,378,307 |
| 2017 | 1,094,952 | 111,732 | 84,520 | 4,370 | 869 | 1,296,442 |
| 2018 | 1,231,946 | 132,866 | 98,017 | 5,203 | 1,101 | 1,469,133 |
| 2019 | 1,330,364 | 135,654 | 109,602 | 6,043 | 152 | 1,581,815 |
| Year 2018 | | | | | | |
| January | 93,426 | 10,362 | 6,045 | 382 | 77 | 110,293 |
| February | 86,046 | 8,021 | 4,015 | 352 | 77 | 98,512 |
| March | 90,850 | 9,834 | 5,356 | 395 | 88 | 106,524 |
| April | 82,423 | 9,766 | 5,761 | 348 | 73 | 98,371 |
| May | 94,192 | 10,839 | 9,763 | 421 | 68 | 115,284 |
| June | 108,641 | 11,513 | 10,170 | 424 | 79 | 130,826 |
| July | 133,649 | 15,618 | 14,735 | 630 | 116 | 164,749 |
| August | 133,733 | 14,426 | 12,809 | 587 | 122 | 161,676 |
| Sept | 118,249 | 12,775 | 10,195 | 465 | 102 | 141,786 |
| October | 102,793 | 11,156 | 8,654 | 428 | 111 | 123,142 |
| November | 91,899 | 9,822 | 5,963 | 389 | 94 | 108,168 |
| December | 96,044 | 8,733 | 4,551 | 381 | 92 | 109,802 |
| Year 2019 | | | | | | |
| January | 105,687 | 7,722 | 5,542 | 346 | 10 | 119,307 |
| February | 97,877 | 7,398 | 5,327 | 394 | 9 | 111,005 |
| March | 98,275 | 7,716 | 6,558 | 387 | 10 | 112,945 |
| April | 86,329 | 9,029 | 7,278 | 358 | 12 | 103,006 |
| May | 96,563 | 10,004 | 9,267 | 389 | 13 | 116,236 |
| June | 115,478 | 10,748 | 10,300 | 455 | 13 | 136,994 |
| July | 139,491 | 18,801 | 15,231 | 802 | 16 | 174,341 |
| August | 141,757 | 18,269 | 15,578 | 835 | 19 | 176,458 |
| Sept | 123,665 | 13,981 | 12,455 | 636 | 16 | 150,753 |
| October | 109,426 | 13,292 | 10,391 | 543 | 15 | 133,667 |
| November | 101,265 | 10,088 | 5,910 | 489 | 9 | 117,762 |
| December | 114,550 | 8,609 | 5,764 | 410 | 9 | 129,342 |
| Year 2020 | | | | | | |
| January | 117,472 | 8,641 | 6,449 | 409 | 9 | 132,980 |
| February | 110,696 | 8,581 | 6,335 | 404 | 8 | 126,024 |
| March | 106,077 | 9,495 | 7,481 | 507 | 10 | 123,569 |
| April | 93,433 | 7,623 | 6,670 | 401 | 10 | 108,138 |
| May | 98,720 | 9,178 | 7,892 | 436 | 9 | 116,236 |
| June | 118,512 | 13,018 | 11,145 | 560 | 13 | 143,247 |
| July | 145,127 | 21,968 | 17,470 | 826 | 16 | 185,407 |

Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
The 'Natural Gas Other' category consists of power plants with prime movers of Fuel Cells and Other Prime Movers that consume natural gas.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 1.8.A. Utility Scale Facility Net Generation from Other Gases by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | NM | 72 | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | 72 |
| New Jersey | 16 | 19 | -16.0% | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 19 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | NM | 53 | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | 53 |
| East North Central | 159 | 492 | -67.6% | 6 | 18 | NM | 215 | 0 | 0 | 131 | 259 |
| Illinois | 22 | 24 | -5.7% | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 24 |
| Indiana | 97 | 224 | -56.8% | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 224 |
| Michigan | 17 | 174 | -90.0% | 6 | 18 | 11 | 156 | 0 | 0 | 0 | 0 |
| Ohio | NM | 70 | NM | 0 | 0 | NM | 60 | 0 | 0 | 12 | 10 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 3 | 5 | -37.1% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 3 | 5 | -37.1% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 25 | 35 | -29.1% | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 35 |
| Delaware | 22 | 31 | -27.1% | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 31 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -15.7% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 2 | 4 | -43.4% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| East South Central | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Alabama | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 1 | 1 | -28.6% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| West South Central | 443 | 479 | -7.6% | 0 | 0 | 121 | 139 | 0 | 0 | 322 | 340 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 229 | 230 | -0.4% | 0 | 0 | 0 | 0 | 0 | 0 | 229 | 230 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 214 | 249 | -14.2% | 0 | 0 | 121 | 139 | 0 | 0 | 93 | 110 |
| Mountain | 34 | 5 | 588.7% | 0 | 0 | 1 | 1 | 0 | 0 | 33 | NM |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 1 | 1 | -23.9% | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 2 | 2 | -21.7% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Wyoming | 31 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 31 | NM |
| Pacific Contiguous | 183 | 200 | -8.6% | 0 | 0 | 0 | 34 | 0 | 0 | 183 | 166 |
| California | 155 | 166 | -6.7% | 0 | 0 | 0 | 0 | 0 | 0 | 155 | 166 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 28 | 34 | -18.0% | 0 | 0 | 0 | 34 | 0 | 0 | 28 | 0 |
| Pacific Noncontiguous | 0 | 0 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 878 | 1,290 | -32.0% | 6 | 18 | 144 | 390 | 0 | 0 | 728 | 882 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.8.B. Utility Scale Facility Net Generation from Other Gases

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 389 | 441 | -11.9% | 0 | 0 | 26 | 0 | 0 | 0 | 363 | 441 |
| New Jersey | 118 | 122 | -3.5% | 0 | 0 | 0 | 0 | 0 | 0 | 118 | 122 |
| New York | 0 | 2 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Pennsylvania | 271 | 317 | -14.7% | 0 | 0 | 26 | 0 | 0 | 0 | 245 | 317 |
| East North Central | 2,066 | 3,002 | -31.2% | 47 | 106 | 631 | 1,298 | 0 | 0 | 1,388 | 1,598 |
| Illinois | 174 | 143 | 22.1% | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 143 |
| Indiana | 1,135 | 1,359 | -16.5% | 0 | 0 | 0 | 0 | 0 | 0 | 1,135 | 1,359 |
| Michigan | 412 | 1,052 | -60.8% | 47 | 106 | 365 | 946 | 0 | 0 | 0 | 0 |
| Ohio | 344 | 448 | -23.3% | 0 | 0 | 266 | 352 | 0 | 0 | 78 | 96 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 23 | 29 | -22.9% | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 29 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 23 | 29 | -22.9% | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 29 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 124 | 134 | -7.3% | 0 | 0 | 0 | 0 | 0 | 0 | 124 | 134 |
| Delaware | 98 | 109 | -9.9% | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 109 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -33.2% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 26 | 25 | 4.2% | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 25 |
| East South Central | 10 | 10 | 4.2% | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| Alabama | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 7 | 7 | -3.9% | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| West South Central | 2,983 | 3,128 | -4.6% | 0 | 0 | 889 | 999 | 0 | 0 | 2,094 | 2,129 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 1,477 | 1,479 | -0.1% | 0 | 0 | 0 | 0 | 0 | 0 | 1,477 | 1,479 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 1,507 | 1,650 | -8.7% | 0 | 0 | 889 | 999 | 0 | 0 | 618 | 651 |
| Mountain | 236 | 158 | 49.2% | 0 | 0 | 7 | 5 | 0 | 0 | 229 | 153 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 7 | 5 | 45.7% | 0 | 0 | 7 | 5 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 3 | 9 | -71.7% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| Wyoming | 226 | 144 | 57.0% | 0 | 0 | 0 | 0 | 0 | 0 | 226 | 144 |
| Pacific Contiguous | 1,092 | 1,057 | 3.3% | 0 | 0 | 87 | 163 | 0 | 0 | 1,006 | 894 |
| California | 910 | 894 | 1.7% | 0 | 0 | 0 | 0 | 0 | 0 | 910 | 894 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 183 | 163 | 12.1% | 0 | 0 | 87 | 163 | 0 | 0 | 96 | 0 |
| Pacific Noncontiguous | 3 | 4 | -20.5% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 3 | 4 | -20.5% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| U.S. Total | 6,927 | 7,963 | -13.0% | 47 | 106 | 1,640 | 2,465 | 0 | 0 | 5,239 | 5,392 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 2,472 | 2,465 | 0.3% | 0 | 0 | 2,472 | 2,465 | 0 | 0 | 0 | 0 |
| Connecticut | 1,544 | 1,538 | 0.4% | 0 | 0 | 1,544 | 1,538 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 927 | 927 | 0.0% | 0 | 0 | 927 | 927 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 12,341 | 13,817 | -10.7% | 0 | 0 | 12,341 | 13,817 | 0 | 0 | 0 | 0 |
| New Jersey | 2,560 | 2,513 | 1.9% | 0 | 0 | 2,560 | 2,513 | 0 | 0 | 0 | 0 |
| New York | 3,164 | 3,922 | -19.3% | 0 | 0 | 3,164 | 3,922 | 0 | 0 | 0 | 0 |
| Pennsylvania | 6,617 | 7,382 | -10.4% | 0 | 0 | 6,617 | 7,382 | 0 | 0 | 0 | 0 |
| East North Central | 13,218 | 13,773 | -4.0% | 1,603 | 2,325 | 11,615 | 11,448 | 0 | 0 | 0 | 0 |
| Illinois | 8,586 | 8,594 | -0.1% | 0 | 0 | 8,586 | 8,594 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 2,187 | 2,831 | -22.8% | 1,603 | 2,325 | 584 | 506 | 0 | 0 | 0 | 0 |
| Ohio | 1,558 | 1,452 | 7.3% | 0 | 0 | 1,558 | 1,452 | 0 | 0 | 0 | 0 |
| Wisconsin | 887 | 896 | -1.0% | 0 | 0 | 887 | 896 | 0 | 0 | 0 | 0 |
| West North Central | 3,938 | 4,061 | -3.0% | 3,580 | 3,620 | 359 | 441 | 0 | 0 | 0 | 0 |
| Iowa | 359 | 441 | -18.7% | 0 | 0 | 359 | 441 | 0 | 0 | 0 | 0 |
| Kansas | 890 | 890 | -0.1% | 890 | 890 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 1,232 | 1,263 | -2.4% | 1,232 | 1,263 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 888 | 889 | -0.1% | 888 | 889 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 570 | 577 | -1.3% | 570 | 577 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 18,164 | 18,342 | -1.0% | 16,865 | 17,041 | 1,299 | 1,300 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 2,418 | 2,741 | -11.8% | 2,418 | 2,741 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 3,028 | 2,886 | 4.9% | 3,028 | 2,886 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 1,299 | 1,300 | -0.1% | 0 | 0 | 1,299 | 1,300 | 0 | 0 | 0 | 0 |
| North Carolina | 3,845 | 3,842 | 0.1% | 3,845 | 3,842 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 4,932 | 4,922 | 0.2% | 4,932 | 4,922 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 2,642 | 2,650 | -0.3% | 2,642 | 2,650 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 7,661 | 8,330 | -8.0% | 7,661 | 8,330 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 3,414 | 3,926 | -13.1% | 3,414 | 3,926 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 936 | 1,044 | -10.4% | 936 | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 3,311 | 3,359 | -1.4% | 3,311 | 3,359 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 6,618 | 5,949 | 11.2% | 2,902 | 2,246 | 3,716 | 3,704 | 0 | 0 | 0 | 0 |
| Arkansas | 1,358 | 660 | 105.7% | 1,358 | 660 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 1,544 | 1,586 | -2.6% | 1,544 | 1,586 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 3,716 | 3,704 | 0.3% | 0 | 0 | 3,716 | 3,704 | 0 | 0 | 0 | 0 |
| Mountain | 2,929 | 2,936 | -0.2% | 2,929 | 2,936 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 2,929 | 2,936 | -0.2% | 2,929 | 2,936 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 2,045 | 2,525 | -19.0% | 2,045 | 2,525 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 1,279 | 1,687 | -24.2% | 1,279 | 1,687 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 766 | 838 | -8.6% | 766 | 838 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 69,385 | 72,199 | -3.9% | 37,583 | 39,023 | 31,802 | 33,176 | 0 | 0 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.9.B. Utility Scale Facility Net Generation from Nuclear Energy

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 14,719 | 17,868 | -17.6% | 0 | 0 | 14,719 | 17,868 | 0 | 0 | 0 | 0 |
| Connecticut | 9,433 | 9,345 | 0.9% | 0 | 0 | 9,433 | 9,345 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 2,177 | -100.0% | 0 | 0 | 0 | 2,177 | 0 | 0 | 0 | 0 |
| New Hampshire | 5,286 | 6,346 | -16.7% | 0 | 0 | 5,286 | 6,346 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 83,086 | 90,249 | -7.9% | 0 | 0 | 83,086 | 90,249 | 0 | 0 | 0 | 0 |
| New Jersey | 16,056 | 15,415 | 4.2% | 0 | 0 | 16,056 | 15,415 | 0 | 0 | 0 | 0 |
| New York | 23,067 | 25,194 | -8.4% | 0 | 0 | 23,067 | 25,194 | 0 | 0 | 0 | 0 |
| Pennsylvania | 43,962 | 49,640 | -11.4% | 0 | 0 | 43,962 | 49,640 | 0 | 0 | 0 | 0 |
| East North Central | 91,386 | 92,320 | -1.0% | 13,258 | 15,226 | 78,128 | 77,093 | 0 | 0 | 0 | 0 |
| Illinois | 57,941 | 58,181 | -0.4% | 0 | 0 | 57,941 | 58,181 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 17,379 | 19,149 | -9.2% | 13,258 | 15,226 | 4,121 | 3,923 | 0 | 0 | 0 | 0 |
| Ohio | 10,277 | 9,352 | 9.9% | 0 | 0 | 10,277 | 9,352 | 0 | 0 | 0 | 0 |
| Wisconsin | 5,788 | 5,638 | 2.7% | 0 | 0 | 5,788 | 5,638 | 0 | 0 | 0 | 0 |
| West North Central | 27,895 | 26,053 | 7.1% | 25,100 | 23,039 | 2,795 | 3,014 | 0 | 0 | 0 | 0 |
| Iowa | 2,795 | 3,014 | -7.3% | 0 | 0 | 2,795 | 3,014 | 0 | 0 | 0 | 0 |
| Kansas | 6,162 | 6,196 | -0.6% | 6,162 | 6,196 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 8,796 | 8,109 | 8.5% | 8,796 | 8,109 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 6,102 | 4,705 | 29.7% | 6,102 | 4,705 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 4,040 | 4,030 | 0.3% | 4,040 | 4,030 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 118,967 | 119,581 | -0.5% | 110,404 | 111,081 | 8,564 | 8,501 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 17,261 | 16,786 | 2.8% | 17,261 | 16,786 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 18,758 | 18,779 | -0.1% | 18,758 | 18,779 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 8,564 | 8,501 | 0.7% | 0 | 0 | 8,564 | 8,501 | 0 | 0 | 0 | 0 |
| North Carolina | 24,909 | 23,902 | 4.2% | 24,909 | 23,902 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 31,847 | 34,075 | -6.5% | 31,847 | 34,075 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 17,628 | 17,539 | 0.5% | 17,628 | 17,539 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 49,998 | 53,915 | -7.3% | 49,998 | 53,915 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 25,574 | 25,127 | 1.8% | 25,574 | 25,127 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 3,481 | 6,606 | -47.3% | 3,481 | 6,606 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 20,943 | 22,183 | -5.6% | 20,943 | 22,183 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 43,156 | 38,088 | 13.3% | 19,321 | 14,220 | 23,834 | 23,868 | 0 | 0 | 0 | 0 |
| Arkansas | 8,427 | 7,788 | 8.2% | 8,427 | 7,788 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 10,894 | 6,432 | 69.4% | 10,894 | 6,432 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 23,834 | 23,868 | -0.1% | 0 | 0 | 23,834 | 23,868 | 0 | 0 | 0 | 0 |
| Mountain | 18,813 | 19,128 | -1.6% | 18,813 | 19,128 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 18,813 | 19,128 | -1.6% | 18,813 | 19,128 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 16,231 | 15,000 | 8.2% | 16,231 | 15,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 10,982 | 10,366 | 5.9% | 10,982 | 10,366 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 5,250 | 4,634 | 13.3% | 5,250 | 4,634 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 464,250 | 472,203 | -1.7% | 253,124 | 251,610 | 211,126 | 220,593 | 0 | 0 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 533 | 642 | -17.1% | 74 | 90 | 450 | 542 | 0 | 0 | NM | NM |
| Connecticut | 39 | 44 | -11.7% | NM | NM | 38 | 43 | 0 | 0 | 0 | 0 |
| Maine | 246 | 274 | -10.1% | NM | 0 | 237 | 264 | 0 | 0 | NM | NM |
| Massachusetts | 82 | 96 | -14.8% | NM | 24 | 63 | 71 | 0 | 0 | 0 | 0 |
| New Hampshire | 78 | 121 | -35.5% | NM | 31 | NM | 91 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -15.8% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 88 | 108 | -18.5% | NM | 35 | 63 | 73 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 2,870 | 2,988 | -3.9% | 2,233 | 2,252 | 634 | 730 | 0 | 0 | NM | 5 |
| New Jersey | 1 | 2 | -65.7% | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| New York | 2,556 | 2,632 | -2.9% | 2,231 | 2,247 | 322 | 380 | 0 | 0 | NM | 5 |
| Pennsylvania | 313 | 354 | -11.6% | 2 | 6 | 311 | 348 | 0 | 0 | 0 | 0 |
| East North Central | 423 | 309 | 37.1% | 381 | 273 | 30 | 26 | 0 | 0 | 12 | NM |
| Illinois | 13 | 12 | 6.5% | NM | NM | NM | 8 | 0 | 0 | 0 | 0 |
| Indiana | NM | 20 | NM | NM | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 151 | 99 | 53.2% | 141 | 90 | NM | NM | 0 | 0 | NM | NM |
| Ohio | NM | 25 | NM | NM | 22 | 0 | 3 | 0 | 0 | 0 | 0 |
| Wisconsin | 233 | 152 | 53.3% | 209 | 136 | NM | NM | 0 | 0 | 11 | NM |
| West North Central | 1,373 | 930 | 47.7% | 1,340 | 906 | 28 | NM | 0 | 0 | 5 | 9 |
| Iowa | 92 | 54 | 71.8% | 92 | 53 | 1 | 1 | 0 | 0 | 0 | 0 |
| Kansas | 4 | 0 | NM | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 100 | 68 | 47.3% | 72 | 44 | 24 | NM | 0 | 0 | 5 | 9 |
| Missouri | NM | 83 | NM | NM | 83 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 136 | 89 | 53.6% | 136 | 89 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 341 | 206 | 65.3% | 341 | 206 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 665 | 430 | 54.8% | 665 | 430 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 1,203 | 1,608 | -25.2% | 1,041 | 1,365 | 101 | 183 | 1 | 2 | 59 | 58 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | NM | 20 | NM | NM | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 230 | 335 | -31.3% | 227 | 333 | NM | NM | 0 | 0 | NM | 1 |
| Maryland | 50 | 126 | -60.0% | 0 | 0 | 50 | 126 | 0 | 0 | 0 | 0 |
| North Carolina | 461 | 535 | -13.8% | 456 | 528 | NM | NM | 1 | 1 | NM | NM |
| South Carolina | 171 | 279 | -38.9% | 166 | 274 | NM | NM | 0 | 0 | 0 | 0 |
| Virginia | 133 | 160 | -16.8% | 127 | 156 | NM | NM | 0 | 0 | 0 | 0 |
| West Virginia | 142 | 154 | -8.1% | 49 | 55 | 36 | 43 | 0 | 0 | 56 | 57 |
| East South Central | 1,866 | 2,191 | -14.8% | 1,865 | 2,190 | NM | NM | 0 | 0 | 0 | 0 |
| Alabama | 704 | 917 | -23.2% | 704 | 917 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 394 | 400 | -1.4% | 393 | 399 | NM | NM | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 768 | 875 | -12.2% | 768 | 875 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 421 | 674 | -37.5% | 319 | 569 | 102 | 105 | 0 | 0 | 0 | 0 |
| Arkansas | 168 | 284 | -40.9% | 162 | 279 | NM | NM | 0 | 0 | 0 | 0 |
| Louisiana | 94 | 96 | -1.9% | 0 | 0 | 94 | 96 | 0 | 0 | 0 | 0 |
| Oklahoma | 115 | 183 | -37.0% | 115 | 183 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | NM | 110 | NM | NM | 107 | 2 | 3 | 0 | 0 | 0 | 0 |
| Mountain | 3,378 | 2,554 | 32.3% | 3,248 | 2,460 | 127 | 92 | 3 | 2 | 0 | 0 |
| Arizona | 605 | 632 | -4.2% | 605 | 632 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 174 | 145 | 20.3% | 148 | 123 | 23 | NM | 3 | 2 | 0 | 0 |
| Idaho | 1,076 | 701 | 53.5% | 994 | 646 | 82 | 56 | 0 | 0 | 0 | 0 |
| Montana | 1,115 | 720 | 54.9% | 1,102 | 711 | NM | NM | 0 | 0 | 0 | 0 |
| Nevada | 209 | 216 | -3.2% | 202 | 210 | NM | NM | 0 | 0 | 0 | 0 |
| New Mexico | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 89 | 61 | 46.4% | 89 | 61 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 95 | 67 | 42.1% | 93 | 65 | 2 | 2 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 13,728 | 11,718 | 17.2% | 13,511 | 11,431 | 216 | 286 | NM | NM | 0 | 0 |
| California | 2,695 | 4,471 | -39.7% | 2,543 | 4,227 | 152 | 243 | NM | NM | 0 | 0 |
| Oregon | 2,982 | 1,854 | 60.8% | 2,959 | 1,838 | 24 | NM | 0 | 0 | 0 | 0 |
| Washington | 8,050 | 5,392 | 49.3% | 8,010 | 5,365 | 41 | NM | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 166 | 117 | 41.6% | 145 | 100 | 1 | 2 | NM | NM | NM | NM |
| Alaska | 162 | 110 | 47.2% | 144 | 99 | 0 | 0 | NM | NM | 0 | 0 |
| Hawaii | NM | NM | NM | 0 | 1 | 1 | 2 | 0 | 0 | NM | NM |
| U.S. Total | 25,960 | 23,730 | 9.4% | 24,157 | 21,637 | 1,690 | 1,983 | 23 | NM | 90 | 94 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.10.B. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 4,710 | 4,641 | 1.5% | 682 | 677 | 3,955 | 3,891 | 3 | 4 | 70 | 69 |
| Connecticut | 330 | 333 | -0.8% | 20 | 28 | 310 | 305 | 0 | 0 | 0 | 0 |
| Maine | 2,020 | 1,967 | 2.7% | NM | 0 | 1,949 | 1,898 | 0 | 0 | 70 | 69 |
| Massachusetts | 698 | 686 | 1.6% | 169 | 171 | 526 | 512 | 3 | 4 | 0 | 0 |
| New Hampshire | 865 | 869 | -0.4% | 231 | 218 | 634 | 651 | 0 | 0 | 0 | 0 |
| Rhode Island | 3 | 2 | 8.1% | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 |
| Vermont | 794 | 783 | 1.4% | 260 | 261 | 534 | 523 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 20,830 | 19,930 | 4.5% | 15,439 | 14,659 | 5,347 | 5,226 | 5 | 5 | 39 | 40 |
| New Jersey | 12 | 24 | -50.5% | 0 | 0 | 12 | 24 | 0 | 0 | 0 | 0 |
| New York | 18,194 | 17,341 | 4.9% | 15,372 | 14,580 | 2,778 | 2,717 | 5 | 5 | 39 | 40 |
| Pennsylvania | 2,624 | 2,565 | 2.3% | 67 | 79 | 2,557 | 2,486 | 0 | 0 | 0 | 0 |
| East North Central | 2,779 | 2,488 | 11.7% | 2,480 | 2,213 | 219 | 203 | 0 | 1 | 80 | 71 |
| Illinois | 93 | 75 | 23.1% | 35 | 25 | 57 | 49 | 0 | 1 | 0 | 0 |
| Indiana | 143 | 145 | -1.3% | 143 | 145 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 930 | 824 | 12.9% | 864 | 756 | 60 | 63 | 0 | 0 | NM | NM |
| Ohio | 172 | 182 | -5.5% | 152 | 160 | 20 | 22 | 0 | 0 | 0 | 0 |
| Wisconsin | 1,440 | 1,261 | 14.2% | 1,285 | 1,126 | 82 | 69 | 0 | 0 | 74 | 66 |
| West North Central | 8,814 | 7,762 | 13.6% | 8,596 | 7,563 | 171 | 141 | 0 | 0 | 46 | 58 |
| Iowa | 565 | 469 | 20.5% | 560 | 464 | 5 | 5 | 0 | 0 | 0 | 0 |
| Kansas | 22 | 11 | 103.4% | 0 | 0 | 22 | 11 | 0 | 0 | 0 | 0 |
| Minnesota | 630 | 560 | 12.5% | 439 | 377 | 144 | 125 | 0 | 0 | 46 | 58 |
| Missouri | 578 | 622 | -7.0% | 578 | 622 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 842 | 741 | 13.6% | 842 | 741 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 2,086 | 1,769 | 17.9% | 2,086 | 1,769 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 4,091 | 3,590 | 13.9% | 4,091 | 3,590 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 12,530 | 12,618 | -0.7% | 10,246 | 10,030 | 1,836 | 2,159 | 11 | 12 | 438 | 415 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 132 | 141 | -6.4% | 132 | 141 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 2,499 | 2,432 | 2.8% | 2,475 | 2,414 | NM | NM | 0 | 0 | 11 | 6 |
| Maryland | 1,389 | 1,717 | -19.1% | 0 | 0 | 1,389 | 1,717 | 0 | 0 | 0 | 0 |
| North Carolina | 4,257 | 4,110 | 3.6% | 4,209 | 4,058 | 34 | 37 | 8 | 11 | NM | NM |
| South Carolina | 1,995 | 2,014 | -0.9% | 1,946 | 1,964 | 47 | 48 | 2 | 2 | 0 | 0 |
| Virginia | 1,121 | 1,102 | 1.8% | 1,081 | 1,063 | 40 | 39 | 0 | 0 | 0 | 0 |
| West Virginia | 1,138 | 1,102 | 3.2% | 403 | 391 | 313 | 306 | 0 | 0 | 421 | 404 |
| East South Central | 16,423 | 15,964 | 2.9% | 16,417 | 15,958 | NM | NM | 0 | 0 | 0 | 0 |
| Alabama | 7,466 | 7,297 | 2.3% | 7,466 | 7,297 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 2,542 | 2,413 | 5.3% | 2,536 | 2,407 | NM | NM | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 6,415 | 6,253 | 2.6% | 6,415 | 6,253 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 4,770 | 4,811 | -0.8% | 4,004 | 4,067 | 766 | 743 | NM | NM | 0 | 0 |
| Arkansas | 1,990 | 2,013 | -1.1% | 1,956 | 1,982 | 33 | 31 | 0 | 0 | 0 | 0 |
| Louisiana | 714 | 687 | 4.0% | 0 | 0 | 714 | 687 | 0 | 0 | 0 | 0 |
| Oklahoma | 1,306 | 1,314 | -0.6% | 1,306 | 1,314 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 761 | 798 | -4.7% | 742 | 771 | 18 | 26 | NM | NM | 0 | 0 |
| Mountain | 20,780 | 19,209 | 8.2% | 20,001 | 18,502 | 772 | 700 | 8 | 7 | 0 | 0 |
| Arizona | 3,824 | 3,650 | 4.8% | 3,824 | 3,650 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 1,064 | 1,052 | 1.1% | 924 | 918 | 132 | 127 | 8 | 7 | 0 | 0 |
| Idaho | 6,612 | 5,831 | 13.4% | 6,107 | 5,376 | 505 | 455 | 0 | 0 | 0 | 0 |
| Montana | 6,850 | 6,012 | 13.9% | 6,769 | 5,940 | 81 | 72 | 0 | 0 | 0 | 0 |
| Nevada | 1,209 | 1,538 | -21.4% | 1,168 | 1,506 | 41 | 32 | 0 | 0 | 0 | 0 |
| New Mexico | 86 | 89 | -3.9% | 86 | 89 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 556 | 505 | 10.2% | 549 | 496 | 7 | 9 | 0 | 0 | 0 | 0 |
| Wyoming | 581 | 532 | 9.2% | 575 | 526 | 6 | 6 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 83,777 | 88,961 | -5.8% | 82,594 | 87,111 | 1,177 | 1,838 | NM | NM | 0 | 0 |
| California | 14,066 | 27,252 | -48.4% | 13,278 | 25,753 | 783 | 1,486 | NM | NM | 0 | 0 |
| Oregon | 21,025 | 19,015 | 10.6% | 20,880 | 18,883 | 145 | 132 | 0 | 0 | 0 | 0 |
| Washington | 48,687 | 42,694 | 14.0% | 48,437 | 42,475 | 250 | 219 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 1,039 | 941 | 10.3% | 894 | 811 | 16 | 11 | 110 | 97 | 19 | 22 |
| Alaska | 999 | 902 | 10.8% | 889 | 804 | 0 | 0 | 110 | 97 | 0 | 0 |
| Hawaii | 40 | 40 | -0.3% | 5 | 6 | 16 | 11 | 0 | 0 | 19 | 22 |
| U.S. Total | 176,452 | 177,325 | -0.5% | 161,351 | 161,590 | 14,265 | 14,919 | 144 | 140 | 692 | 676 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 920 | 997 | -7.7% | 65 | 86 | 745 | 793 | 12 | 10 | 98 | 107 |
| Connecticut | 89 | 88 | 1.1% | 0 | 0 | 87 | 86 | NM | NM | NM | NM |
| Maine | 317 | 377 | -16.0% | 0 | 0 | 217 | 268 | 3 | 3 | 97 | 106 |
| Massachusetts | 261 | 240 | 8.9% | 18 | 15 | 238 | 220 | 4 | 4 | NM | NM |
| New Hampshire | 117 | 163 | -28.0% | 0 | 27 | 114 | 134 | 4 | 1 | 0 | 0 |
| Rhode Island | 47 | 39 | 21.5% | 0 | 0 | 47 | 39 | 0 | 0 | 0 | 0 |
| Vermont | 88 | 90 | -1.8% | 47 | 44 | 42 | 46 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 1,239 | 1,235 | 0.3% | 9 | 9 | 1,114 | 1,108 | 61 | 59 | 54 | 59 |
| New Jersey | 238 | 215 | 10.6% | 9 | 9 | 198 | 177 | 30 | 29 | NM | NM |
| New York | 588 | 584 | 0.7% | 0 | 0 | 555 | 549 | 19 | 19 | 14 | 16 |
| Pennsylvania | 412 | 436 | -5.4% | 0 | 0 | 361 | 382 | 12 | 11 | 39 | 42 |
| East North Central | 2,218 | 2,274 | -2.5% | 360 | 317 | 1,719 | 1,810 | 14 | 15 | 125 | 132 |
| Illinois | 841 | 844 | -0.3% | 10 | 9 | 831 | 834 | NM | NM | 0 | 0 |
| Indiana | 382 | 413 | -7.4% | 49 | 42 | 326 | 364 | 2 | 2 | 5 | 5 |
| Michigan | 567 | 589 | -3.8% | 177 | 164 | 335 | 367 | 4 | 4 | 50 | 54 |
| Ohio | 184 | 179 | 2.8% | NM | NM | 155 | 151 | NM | NM | 26 | 25 |
| Wisconsin | 244 | 249 | -2.1% | 122 | 100 | 72 | 95 | NM | 6 | 44 | 48 |
| West North Central | 6,366 | 5,883 | 8.2% | 1,917 | 1,864 | 4,367 | 3,940 | 20 | 22 | 62 | 57 |
| Iowa | 1,764 | 1,716 | 2.8% | 1,253 | 1,218 | 502 | 489 | 3 | 4 | 6 | 6 |
| Kansas | 1,655 | 1,677 | -1.3% | 140 | 157 | 1,514 | 1,519 | NM | NM | 0 | 0 |
| Minnesota | 1,037 | 999 | 3.8% | 173 | 170 | 800 | 767 | 9 | 11 | 56 | 51 |
| Missouri | 228 | 219 | 4.0% | 3 | 3 | 219 | 211 | 6 | 5 | 0 | 0 |
| Nebraska | 582 | 469 | 24.1% | 25 | 25 | 557 | 444 | 1 | 0 | 0 | 0 |
| North Dakota | 763 | 630 | 21.1% | 277 | 243 | 485 | 387 | NM | NM | 0 | 0 |
| South Dakota | 337 | 173 | 95.0% | 45 | 49 | 291 | 124 | 0 | 0 | 0 | 0 |
| South Atlantic | 4,187 | 3,506 | 19.4% | 908 | 607 | 2,416 | 1,973 | 38 | 38 | 825 | 887 |
| Delaware | 11 | 11 | 7.8% | NM | NM | 10 | 9 | 0 | 0 | NM | NM |
| District of Columbia | 6 | 6 | -12.7% | 0 | 0 | NM | NM | 4 | 5 | 0 | 0 |
| Florida | 1,009 | 736 | 37.2% | 618 | 364 | 234 | 209 | 5 | 4 | 153 | 158 |
| Georgia | 850 | 688 | 23.6% | 42 | 33 | 488 | 301 | NM | NM | 319 | 353 |
| Maryland | 136 | 134 | 2.1% | NM | NM | 131 | 128 | 4 | 5 | 0 | 0 |
| North Carolina | 1,193 | 1,062 | 12.3% | 61 | 45 | 1,012 | 912 | 13 | 13 | 107 | 92 |
| South Carolina | 399 | 313 | 27.6% | 8 | 33 | 255 | 128 | 0 | 0 | 136 | 152 |
| Virginia | 477 | 451 | 5.8% | 176 | 130 | 181 | 179 | 12 | 11 | 108 | 131 |
| West Virginia | 104 | 105 | -0.9% | 0 | 0 | 104 | 105 | 0 | 0 | 0 | 0 |
| East South Central | 645 | 689 | -6.3% | 16 | 16 | 131 | 138 | NM | NM | 498 | 535 |
| Alabama | 334 | 365 | -8.7% | 4 | 3 | 39 | 56 | 0 | 0 | 291 | 306 |
| Kentucky | 42 | 46 | -9.5% | 12 | 12 | NM | 1 | 0 | 0 | 29 | 33 |
| Mississippi | 167 | 164 | 2.1% | 0 | 0 | 44 | 34 | 0 | 0 | 124 | 130 |
| Tennessee | 102 | 114 | -9.8% | NM | NM | 48 | 47 | NM | NM | 54 | 66 |
| West South Central | 10,610 | 9,952 | 6.6% | 128 | 137 | 10,194 | 9,415 | 7 | 6 | 281 | 394 |
| Arkansas | 102 | 148 | -30.9% | NM | NM | 28 | 28 | 3 | 0 | 71 | 119 |
| Louisiana | 124 | 184 | -32.6% | NM | NM | 6 | 7 | 0 | 0 | 117 | 177 |
| Oklahoma | 1,998 | 2,219 | -10.0% | 105 | 113 | 1,870 | 2,080 | 0 | 0 | 23 | 25 |
| Texas | 8,386 | 7,401 | 13.3% | 22 | 23 | 8,290 | 7,300 | 4 | 6 | 70 | 73 |
| Mountain | 4,559 | 4,297 | 6.1% | 519 | 488 | 3,914 | 3,726 | 45 | 46 | 81 | 37 |
| Arizona | 697 | 622 | 12.0% | 80 | 75 | 615 | 546 | NM | NM | 0 | 0 |
| Colorado | 1,137 | 1,041 | 9.2% | 202 | 205 | 932 | 834 | NM | NM | 0 | 0 |
| Idaho | 265 | 293 | -9.6% | NM | NM | 238 | 246 | 1 | 1 | 15 | 35 |
| Montana | 161 | 147 | 10.1% | NM | NM | 145 | 130 | 0 | 0 | 2 | 2 |
| Nevada | 923 | 874 | 5.6% | 24 | 5 | 861 | 829 | 38 | 40 | 0 | 0 |
| New Mexico | 653 | 665 | -1.8% | 43 | 35 | 610 | 630 | NM | NM | 0 | 0 |
| Utah | 390 | 363 | 7.3% | 20 | 20 | 369 | 342 | 1 | 1 | 0 | 0 |
| Wyoming | 332 | 292 | 13.9% | 125 | 123 | 144 | 168 | 0 | 0 | 64 | 0 |
| Pacific Contiguous | 8,175 | 7,808 | 4.7% | 766 | 743 | 7,118 | 6,761 | 81 | 80 | 209 | 224 |
| California | 6,495 | 6,174 | 5.2% | 255 | 227 | 6,094 | 5,799 | 78 | 76 | 68 | 72 |
| Oregon | 999 | 934 | 6.9% | 173 | 180 | 772 | 693 | 2 | 2 | 52 | 59 |
| Washington | 680 | 700 | -2.7% | 338 | 336 | 251 | 269 | 1 | NM | 90 | 94 |
| Pacific Noncontiguous | 141 | 121 | 17.1% | 18 | 14 | 105 | 87 | 18 | 19 | NM | NM |
| Alaska | NM | 14 | NM | NM | NM | NM | NM | 3 | 3 | NM | NM |
| Hawaii | 128 | 107 | 19.8% | 11 | 7 | 102 | 83 | 15 | 16 | 0 | 0 |
| U.S. Total | 39,059 | 36,761 | 6.3% | 4,704 | 4,281 | 31,824 | 29,751 | 297 | 296 | 2,234 | 2,433 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.11.B. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 6,795 | 6,892 | -1.4% | 416 | 475 | 5,635 | 5,650 | 84 | 97 | 660 | 670 |
| Connecticut | 597 | 562 | 6.3% | 2 | 2 | 590 | 555 | 5 | 5 | NM | NM |
| Maine | 2,704 | 2,925 | -7.6% | 0 | 0 | 2,030 | 2,234 | 20 | 27 | 654 | 664 |
| Massachusetts | 1,599 | 1,455 | 9.8% | 113 | 92 | 1,446 | 1,323 | 34 | 35 | 6 | NM |
| New Hampshire | 945 | 1,092 | -13.5% | 21 | 139 | 904 | 929 | 20 | 24 | 0 | 0 |
| Rhode Island | 349 | 289 | 20.7% | 0 | 0 | 345 | 284 | 4 | 5 | 0 | 0 |
| Vermont | 601 | 568 | 5.7% | 280 | 242 | 320 | 325 | 1 | 1 | 0 | 0 |
| Middle Atlantic | 9,528 | 9,049 | 5.3% | 48 | 46 | 8,729 | 8,241 | 385 | 372 | 366 | 389 |
| New Jersey | 1,359 | 1,216 | 11.7% | 48 | 46 | 1,127 | 999 | 178 | 167 | 5 | 5 |
| New York | 4,516 | 4,401 | 2.6% | 0 | 0 | 4,297 | 4,169 | 123 | 125 | 96 | 107 |
| Pennsylvania | 3,653 | 3,432 | 6.4% | 0 | 0 | 3,306 | 3,073 | 83 | 81 | 264 | 278 |
| East North Central | 22,602 | 21,345 | 5.9% | 2,821 | 2,459 | 18,792 | 17,847 | 100 | 116 | 888 | 923 |
| Illinois | 9,603 | 8,612 | 11.5% | 68 | 66 | 9,530 | 8,541 | 5 | NM | 0 | 0 |
| Indiana | 4,179 | 4,213 | -0.8% | 295 | 250 | 3,835 | 3,915 | 14 | 13 | 35 | 35 |
| Michigan | 5,118 | 4,944 | 3.5% | 1,654 | 1,412 | 3,093 | 3,110 | 28 | 40 | 344 | 382 |
| Ohio | 1,839 | 1,741 | 5.6% | 12 | 12 | 1,626 | 1,550 | 10 | 10 | 191 | 169 |
| Wisconsin | 1,862 | 1,835 | 1.5% | 793 | 719 | 708 | 730 | 43 | 48 | 318 | 337 |
| West North Central | 58,570 | 49,335 | 18.7% | 19,187 | 16,580 | 38,884 | 32,237 | 99 | 107 | 401 | 411 |
| Iowa | 18,116 | 15,445 | 17.3% | 12,932 | 10,849 | 5,130 | 4,540 | 24 | 26 | 29 | 31 |
| Kansas | 14,062 | 11,997 | 17.2% | 1,146 | 1,102 | 12,907 | 10,886 | NM | 9 | 0 | 0 |
| Minnesota | 8,833 | 8,095 | 9.1% | 1,604 | 1,539 | 6,829 | 6,138 | 32 | 41 | 368 | 378 |
| Missouri | 2,005 | 1,829 | 9.6% | 19 | 17 | 1,960 | 1,786 | 23 | 24 | 2 | 1 |
| Nebraska | 4,998 | 4,165 | 20.0% | 223 | 216 | 4,766 | 3,942 | 8 | 7 | 0 | 0 |
| North Dakota | 7,534 | 6,118 | 23.2% | 2,771 | 2,370 | 4,760 | 3,745 | NM | NM | NM | NM |
| South Dakota | 3,022 | 1,687 | 79.2% | 491 | 486 | 2,531 | 1,200 | 0 | 0 | 0 | 0 |
| South Atlantic | 26,175 | 22,104 | 18.4% | 5,333 | 3,893 | 14,663 | 11,964 | 250 | 247 | 5,929 | 6,000 |
| Delaware | 71 | 65 | 8.9% | 4 | 4 | 57 | 52 | 3 | 3 | 6 | 6 |
| District of Columbia | 45 | 40 | 10.5% | 0 | 0 | 11 | 9 | 33 | 32 | 0 | 0 |
| Florida | 6,372 | 5,038 | 26.5% | 3,742 | 2,454 | 1,496 | 1,451 | 30 | 30 | 1,104 | 1,103 |
| Georgia | 5,419 | 4,148 | 30.6% | 207 | 186 | 2,891 | 1,652 | NM | 1 | 2,319 | 2,309 |
| Maryland | 897 | 890 | 0.8% | 5 | 5 | 866 | 811 | 26 | 26 | 0 | 49 |
| North Carolina | 7,022 | 6,196 | 13.3% | 350 | 240 | 5,851 | 5,179 | 71 | 70 | 750 | 706 |
| South Carolina | 2,319 | 1,879 | 23.4% | 144 | 244 | 1,257 | 663 | 0 | 0 | 918 | 972 |
| Virginia | 2,872 | 2,784 | 3.2% | 881 | 759 | 1,075 | 1,084 | 85 | 85 | 832 | 855 |
| West Virginia | 1,158 | 1,064 | 8.8% | 0 | 0 | 1,158 | 1,064 | 0 | 0 | 0 | 0 |
| East South Central | 4,369 | 4,276 | 2.2% | 94 | 93 | 794 | 793 | 3 | 3 | 3,477 | 3,388 |
| Alabama | 2,260 | 2,263 | -0.1% | 19 | 18 | 235 | 330 | 0 | 0 | 2,006 | 1,915 |
| Kentucky | 277 | 275 | 0.9% | 73 | 72 | 6 | 6 | 0 | 0 | 198 | 197 |
| Mississippi | 1,100 | 984 | 11.8% | 0 | 0 | 274 | 199 | 0 | 0 | 825 | 784 |
| Tennessee | 732 | 755 | -3.1% | NM | NM | 279 | 259 | 3 | 3 | 448 | 492 |
| West South Central | 81,246 | 71,182 | 14.1% | 1,054 | 1,014 | 77,822 | 67,395 | 52 | 49 | 2,319 | 2,724 |
| Arkansas | 696 | 976 | -28.7% | NM | NM | 161 | 162 | 16 | 3 | 519 | 810 |
| Louisiana | 1,157 | 1,279 | -9.5% | NM | NM | 45 | 44 | 0 | 0 | 1,112 | 1,234 |
| Oklahoma | 17,924 | 16,689 | 7.4% | 871 | 841 | 16,869 | 15,679 | 0 | 0 | 185 | 169 |
| Texas | 61,469 | 52,238 | 17.7% | 181 | 171 | 60,748 | 51,510 | 36 | 46 | 504 | 512 |
| Mountain | 32,280 | 29,120 | 10.9% | 3,801 | 3,557 | 27,804 | 25,004 | 346 | 329 | 329 | 230 |
| Arizona | 4,030 | 3,626 | 11.1% | 440 | 412 | 3,583 | 3,207 | 8 | 8 | 0 | 0 |
| Colorado | 8,070 | 7,204 | 12.0% | 1,395 | 1,383 | 6,656 | 5,807 | 18 | 12 | 2 | 2 |
| Idaho | 2,292 | 2,254 | 1.7% | 106 | 102 | 1,984 | 1,932 | 6 | 5 | 197 | 215 |
| Montana | 1,563 | 1,374 | 13.7% | 145 | 133 | 1,405 | 1,229 | 0 | 0 | 13 | 12 |
| Nevada | 5,818 | 5,298 | 9.8% | 94 | 24 | 5,418 | 4,976 | 304 | 296 | 2 | 1 |
| New Mexico | 5,539 | 4,733 | 17.0% | 233 | 177 | 5,304 | 4,554 | NM | NM | 0 | 0 |
| Utah | 2,219 | 2,101 | 5.6% | 130 | 132 | 2,080 | 1,962 | 8 | 6 | 0 | 0 |
| Wyoming | 2,749 | 2,529 | 8.7% | 1,258 | 1,193 | 1,375 | 1,336 | 0 | 0 | 116 | 0 |
| Pacific Contiguous | 51,242 | 47,906 | 7.0% | 5,307 | 4,705 | 43,958 | 41,257 | 535 | 505 | 1,442 | 1,438 |
| California | 38,462 | 36,785 | 4.6% | 1,317 | 1,280 | 36,203 | 34,586 | 512 | 482 | 430 | 438 |
| Oregon | 6,695 | 5,496 | 21.8% | 972 | 773 | 5,353 | 4,365 | 17 | 16 | 353 | 341 |
| Washington | 6,085 | 5,625 | 8.2% | 3,018 | 2,652 | 2,402 | 2,306 | 6 | 7 | 658 | 660 |
| Pacific Noncontiguous | 991 | 861 | 15.1% | 130 | 121 | 743 | 611 | 117 | 128 | NM | NM |
| Alaska | 121 | 115 | 5.2% | 63 | 60 | 34 | 33 | 23 | 20 | NM | NM |
| Hawaii | 870 | 746 | 16.6% | 67 | 61 | 709 | 578 | 94 | 107 | 0 | 0 |
| U.S. Total | 293,797 | 262,071 | 12.1% | 38,191 | 32,943 | 237,825 | 210,999 | 1,970 | 1,954 | 15,811 | 16,175 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | -29 | -53 | -45.7% | 0 | 0 | -29 | -53 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | 125.5% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | -29 | -53 | -45.0% | 0 | 0 | -29 | -53 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | -124 | -105 | 17.9% | -62 | -41 | -62 | -65 | 0 | 0 | 0 | 0 |
| New Jersey | -21 | -16 | 30.4% | -21 | -16 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | -41 | -25 | 66.1% | -41 | -25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | -62 | -65 | -3.7% | 0 | 0 | -62 | -65 | 0 | 0 | 0 | 0 |
| East North Central | -112 | -109 | 3.3% | -112 | -109 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | -112 | -109 | 3.3% | -112 | -109 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | -14 | 18 | -175.1% | -14 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | -14 | 18 | -175.1% | -14 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | -379 | -348 | 9.1% | -379 | -348 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | -91 | -98 | -7.3% | -91 | -98 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | -95 | -89 | 6.8% | -95 | -89 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | -193 | -161 | 20.3% | -193 | -161 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | -88 | -64 | 37.3% | -88 | -64 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | -88 | -64 | 37.3% | -88 | -64 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | -6 | -10 | -41.4% | -6 | -10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 6 | 2 | 161.1% | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | -12 | -12 | -1.3% | -12 | -12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | -5 | 8 | -157.0% | -5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 19 | 29 | -33.7% | 19 | 29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | -24 | -20 | 17.1% | -24 | -20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 71 | 40 | 78.8% | 71 | 40 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 69 | 40 | 73.2% | 69 | 40 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 2 | 0 | -950.9% | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | -686 | -622 | 10.2% | -595 | -505 | -91 | -118 | 0 | 0 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.12.B. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | -216 | -261 | -17.2% | 0 | 0 | -216 | -261 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 2 | -95.3% | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | -216 | -263 | -17.9% | 0 | 0 | -216 | -263 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | -614 | -580 | 5.7% | -275 | -243 | -339 | -338 | 0 | 0 | 0 | 0 |
| New Jersey | -111 | -67 | 66.2% | -111 | -67 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | -163 | -176 | -7.0% | -163 | -176 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | -339 | -338 | 0.4% | 0 | 0 | -339 | -338 | 0 | 0 | 0 | 0 |
| East North Central | -473 | -410 | 15.2% | -473 | -410 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | -473 | -410 | 15.2% | -473 | -410 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 18 | 346 | -94.8% | 18 | 346 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 18 | 346 | -94.8% | 18 | 346 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | -1,108 | -1,170 | -5.3% | -1,108 | -1,170 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | -135 | -80 | 69.6% | -135 | -80 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | -382 | -503 | -24.0% | -382 | -503 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | -591 | -587 | 0.6% | -591 | -587 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | -425 | -349 | 21.8% | -425 | -349 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | -425 | -349 | 21.8% | -425 | -349 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | -12 | -7 | 61.1% | -12 | -7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 53 | 46 | 14.0% | 53 | 46 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | -65 | -54 | 20.5% | -65 | -54 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | -36 | -117 | -69.3% | -36 | -117 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 55 | -5 | NM | 55 | -5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | -91 | -112 | -18.4% | -91 | -112 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | -17 | -51 | -67.1% | -17 | -51 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | -30 | -53 | -43.6% | -30 | -53 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 13 | 2 | 580.1% | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | -2,882 | -2,600 | 10.9% | -2,327 | -2,001 | -555 | -598 | 0 | 0 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 158 | 159 | -0.7% | 0 | 0 | 144 | 144 | 4 | 4 | 11 | 11 |
| Connecticut | 49 | 50 | -1.6% | 0 | 0 | 49 | 50 | 0 | 0 | 0 | 0 |
| Maine | 28 | 30 | -6.4% | 0 | 0 | 14 | 15 | 4 | 4 | 11 | 11 |
| Massachusetts | 76 | 74 | 2.4% | 0 | 0 | 76 | 74 | 0 | 0 | 0 | 0 |
| New Hampshire | 5 | 5 | -2.1% | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 213 | 223 | -4.6% | 0 | 0 | 166 | 175 | 45 | 44 | 2 | 4 |
| New Jersey | 50 | 50 | -0.1% | 0 | 0 | 34 | 32 | 14 | 14 | 2 | 4 |
| New York | 82 | 90 | -9.4% | 0 | 0 | 61 | 69 | 21 | 21 | 0 | 0 |
| Pennsylvania | 81 | 83 | -2.1% | 0 | 0 | 71 | 73 | 10 | 9 | 0 | 0 |
| East North Central | 84 | 76 | 10.0% | 1 | 2 | 7 | 7 | 7 | 7 | 68 | 60 |
| Illinois | 23 | 23 | -0.8% | 0 | 0 | -1 | -1 | 0 | 0 | 24 | 24 |
| Indiana | 42 | 33 | 29.2% | 0 | 0 | 0 | 0 | 2 | 2 | 40 | 31 |
| Michigan | 13 | 15 | -15.5% | 0 | 0 | 8 | 8 | 5 | 5 | 0 | 2 |
| Ohio | 1 | 1 | -48.3% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| Wisconsin | 5 | 4 | 36.5% | 2 | 2 | 0 | 0 | 0 | 0 | 3 | NM |
| West North Central | 35 | 35 | -1.2% | 17 | 16 | 14 | 12 | 3 | 4 | 1 | 3 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -0.7% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 30 | 30 | -1.8% | 12 | 11 | 14 | 12 | 3 | 4 | 0 | 3 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 5 | 5 | 2.1% | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 376 | 428 | -12.0% | 0 | 0 | 226 | 244 | 13 | 12 | 137 | 172 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 249 | 286 | -13.0% | 0 | 0 | 134 | 142 | 0 | 0 | 115 | 145 |
| Georgia | 4 | 8 | -48.6% | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 |
| Maryland | 34 | 36 | -4.6% | 0 | 0 | 34 | 36 | 0 | 0 | 0 | 0 |
| North Carolina | 39 | 46 | -14.4% | 0 | 0 | 25 | 30 | 0 | 0 | 15 | 16 |
| South Carolina | 4 | 4 | -6.8% | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 4 |
| Virginia | 47 | 48 | -1.4% | 0 | 0 | 34 | 36 | 13 | 12 | 0 | 0 |
| West Virginia | -1 | 0 | 219.0% | 0 | 0 | -1 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 6 | 4 | 52.2% | 5 | 3 | 0 | 0 | 0 | 0 | NM | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 5 | 3 | 50.5% | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | NM | 0 | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | 0 |
| West South Central | 75 | 75 | -0.7% | 0 | 0 | 6 | 8 | 0 | 0 | 69 | 67 |
| Arkansas | 0 | 1 | -95.1% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Louisiana | 32 | 36 | -10.2% | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 36 |
| Oklahoma | 0 | 1 | -51.8% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Texas | 42 | 38 | 11.0% | 0 | 0 | 6 | 8 | 0 | 0 | 36 | 30 |
| Mountain | 41 | 51 | -19.4% | 7 | 8 | 17 | 25 | 0 | 0 | 17 | 19 |
| Arizona | 0 | 0 | -128.8% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 6 | 5 | 0.7% | 0 | 0 | 1 | 2 | 0 | 0 | 4 | 4 |
| Idaho | 5 | 7 | -17.6% | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 |
| Montana | 16 | 23 | -30.7% | 0 | 0 | 16 | 23 | 0 | 0 | 0 | 0 |
| Nevada | 2 | 2 | -2.5% | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -51.4% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 5 | 9 | -41.4% | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 3 |
| Wyoming | 7 | 5 | 33.7% | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 |
| Pacific Contiguous | 76 | 78 | -1.9% | -1 | -1 | 28 | 25 | 0 | 0 | 50 | 55 |
| California | 66 | 68 | -2.6% | -1 | -1 | 18 | 15 | 0 | 0 | 50 | 55 |
| Oregon | 4 | 4 | -14.5% | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 |
| Washington | 6 | 5 | 17.1% | 0 | 0 | 6 | 5 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 30 | 32 | -6.4% | 12 | 12 | 0 | 0 | 18 | 20 | 0 | 0 |
| Alaska | 0 | 0 | -31.4% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 30 | 32 | -6.6% | 12 | 13 | 0 | 0 | 18 | 20 | 0 | 0 |
| U.S. Total | 1,094 | 1,162 | -5.8% | 42 | 40 | 609 | 640 | 90 | 91 | 354 | 391 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.13.B. Utility Scale Facility Net Generation from Other Energy Sources

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 1,091 | 1,088 | 0.2% | 0 | 0 | 993 | 980 | 25 | 33 | 73 | 75 |
| Connecticut | 346 | 333 | 4.0% | 0 | 0 | 346 | 333 | 0 | 0 | 0 | 0 |
| Maine | 190 | 207 | -8.1% | 0 | 0 | 93 | 99 | 25 | 33 | 73 | 75 |
| Massachusetts | 523 | 518 | 1.0% | 0 | 0 | 523 | 518 | 0 | 0 | 0 | 0 |
| New Hampshire | 32 | 31 | 2.6% | 0 | 0 | 32 | 31 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 1,443 | 1,429 | 1.0% | 0 | 0 | 1,131 | 1,110 | 295 | 290 | 16 | 29 |
| New Jersey | 341 | 345 | -1.2% | 0 | 0 | 228 | 223 | 97 | 92 | 16 | 29 |
| New York | 575 | 533 | 8.0% | 0 | 0 | 444 | 399 | 131 | 134 | 0 | 0 |
| Pennsylvania | 526 | 551 | -4.4% | 0 | 0 | 459 | 487 | 67 | 64 | 0 | 0 |
| East North Central | 517 | 509 | 1.5% | 11 | 11 | 47 | 58 | 46 | 61 | 412 | 380 |
| Illinois | 129 | 151 | -15.0% | 0 | 0 | -8 | -6 | 0 | 0 | 136 | 158 |
| Indiana | 261 | 200 | 30.4% | 0 | 0 | 0 | 0 | 14 | 13 | 247 | 187 |
| Michigan | 95 | 124 | -22.9% | 0 | 0 | 55 | 64 | 32 | 48 | 8 | 12 |
| Ohio | 6 | 8 | -21.4% | -1 | -1 | 0 | 0 | 0 | 0 | 7 | 8 |
| Wisconsin | 26 | 26 | -1.1% | 12 | 12 | 0 | 0 | 0 | 0 | 14 | 14 |
| West North Central | 247 | 236 | 4.7% | 112 | 111 | 87 | 79 | 21 | 14 | 27 | 31 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 3 | 3 | -0.6% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Minnesota | 212 | 202 | 5.0% | 79 | 80 | 87 | 79 | 21 | 14 | 24 | 28 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 32 | 31 | 3.0% | 32 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 2,557 | 2,748 | -6.9% | -1 | -1 | 1,532 | 1,597 | 95 | 96 | 931 | 1,056 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 1,712 | 1,858 | -7.9% | -1 | -1 | 973 | 1,005 | 0 | 0 | 740 | 854 |
| Georgia | 45 | 56 | -19.7% | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 56 |
| Maryland | 160 | 176 | -9.3% | 0 | 0 | 160 | 176 | 0 | 0 | 0 | 0 |
| North Carolina | 303 | 316 | -4.3% | 0 | 0 | 178 | 190 | 0 | 0 | 125 | 126 |
| South Carolina | 26 | 23 | 14.3% | 0 | 0 | 4 | 3 | 0 | 0 | 21 | 20 |
| Virginia | 322 | 324 | -0.6% | 0 | 0 | 227 | 227 | 95 | 96 | 0 | 0 |
| West Virginia | -9 | -4 | 139.6% | 0 | 0 | -9 | -4 | 0 | 0 | 0 | 0 |
| East South Central | 39 | 24 | 62.9% | 35 | 20 | 0 | 0 | 0 | 0 | 5 | 4 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 35 | 20 | 69.5% | 35 | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 5 | 4 | 25.8% | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 |
| West South Central | 498 | 550 | -9.5% | 0 | 0 | 31 | 52 | 0 | 0 | 468 | 497 |
| Arkansas | 3 | 3 | -3.3% | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Louisiana | 255 | 268 | -5.1% | 0 | 0 | 0 | 0 | 0 | 0 | 255 | 268 |
| Oklahoma | 4 | 4 | -15.6% | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 3 |
| Texas | 237 | 275 | -13.7% | 0 | 0 | 31 | 52 | 0 | 0 | 206 | 223 |
| Mountain | 344 | 407 | -15.5% | 52 | 48 | 134 | 178 | 0 | 0 | 157 | 181 |
| Arizona | -2 | -2 | -35.9% | 0 | 0 | -2 | -2 | 0 | 0 | 0 | 0 |
| Colorado | 37 | 33 | 10.8% | 0 | 0 | 10 | 9 | 0 | 0 | 27 | 25 |
| Idaho | 41 | 40 | 3.1% | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 40 |
| Montana | 125 | 171 | -26.8% | 0 | 0 | 125 | 171 | 0 | 0 | 0 | 0 |
| Nevada | 17 | 12 | 36.2% | 17 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | -1 | -1 | 7.7% | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 76 | 113 | -32.5% | 36 | 36 | 0 | 0 | 0 | 0 | 40 | 77 |
| Wyoming | 50 | 40 | 23.6% | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 40 |
| Pacific Contiguous | 457 | 482 | -5.2% | -7 | -9 | 159 | 146 | 0 | 0 | 305 | 345 |
| California | 392 | 428 | -8.4% | -6 | -9 | 93 | 91 | 0 | 0 | 305 | 345 |
| Oregon | 24 | 16 | 53.1% | 0 | 0 | 24 | 16 | 0 | 0 | 0 | 0 |
| Washington | 41 | 38 | 7.5% | 0 | 0 | 41 | 39 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 190 | 219 | -13.3% | 75 | 88 | 0 | 0 | 115 | 131 | 0 | 0 |
| Alaska | -2 | -2 | -17.3% | -2 | -2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 191 | 221 | -13.3% | 77 | 90 | 0 | 0 | 115 | 131 | 0 | 0 |
| U.S. Total | 7,382 | 7,691 | -4.0% | 277 | 269 | 4,114 | 4,199 | 597 | 624 | 2,394 | 2,599 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 223 | 237 | -5.9% | NM | NM | 205 | 219 | NM | NM | NM | NM |
| Connecticut | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| Maine | 135 | 152 | -10.9% | 0 | 0 | 135 | 152 | 0 | 0 | 0 | 0 |
| Massachusetts | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| New Hampshire | 33 | 31 | 6.2% | 0 | 0 | 33 | 31 | 0 | 0 | 0 | 0 |
| Rhode Island | 13 | 12 | 8.1% | 0 | 0 | 13 | 12 | 0 | 0 | 0 | 0 |
| Vermont | 25 | 26 | -1.5% | NM | NM | 14 | 13 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 544 | 580 | -6.1% | 0 | 0 | 544 | 579 | NM | NM | NM | NM |
| New Jersey | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| New York | 309 | 341 | -9.4% | 0 | 0 | 308 | 340 | NM | NM | NM | NM |
| Pennsylvania | 234 | 238 | -1.4% | 0 | 0 | 234 | 238 | 0 | 0 | 0 | 0 |
| East North Central | 1,660 | 1,726 | -3.8% | 249 | 224 | 1,405 | 1,495 | NM | NM | NM | NM |
| Illinois | 796 | 800 | -0.4% | NM | NM | 795 | 799 | NM | NM | 0 | 0 |
| Indiana | 299 | 338 | -11.4% | 0 | 0 | 299 | 338 | 0 | 0 | 0 | 0 |
| Michigan | 362 | 364 | -0.5% | 166 | 153 | 197 | 211 | 0 | 0 | 0 | 0 |
| Ohio | 88 | 99 | -11.2% | NM | NM | 82 | 93 | 0 | 0 | NM | NM |
| Wisconsin | 114 | 125 | -8.8% | 81 | 69 | 31 | 55 | NM | NM | 0 | 0 |
| West North Central | 5,957 | 5,523 | 7.8% | 1,880 | 1,831 | 4,073 | 3,689 | NM | NM | 0 | 0 |
| Iowa | 1,742 | 1,696 | 2.7% | 1,251 | 1,216 | 491 | 480 | 0 | 0 | 0 | 0 |
| Kansas | 1,643 | 1,669 | -1.6% | 140 | 157 | 1,501 | 1,511 | NM | NM | 0 | 0 |
| Minnesota | 699 | 700 | -0.1% | 149 | 148 | 549 | 550 | NM | NM | 0 | 0 |
| Missouri | 205 | 196 | 4.4% | 0 | 0 | 205 | 196 | 0 | 0 | 0 | 0 |
| Nebraska | 570 | 460 | 24.0% | NM | 19 | 552 | 441 | 0 | 0 | 0 | 0 |
| North Dakota | 763 | 630 | 21.1% | 277 | 243 | 485 | 387 | NM | NM | 0 | 0 |
| South Dakota | 336 | 172 | 95.1% | 45 | 49 | 291 | 123 | 0 | 0 | 0 | 0 |
| South Atlantic | 162 | 168 | -3.4% | 0 | 0 | 162 | 167 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | 28.8% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 33 | 36 | -7.1% | 0 | 0 | 33 | 36 | 0 | 0 | 0 | 0 |
| North Carolina | 24 | 27 | -8.3% | 0 | 0 | 24 | 27 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 104 | 105 | -0.9% | 0 | 0 | 104 | 105 | 0 | 0 | 0 | 0 |
| East South Central | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| West South Central | 9,291 | 8,986 | 3.4% | 116 | 128 | 9,170 | 8,853 | 4 | 4 | NM | NM |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 1,964 | 2,185 | -10.1% | 96 | 106 | 1,869 | 2,078 | 0 | 0 | 0 | 0 |
| Texas | 7,326 | 6,802 | 7.7% | 20 | 22 | 7,301 | 6,774 | 4 | 4 | NM | NM |
| Mountain | 2,192 | 2,131 | 2.8% | 349 | 352 | 1,778 | 1,778 | NM | NM | 64 | 0 |
| Arizona | 46 | 46 | -1.5% | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 |
| Colorado | 946 | 889 | 6.4% | 201 | 204 | 745 | 685 | NM | NM | 0 | 0 |
| Idaho | 164 | 176 | -7.1% | NM | NM | 154 | 166 | 0 | 0 | 0 | 0 |
| Montana | 155 | 141 | 10.3% | NM | NM | 141 | 126 | 0 | 0 | 0 | 0 |
| Nevada | 26 | 27 | -2.0% | 0 | 0 | 26 | 27 | 0 | 0 | 0 | 0 |
| New Mexico | 456 | 507 | -10.1% | 0 | 0 | 455 | 507 | NM | NM | 0 | 0 |
| Utah | 75 | 76 | -0.5% | 0 | 0 | 75 | 76 | 0 | 0 | 0 | 0 |
| Wyoming | 323 | 268 | 20.5% | 125 | 123 | 135 | 145 | 0 | 0 | 64 | 0 |
| Pacific Contiguous | 2,613 | 2,611 | 0.1% | 605 | 579 | 2,007 | 2,031 | 0 | 0 | 1 | 1 |
| California | 1,297 | 1,310 | -1.0% | 122 | 100 | 1,174 | 1,209 | 0 | 0 | 1 | 1 |
| Oregon | 764 | 742 | 3.0% | 168 | 175 | 597 | 567 | 0 | 0 | 0 | 0 |
| Washington | 552 | 560 | -1.3% | 315 | 305 | 237 | 255 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 55 | 58 | -5.6% | NM | NM | 48 | 51 | 0 | 0 | 0 | 0 |
| Alaska | NM | NM | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 |
| Hawaii | 45 | 47 | -5.6% | 0 | 0 | 45 | 47 | 0 | 0 | 0 | 0 |
| U.S. Total | 22,700 | 22,024 | 3.1% | 3,221 | 3,138 | 19,396 | 18,865 | 12 | 12 | 71 | NM |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.14.B. Utility Scale Facility Net Generation from Wind

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 2,297 | 2,204 | 4.2% | 147 | 138 | 2,129 | 2,045 | 18 | 19 | NM | NM |
| Connecticut | 8 | NM | NM | 0 | 0 | 8 | NM | 0 | 0 | 0 | 0 |
| Maine | 1,450 | 1,448 | 0.2% | 0 | 0 | 1,450 | 1,448 | 0 | 0 | 0 | 0 |
| Massachusetts | 149 | 135 | 10.5% | 38 | 34 | 95 | 84 | 14 | 14 | NM | NM |
| New Hampshire | 312 | 250 | 24.8% | 0 | 0 | 312 | 250 | 0 | 0 | 0 | 0 |
| Rhode Island | 140 | 135 | 3.9% | 0 | 0 | 136 | 130 | 4 | 5 | 0 | 0 |
| Vermont | 238 | 229 | 3.7% | 109 | 104 | 129 | 125 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 5,177 | 5,110 | 1.3% | 0 | 0 | 5,172 | 5,105 | NM | NM | NM | NM |
| New Jersey | 14 | 14 | 4.5% | 0 | 0 | 14 | 14 | 0 | 0 | 0 | 0 |
| New York | 2,794 | 2,964 | -5.7% | 0 | 0 | 2,789 | 2,960 | NM | NM | NM | NM |
| Pennsylvania | 2,369 | 2,132 | 11.1% | 0 | 0 | 2,369 | 2,132 | 0 | 0 | 0 | 0 |
| East North Central | 18,974 | 17,802 | 6.6% | 2,243 | 1,916 | 16,665 | 15,822 | 18 | 17 | 48 | 47 |
| Illinois | 9,310 | 8,328 | 11.8% | 8 | 8 | 9,300 | 8,318 | NM | NM | 0 | 0 |
| Indiana | 3,686 | 3,771 | -2.3% | 0 | 0 | 3,686 | 3,771 | 0 | 0 | 0 | 0 |
| Michigan | 3,733 | 3,435 | 8.7% | 1,596 | 1,357 | 2,137 | 2,077 | 0 | 0 | 0 | 0 |
| Ohio | 1,168 | 1,246 | -6.3% | 8 | NM | 1,113 | 1,194 | 2 | 2 | 44 | 43 |
| Wisconsin | 1,078 | 1,023 | 5.4% | 631 | 544 | 429 | 462 | 13 | 12 | 4 | 4 |
| West North Central | 56,263 | 47,276 | 19.0% | 18,979 | 16,366 | 37,256 | 30,883 | 29 | 28 | 0 | 0 |
| Iowa | 17,975 | 15,312 | 17.4% | 12,919 | 10,837 | 5,054 | 4,473 | 2 | 2 | 0 | 0 |
| Kansas | 13,992 | 11,950 | 17.1% | 1,145 | 1,101 | 12,838 | 10,841 | NM | 9 | 0 | 0 |
| Minnesota | 6,940 | 6,411 | 8.3% | 1,476 | 1,400 | 5,448 | 4,996 | 16 | 15 | 0 | 0 |
| Missouri | 1,878 | 1,703 | 10.3% | 0 | 0 | 1,878 | 1,703 | 0 | 0 | 0 | 0 |
| Nebraska | 4,924 | 4,098 | 20.2% | 177 | 172 | 4,747 | 3,926 | 0 | 0 | 0 | 0 |
| North Dakota | 7,533 | 6,116 | 23.2% | 2,771 | 2,370 | 4,760 | 3,745 | NM | NM | 0 | 0 |
| South Dakota | 3,021 | 1,685 | 79.3% | 491 | 486 | 2,530 | 1,199 | 0 | 0 | 0 | 0 |
| South Atlantic | 1,872 | 1,726 | 8.4% | 0 | 0 | 1,869 | 1,723 | 3 | 3 | 0 | 0 |
| Delaware | 3 | 3 | 0.1% | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 346 | 339 | 2.2% | 0 | 0 | 346 | 339 | 0 | 0 | 0 | 0 |
| North Carolina | 365 | 320 | 13.9% | 0 | 0 | 365 | 320 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 1,158 | 1,064 | 8.8% | 0 | 0 | 1,158 | 1,064 | 0 | 0 | 0 | 0 |
| East South Central | 30 | 27 | 11.4% | 0 | 0 | 30 | 27 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 30 | 27 | 11.4% | 0 | 0 | 30 | 27 | 0 | 0 | 0 | 0 |
| West South Central | 74,335 | 65,384 | 13.7% | 1,000 | 969 | 73,295 | 64,375 | 33 | 32 | NM | 8 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 17,687 | 16,471 | 7.4% | 830 | 804 | 16,857 | 15,668 | 0 | 0 | 0 | 0 |
| Texas | 56,648 | 48,913 | 15.8% | 170 | 166 | 56,437 | 48,707 | 33 | 32 | NM | 8 |
| Mountain | 18,412 | 16,626 | 10.7% | 2,891 | 2,800 | 15,400 | 13,819 | NM | NM | 118 | 2 |
| Arizona | 340 | 344 | -1.2% | 0 | 0 | 340 | 344 | 0 | 0 | 0 | 0 |
| Colorado | 7,057 | 6,375 | 10.7% | 1,390 | 1,380 | 5,665 | 4,991 | NM | NM | 2 | 2 |
| Idaho | 1,638 | 1,585 | 3.4% | 98 | 95 | 1,540 | 1,490 | 0 | 0 | 0 | 0 |
| Montana | 1,529 | 1,342 | 13.9% | 145 | 133 | 1,384 | 1,209 | 0 | 0 | 0 | 0 |
| Nevada | 198 | 199 | -0.9% | 0 | 0 | 198 | 199 | 0 | 0 | 0 | 0 |
| New Mexico | 4,512 | 3,863 | 16.8% | 0 | 0 | 4,510 | 3,861 | NM | NM | 0 | 0 |
| Utah | 494 | 502 | -1.6% | 0 | 0 | 494 | 502 | 0 | 0 | 0 | 0 |
| Wyoming | 2,644 | 2,415 | 9.5% | 1,258 | 1,193 | 1,269 | 1,223 | 0 | 0 | 116 | 0 |
| Pacific Contiguous | 19,865 | 18,289 | 8.6% | 4,310 | 3,695 | 15,548 | 14,587 | 4 | 4 | 3 | 3 |
| California | 9,343 | 9,242 | 1.1% | 537 | 514 | 8,799 | 8,721 | 4 | 4 | 3 | 3 |
| Oregon | 5,375 | 4,388 | 22.5% | 937 | 738 | 4,439 | 3,650 | 0 | 0 | 0 | 0 |
| Washington | 5,146 | 4,660 | 10.4% | 2,836 | 2,443 | 2,310 | 2,217 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 457 | 449 | 1.9% | 63 | 60 | 395 | 389 | 0 | 0 | 0 | 0 |
| Alaska | 97 | 93 | 4.4% | 63 | 60 | 34 | 33 | 0 | 0 | 0 | 0 |
| Hawaii | 360 | 356 | 1.3% | 0 | 0 | 360 | 356 | 0 | 0 | 0 | 0 |
| U.S. Total | 197,683 | 174,894 | 13.0% | 29,632 | 25,945 | 167,758 | 148,775 | 111 | 109 | 182 | 65 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.15.A. Utility Scale Facility Net Generation from Biomass by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 464 | 575 | -19.2% | 27 | 54 | 331 | 407 | 9 | 7 | 97 | 106 |
| Connecticut | 59 | 67 | -11.6% | 0 | 0 | 59 | 67 | 0 | 0 | 0 | 0 |
| Maine | 181 | 224 | -19.5% | 0 | 0 | 81 | 115 | 3 | 3 | 97 | 106 |
| Massachusetts | 85 | 87 | -2.2% | 0 | 0 | 83 | 84 | 2 | 2 | 0 | 0 |
| New Hampshire | 84 | 132 | -36.0% | 0 | 27 | 81 | 104 | 4 | 1 | 0 | 0 |
| Rhode Island | 16 | 20 | -19.6% | 0 | 0 | 16 | 20 | 0 | 0 | 0 | 0 |
| Vermont | 40 | 45 | -12.6% | 27 | 27 | NM | 18 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 384 | 426 | -9.8% | 0 | 0 | 292 | 329 | 41 | 41 | 51 | 56 |
| New Jersey | 64 | 69 | -7.4% | 0 | 0 | 51 | 56 | 13 | 12 | 0 | 0 |
| New York | 160 | 169 | -5.8% | 0 | 0 | 129 | 137 | 17 | 17 | 13 | 15 |
| Pennsylvania | 161 | 188 | -14.4% | 0 | 0 | 112 | 136 | 11 | 11 | 38 | 41 |
| East North Central | 431 | 456 | -5.6% | 72 | 64 | 229 | 255 | 9 | 10 | 120 | 126 |
| Illinois | 35 | 36 | -3.3% | 9 | 8 | 27 | 28 | 0 | 0 | 0 | 0 |
| Indiana | 35 | 35 | -1.3% | 24 | 25 | 4 | 4 | 2 | 2 | 5 | 5 |
| Michigan | 183 | 205 | -10.7% | 0 | 0 | 129 | 148 | 4 | 4 | 50 | 54 |
| Ohio | 58 | 60 | -3.8% | 0 | 0 | 36 | 39 | 1 | 1 | 21 | 20 |
| Wisconsin | 119 | 119 | 0.4% | 40 | 31 | 33 | 36 | 3 | 4 | 44 | 48 |
| West North Central | 166 | 157 | 5.3% | 33 | 30 | 54 | 52 | 17 | 18 | 62 | 57 |
| Iowa | 20 | 18 | 9.3% | NM | NM | 10 | 8 | 3 | 3 | 6 | 6 |
| Kansas | 5 | 5 | -3.8% | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 |
| Minnesota | 123 | 118 | 4.5% | 23 | 21 | 36 | 36 | 7 | 9 | 56 | 51 |
| Missouri | 11 | 11 | 2.2% | 2 | 2 | 3 | 3 | 6 | 5 | 0 | 0 |
| Nebraska | 7 | 6 | 21.7% | 6 | 5 | 0 | 0 | 1 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 1,554 | 1,664 | -6.6% | 158 | 201 | 552 | 555 | 21 | 21 | 824 | 886 |
| Delaware | 4 | 4 | -1.9% | 0 | 0 | 3 | 4 | 0 | 0 | NM | NM |
| District of Columbia | 4 | 5 | -25.4% | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 |
| Florida | 350 | 379 | -7.6% | 47 | 61 | 147 | 157 | 3 | 3 | 153 | 157 |
| Georgia | 458 | 463 | -1.0% | 0 | 0 | 139 | 109 | 0 | 0 | 319 | 353 |
| Maryland | 36 | 37 | -4.8% | 0 | 0 | 34 | 35 | 2 | 2 | 0 | 0 |
| North Carolina | 189 | 202 | -6.5% | 0 | 0 | 82 | 109 | NM | NM | 107 | 92 |
| South Carolina | 195 | 223 | -12.2% | 7 | 32 | 52 | 39 | 0 | 0 | 136 | 152 |
| Virginia | 319 | 352 | -9.4% | 103 | 107 | 95 | 102 | 12 | 11 | 108 | 131 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 515 | 565 | -8.8% | 7 | 7 | 10 | 23 | 0 | 0 | 497 | 534 |
| Alabama | 294 | 321 | -8.4% | 0 | 0 | 3 | 15 | 0 | 0 | 291 | 306 |
| Kentucky | 37 | 41 | -10.6% | 7 | 7 | 1 | 1 | 0 | 0 | 29 | 33 |
| Mississippi | 125 | 131 | -4.9% | 0 | 0 | NM | NM | 0 | 0 | 124 | 130 |
| Tennessee | 59 | 71 | -17.1% | 0 | 0 | 6 | 6 | 0 | 0 | 53 | 65 |
| West South Central | 325 | 446 | -27.0% | 0 | 0 | 46 | 52 | 0 | 1 | 279 | 393 |
| Arkansas | 77 | 125 | -38.2% | 0 | 0 | 6 | 6 | 0 | 0 | 71 | 119 |
| Louisiana | 124 | 184 | -32.7% | 0 | 0 | 6 | 7 | 0 | 0 | 117 | 177 |
| Oklahoma | 24 | 27 | -10.9% | 0 | 0 | 2 | 2 | 0 | 0 | 23 | 25 |
| Texas | 100 | 110 | -8.9% | 0 | 0 | 32 | 38 | 0 | 0 | 69 | 72 |
| Mountain | 68 | 95 | -28.3% | NM | NM | 49 | 56 | 2 | 2 | 16 | 36 |
| Arizona | NM | 21 | NM | 0 | 0 | NM | 21 | 0 | 0 | 0 | 0 |
| Colorado | 14 | 14 | 0.4% | 0 | 0 | 14 | 14 | 0 | 0 | 0 | 0 |
| Idaho | 26 | 46 | -44.4% | NM | NM | 9 | 10 | 1 | 1 | 14 | 34 |
| Montana | 2 | 2 | 8.3% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Nevada | 4 | 5 | -3.6% | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0 |
| New Mexico | NM | 1 | NM | 0 | 0 | NM | 1 | 0 | 0 | 0 | 0 |
| Utah | 6 | 6 | -6.0% | 0 | 0 | 5 | 5 | 1 | 1 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 694 | 745 | -6.9% | 34 | 42 | 396 | 422 | 61 | 61 | 203 | 220 |
| California | 478 | 508 | -6.0% | 6 | 6 | 353 | 377 | 58 | 57 | 61 | 68 |
| Oregon | 92 | 102 | -9.3% | 5 | 5 | 34 | 36 | 2 | 2 | 52 | 59 |
| Washington | 124 | 135 | -8.6% | NM | 32 | 10 | 9 | 1 | NM | 90 | 94 |
| Pacific Noncontiguous | 25 | 28 | -11.7% | 2 | 4 | 4 | 4 | 18 | 19 | NM | NM |
| Alaska | 3 | 3 | 1.2% | 0 | 0 | 0 | 0 | 3 | 3 | NM | NM |
| Hawaii | 21 | 25 | -13.5% | 2 | 4 | 4 | 4 | 15 | 16 | 0 | 0 |
| U.S. Total | 4,625 | 5,157 | -10.3% | 333 | 404 | 1,963 | 2,157 | 179 | 180 | 2,150 | 2,416 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.15.B. Utility Scale Facility Net Generation from Biomass

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 3,265 | 3,710 | -12.0% | 149 | 255 | 2,406 | 2,722 | 56 | 68 | 654 | 664 |
| Connecticut | 435 | 447 | -2.6% | 0 | 0 | 435 | 447 | 0 | 0 | 0 | 0 |
| Maine | 1,247 | 1,471 | -15.2% | 0 | 0 | 572 | 779 | 20 | 27 | 654 | 664 |
| Massachusetts | 591 | 597 | -0.9% | 0 | 0 | 577 | 581 | 15 | 16 | 0 | 0 |
| New Hampshire | 633 | 842 | -24.8% | 21 | 139 | 593 | 679 | 20 | 24 | 0 | 0 |
| Rhode Island | 124 | 117 | 6.5% | 0 | 0 | 124 | 117 | 0 | 0 | 0 | 0 |
| Vermont | 234 | 237 | -1.0% | 129 | 116 | 105 | 119 | 1 | 1 | 0 | 0 |
| Middle Atlantic | 2,736 | 2,790 | -1.9% | 0 | 0 | 2,111 | 2,143 | 278 | 274 | 347 | 373 |
| New Jersey | 447 | 473 | -5.5% | 0 | 0 | 360 | 390 | 87 | 83 | 0 | 0 |
| New York | 1,094 | 1,068 | 2.4% | 0 | 0 | 896 | 856 | 111 | 113 | 88 | 99 |
| Pennsylvania | 1,195 | 1,248 | -4.3% | 0 | 0 | 855 | 896 | 80 | 78 | 260 | 273 |
| East North Central | 2,903 | 3,079 | -5.7% | 385 | 395 | 1,610 | 1,722 | 69 | 86 | 839 | 875 |
| Illinois | 247 | 244 | 1.4% | 59 | 57 | 188 | 186 | 0 | 0 | 0 | 0 |
| Indiana | 242 | 237 | 1.8% | 166 | 163 | 29 | 28 | 12 | 11 | 35 | 35 |
| Michigan | 1,278 | 1,409 | -9.3% | 0 | 0 | 908 | 988 | 26 | 39 | 344 | 382 |
| Ohio | 401 | 403 | -0.5% | 0 | 0 | 251 | 273 | 5 | 5 | 145 | 125 |
| Wisconsin | 735 | 787 | -6.6% | 160 | 175 | 235 | 247 | 26 | 32 | 314 | 333 |
| West North Central | 1,030 | 1,046 | -1.5% | 191 | 201 | 369 | 355 | 70 | 79 | 401 | 411 |
| Iowa | 127 | 124 | 2.3% | 9 | 8 | 67 | 63 | 22 | 23 | 29 | 31 |
| Kansas | 36 | 35 | 1.5% | 0 | 0 | 36 | 35 | 0 | 0 | 0 | 0 |
| Minnesota | 755 | 777 | -2.8% | 126 | 138 | 244 | 236 | 17 | 25 | 368 | 378 |
| Missouri | 61 | 60 | 2.0% | 15 | 14 | 21 | 21 | 23 | 23 | 2 | 1 |
| Nebraska | 49 | 48 | 4.1% | 42 | 41 | 0 | 0 | 8 | 7 | 0 | 0 |
| North Dakota | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 10,894 | 11,045 | -1.4% | 980 | 1,295 | 3,835 | 3,599 | 155 | 155 | 5,925 | 5,996 |
| Delaware | 31 | 30 | 1.9% | 0 | 0 | 24 | 24 | 0 | 0 | 6 | 6 |
| District of Columbia | 33 | 32 | 5.5% | 0 | 0 | 0 | 0 | 33 | 32 | 0 | 0 |
| Florida | 2,520 | 2,679 | -5.9% | 320 | 418 | 1,074 | 1,137 | 24 | 23 | 1,103 | 1,102 |
| Georgia | 3,283 | 2,911 | 12.7% | 0 | 0 | 964 | 603 | 0 | 0 | 2,319 | 2,309 |
| Maryland | 182 | 242 | -24.9% | 0 | 0 | 170 | 180 | 12 | 13 | 0 | 49 |
| North Carolina | 1,409 | 1,445 | -2.5% | 0 | 0 | 656 | 736 | 3 | 4 | 750 | 706 |
| South Carolina | 1,338 | 1,443 | -7.2% | 137 | 241 | 285 | 232 | 0 | 0 | 915 | 969 |
| Virginia | 2,098 | 2,262 | -7.3% | 522 | 636 | 661 | 688 | 83 | 84 | 832 | 855 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 3,596 | 3,589 | 0.2% | 50 | 49 | 73 | 156 | 0 | 0 | 3,473 | 3,384 |
| Alabama | 2,026 | 2,019 | 0.4% | 0 | 0 | 20 | 104 | 0 | 0 | 2,006 | 1,915 |
| Kentucky | 253 | 251 | 0.9% | 50 | 49 | 5 | 5 | 0 | 0 | 198 | 197 |
| Mississippi | 832 | 791 | 5.2% | 0 | 0 | 7 | 7 | 0 | 0 | 825 | 784 |
| Tennessee | 485 | 529 | -8.2% | 0 | 0 | 41 | 41 | 0 | 0 | 444 | 488 |
| West South Central | 2,646 | 3,072 | -13.8% | -1 | 0 | 333 | 341 | 3 | 14 | 2,311 | 2,716 |
| Arkansas | 565 | 856 | -34.0% | 0 | 0 | 43 | 42 | 3 | 3 | 519 | 810 |
| Louisiana | 1,156 | 1,278 | -9.5% | 0 | 0 | 45 | 44 | 0 | 0 | 1,112 | 1,234 |
| Oklahoma | 196 | 180 | 8.8% | 0 | 0 | 11 | 11 | 0 | 0 | 185 | 169 |
| Texas | 729 | 758 | -3.8% | -1 | 0 | 234 | 243 | 0 | 11 | 496 | 504 |
| Mountain | 577 | 614 | -6.1% | 8 | 8 | 348 | 370 | 14 | 11 | 206 | 225 |
| Arizona | 124 | 140 | -11.1% | 0 | 0 | 124 | 140 | 0 | 0 | 0 | 0 |
| Colorado | 98 | 91 | 7.1% | 0 | 0 | 98 | 91 | 0 | 0 | 0 | 0 |
| Idaho | 263 | 291 | -9.7% | 8 | 8 | 55 | 65 | 6 | 5 | 194 | 214 |
| Montana | 13 | 12 | 6.7% | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 12 |
| Nevada | 31 | 30 | 2.5% | 0 | 0 | 31 | 30 | 0 | 0 | 0 | 0 |
| New Mexico | 6 | 11 | -39.6% | 0 | 0 | 6 | 11 | 0 | 0 | 0 | 0 |
| Utah | 43 | 40 | 6.1% | 0 | 0 | 35 | 34 | 8 | 6 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 4,810 | 4,917 | -2.2% | 257 | 282 | 2,715 | 2,817 | 426 | 401 | 1,412 | 1,416 |
| California | 3,277 | 3,363 | -2.6% | 43 | 42 | 2,430 | 2,528 | 403 | 378 | 400 | 416 |
| Oregon | 620 | 615 | 0.9% | 32 | 31 | 219 | 226 | 17 | 16 | 353 | 341 |
| Washington | 912 | 939 | -2.9% | 181 | 209 | 66 | 63 | 6 | 7 | 658 | 660 |
| Pacific Noncontiguous | 163 | 197 | -16.9% | 16 | 38 | 30 | 29 | 117 | 128 | NM | NM |
| Alaska | 24 | 22 | 8.6% | 0 | 0 | 0 | 0 | 23 | 20 | NM | NM |
| Hawaii | 140 | 175 | -20.1% | 16 | 38 | 30 | 29 | 94 | 107 | 0 | 0 |
| U.S. Total | 32,622 | 34,058 | -4.2% | 2,035 | 2,524 | 13,829 | 14,254 | 1,188 | 1,217 | 15,570 | 16,063 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East North Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 378 | 366 | 3.1% | 20 | 20 | 327 | 313 | 30 | 33 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 7 | 6 | 3.2% | 0 | 0 | 7 | 6 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 330 | 318 | 3.5% | 0 | 0 | 299 | 285 | 30 | 33 | 0 | 0 |
| New Mexico | 2 | 4 | -44.7% | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 |
| Utah | 40 | 38 | 4.2% | 20 | 20 | 20 | 18 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 1,061 | 1,035 | 2.6% | 68 | 63 | 993 | 972 | 0 | 0 | 0 | 0 |
| California | 1,048 | 1,022 | 2.6% | 68 | 63 | 980 | 959 | 0 | 0 | 0 | 0 |
| Oregon | 14 | 13 | 4.2% | 0 | 0 | 14 | 13 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 10 | 10 | -7.3% | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 10 | 10 | -7.3% | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 |
| U.S. Total | 1,449 | 1,412 | 2.7% | 88 | 83 | 1,330 | 1,296 | 30 | 33 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 1.16.B. Utility Scale Facility Net Generation from Geothermal

### by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East North Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 2,570 | 2,514 | 2.2% | 130 | 132 | 2,174 | 2,123 | 265 | 259 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 42 | 42 | -1.5% | 0 | 0 | 42 | 42 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 2,249 | 2,185 | 2.9% | 0 | 0 | 1,984 | 1,927 | 265 | 259 | 0 | 0 |
| New Mexico | 30 | 34 | -11.7% | 0 | 0 | 30 | 34 | 0 | 0 | 0 | 0 |
| Utah | 249 | 252 | -1.2% | 130 | 132 | 119 | 119 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 6,826 | 6,935 | -1.6% | 420 | 415 | 6,406 | 6,521 | 0 | 0 | 0 | 0 |
| California | 6,741 | 6,849 | -1.6% | 420 | 415 | 6,321 | 6,435 | 0 | 0 | 0 | 0 |
| Oregon | 85 | 86 | -1.1% | 0 | 0 | 85 | 86 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 74 | 78 | -4.6% | 0 | 0 | 74 | 78 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 74 | 78 | -4.6% | 0 | 0 | 74 | 78 | 0 | 0 | 0 | 0 |
| U.S. Total | 9,470 | 9,527 | -0.6% | 550 | 547 | 8,654 | 8,721 | 265 | 259 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.17.A. Net Generation from Solar Photovoltaic**
**by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | | | | | Electric Power Sector | | | | Commercial Sector | | | | | | Industrial Sector | | | | | | Residential Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Electric Utilities | | Independent Power Producers | | | | | | | | | | | | | | | |
| | Estimated Generation From Utility and Small Scale Facilities | | | Generation at Utility Scale Facilities | | Estimated Small Scale Generation | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Estimated Generation From Utility and Small Scale Facilities | | Generation at Utility Scale Facilities | | Estimated Small Scale Generation | | Estimated Generation From Utility and Small Scale Facilities | | Generation at Utility Scale Facilities | | Estimated Small Scale Generation | | Estimated Small Scale Generation | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 682 | 563 | 21.1% | 233 | 185 | 449 | 378 | 22 | 15 | 209 | 167 | NM | NM | NM | NM | 239 | 198 | NM | NM | NM | NM | 18 | 14 | 191 | 166 |
| Connecticut | 112 | 90 | 25.1% | 29 | 20 | 84 | 70 | 0 | 0 | 27 | 19 | NM | NM | NM | NM | 30 | 25 | NM | NM | NM | NM | 5 | 3 | 49 | 42 |
| Maine | NM | 10 | NM | NM | NM | 10 | 9 | 0 | 0 | NM | NM | 4 | 4 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 |
| Massachusetts | 448 | 385 | 16.2% | 161 | 138 | 287 | 247 | 14 | 11 | 146 | 126 | NM | NM | NM | NM | 168 | 145 | NM | NM | NM | NM | 13 | 10 | 106 | 92 |
| New Hampshire | 17 | 15 | 18.2% | 0 | 0 | 17 | 15 | 0 | 0 | 0 | 0 | 6 | 5 | 0 | 0 | 6 | 5 | 1 | 1 | 0 | 0 | 1 | 1 | 10 | 9 |
| Rhode Island | 50 | 26 | 90.4% | 18 | 7 | 32 | 19 | 0 | 0 | 18 | 7 | 23 | 13 | 0 | 0 | 23 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 6 |
| Vermont | 43 | 37 | 17.2% | 24 | 19 | 20 | 18 | 8 | 4 | 16 | 15 | 8 | 7 | 0 | 0 | 8 | 7 | NM | 0 | 0 | 0 | NM | 0 | 12 | 11 |
| Middle Atlantic | 916 | 744 | 23.0% | 310 | 229 | 606 | 515 | 9 | 9 | 278 | 199 | 297 | 237 | 20 | 19 | 277 | 218 | NM | NM | NM | NM | 31 | 26 | 298 | 272 |
| New Jersey | 452 | 390 | 16.0% | 173 | 145 | 279 | 245 | 9 | 9 | 146 | 119 | 145 | 126 | 17 | 16 | 128 | 110 | NM | NM | NM | NM | 22 | 17 | 130 | 118 |
| New York | 380 | 289 | 31.5% | 120 | 74 | 260 | 214 | 0 | 0 | 117 | 72 | NM | NM | NM | NM | 128 | 90 | NM | NM | NM | NM | 2 | 2 | 130 | 123 |
| Pennsylvania | 84 | 66 | 27.3% | 17 | 10 | 67 | 56 | 0 | 0 | 15 | 8 | NM | NM | NM | NM | 22 | 18 | NM | NM | NM | NM | 7 | 7 | 38 | 31 |
| East North Central | 247 | 176 | 40.2% | 111 | 92 | 136 | 84 | 39 | 30 | 70 | 60 | NM | NM | NM | NM | 67 | 46 | 7 | 6 | 0 | 0 | 7 | 6 | 62 | 32 |
| Illinois | 62 | 30 | 109.1% | 10 | 8 | 53 | 22 | NM | 0 | 9 | 7 | NM | NM | NM | NM | 29 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 10 |
| Indiana | 67 | 54 | 25.2% | 48 | 40 | 20 | 14 | 25 | 17 | 22 | 22 | NM | NM | NM | NM | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 |
| Michigan | 40 | 33 | 21.0% | 21 | 19 | 19 | 14 | 12 | 11 | 9 | 8 | NM | NM | NM | NM | 8 | 7 | NM | NM | 0 | 0 | NM | NM | 11 | 7 |
| Ohio | 50 | 43 | 17.9% | 23 | 20 | 27 | 23 | NM | NM | 21 | 18 | NM | NM | NM | NM | 14 | 14 | 4 | 3 | 0 | 0 | 3 | 3 | 10 | 6 |
| Wisconsin | 27 | 17 | 60.4% | 10 | 5 | 17 | 12 | NM | 0 | 8 | 4 | NM | NM | NM | NM | 6 | 5 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 5 |
| West North Central | 328 | 271 | 21.2% | 243 | 202 | 85 | 69 | 4 | 3 | 240 | 199 | 38 | 33 | 0 | 0 | 38 | 32 | 4 | 3 | 0 | 0 | 4 | 3 | 43 | 34 |
| Iowa | NM | 20 | NM | NM | NM | 24 | 18 | NM | NM | NM | NM | 15 | 11 | 0 | 0 | 15 | 11 | 1 | 1 | 0 | 0 | 1 | 1 | 9 | 6 |
| Kansas | 13 | 6 | 101.2% | 8 | NM | 5 | 4 | NM | NM | 8 | NM | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 |
| Minnesota | 230 | 194 | 18.8% | 215 | 182 | 15 | 12 | NM | NM | 215 | 181 | 4 | 4 | 0 | 0 | 4 | 4 | 2 | 1 | 0 | 0 | 2 | 1 | 9 | 7 |
| Missouri | 50 | 45 | 12.4% | 12 | 12 | 38 | 33 | NM | 1 | 11 | 12 | 17 | 15 | 0 | 0 | 17 | 15 | 1 | 1 | 0 | 0 | 1 | 1 | 21 | 17 |
| Nebraska | 8 | 5 | 40.3% | 5 | 4 | 2 | 2 | NM | NM | 4 | 3 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| North Dakota | 0 | 0 | 13.6% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | NM | 0 | NM | NM | NM | 0 | 0 | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 2,837 | 1,980 | 43.3% | 2,466 | 1,673 | 371 | 307 | 746 | 405 | 1,702 | 1,251 | 99 | 94 | 17 | 17 | 82 | 77 | NM | NM | NM | NM | 36 | 33 | 253 | 196 |
| Delaware | 21 | 20 | 3.8% | 7 | 6 | 14 | 14 | NM | NM | 6 | 5 | 3 | 4 | 0 | 0 | 3 | 4 | 1 | 1 | 0 | 0 | 1 | 1 | 10 | 9 |
| District of Columbia | NM | 11 | NM | NM | NM | 12 | 9 | 0 | 0 | NM | NM | 6 | 4 | 0 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 |
| Florida | 757 | 420 | 80.2% | 656 | 356 | 102 | 64 | 567 | 301 | 87 | 53 | NM | NM | NM | NM | 15 | 13 | NM | NM | NM | NM | 1 | 1 | 86 | 51 |
| Georgia | NM | 256 | NM | 392 | 225 | NM | NM | 42 | 33 | 350 | 192 | NM | NM | NM | NM | 5 | 4 | NM | NM | 0 | 0 | NM | NM | NM | NM |
| Maryland | 183 | 175 | 4.6% | 67 | 60 | 116 | 115 | NM | NM | 64 | 57 | NM | NM | NM | NM | 27 | 29 | 3 | 4 | 0 | 0 | 3 | 4 | 85 | 82 |
| North Carolina | 1,015 | 861 | 17.9% | 980 | 834 | 35 | 27 | 61 | 45 | 906 | 776 | 25 | 25 | 13 | 12 | 13 | 12 | 1 | 1 | 0 | 0 | 1 | 1 | 21 | 14 |
| South Carolina | 241 | 124 | 94.8% | 204 | 90 | 37 | 33 | NM | NM | 202 | 89 | 7 | 8 | 0 | 0 | 7 | 8 | NM | NM | NM | NM | 4 | 3 | 26 | 23 |
| Virginia | 180 | 113 | 59.6% | 158 | 100 | 22 | 13 | 73 | 23 | 85 | 76 | NM | NM | NM | NM | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 10 |
| West Virginia | 2 | 1 | 25.2% | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| East South Central | 145 | 137 | 6.1% | 127 | 120 | 19 | 17 | 8 | 8 | 117 | 111 | NM | NM | NM | NM | 11 | 11 | NM | NM | NM | NM | 0 | 0 | 7 | 5 |
| Alabama | NM | 46 | NM | 40 | 44 | NM | NM | 4 | 3 | 36 | 41 | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Kentucky | 10 | 9 | 16.2% | 5 | 5 | 6 | 4 | 4 | 4 | NM | NM | 3 | 2 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 |
| Mississippi | 44 | 34 | 29.6% | 43 | 33 | 2 | 1 | 0 | 0 | 43 | 33 | 1 | 1 | 0 | 0 | 1 | 1 | NM | NM | 0 | 0 | NM | NM | 1 | 1 |
| Tennessee | 50 | 48 | 3.2% | 40 | 39 | 10 | 10 | NM | NM | 38 | 37 | NM | NM | NM | NM | 7 | 7 | NM | NM | NM | NM | NM | NM | 3 | 3 |
| West South Central | 1,168 | 652 | 79.0% | 994 | 520 | 174 | 132 | 12 | 6 | 979 | 511 | 35 | NM | 3 | NM | 32 | 28 | 1 | 1 | 0 | 0 | 1 | 1 | 141 | 104 |
| Arkansas | 31 | 27 | 17.8% | 25 | 23 | 6 | 4 | NM | NM | 22 | 23 | 4 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 |
| Louisiana | NM | 24 | NM | NM | NM | 25 | 23 | NM | NM | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 22 |
| Oklahoma | 13 | 9 | 38.7% | 10 | 7 | 3 | 2 | 10 | 7 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Texas | 1,098 | 593 | 85.2% | 959 | 490 | 139 | 103 | NM | NM | 957 | 488 | NM | NM | NM | NM | 27 | 25 | NM | 0 | 0 | 0 | NM | 0 | 112 | 78 |
| Mountain | 2,350 | 2,068 | 13.6% | 1,816 | 1,600 | 534 | 469 | 148 | 114 | 1,655 | 1,474 | 143 | 132 | 12 | 10 | 131 | 122 | NM | NM | NM | NM | 7 | 6 | 396 | 340 |
| Arizona | 818 | 712 | 14.9% | 548 | 465 | 270 | 246 | 80 | 75 | 466 | 389 | NM | NM | NM | NM | 76 | 70 | 1 | 1 | 0 | 0 | 1 | 1 | 192 | 175 |
| Colorado | 247 | 204 | 21.2% | 177 | 138 | 70 | 66 | NM | NM | 173 | 136 | NM | NM | NM | NM | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 44 |
| Idaho | 79 | 71 | 11.1% | 69 | 64 | 10 | 7 | 0 | 0 | 68 | 64 | 1 | 1 | 0 | 0 | 1 | 1 | NM | NM | NM | NM | 1 | 0 | 9 | 6 |
| Montana | 8 | 7 | 21.9% | 4 | 4 | 4 | 3 | 0 | 0 | 4 | 4 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 |
| Nevada | 634 | 579 | 9.5% | 546 | 509 | 88 | 70 | 24 | 5 | 514 | 497 | 19 | 18 | 7 | 7 | 12 | 11 | 4 | 4 | 0 | 0 | 4 | 4 | 73 | 55 |
| New Mexico | 228 | 180 | 26.2% | 195 | 153 | 33 | 28 | 43 | 35 | 152 | 118 | 9 | 8 | 0 | 0 | 9 | 8 | NM | 0 | 0 | 0 | NM | 0 | 24 | 19 |
| Utah | 325 | 291 | 11.9% | 269 | 243 | 56 | 48 | 0 | 0 | 269 | 243 | 10 | 9 | 0 | 0 | 10 | 9 | 1 | 1 | 0 | 0 | 1 | 1 | 45 | 37 |
| Wyoming | 10 | 24 | -57.4% | 9 | 23 | 1 | 1 | 0 | 0 | 9 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Pacific Contiguous | 5,407 | 4,814 | 12.3% | 3,487 | 3,123 | 1,920 | 1,691 | 60 | 59 | 3,401 | 3,042 | 466 | 427 | 20 | 19 | 446 | 409 | 273 | 235 | 6 | 4 | 266 | 231 | 1,207 | 1,051 |
| California | 5,207 | 4,669 | 11.5% | 3,353 | 3,040 | 1,854 | 1,628 | 59 | 58 | 3,268 | 2,960 | 449 | 407 | 20 | 19 | 429 | 388 | 270 | 233 | 6 | 4 | 264 | 229 | 1,161 | 1,011 |
| Oregon | 162 | 112 | 44.4% | 129 | 78 | 33 | 35 | NM | NM | 128 | 77 | 13 | 17 | 0 | 0 | 13 | 17 | 2 | 2 | 0 | 0 | 2 | 2 | 19 | 16 |
| Washington | NM | 33 | NM | NM | 5 | 32 | 28 | 0 | 0 | NM | NM | 5 | 4 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 24 |
| Pacific Noncontiguous | 169 | 134 | 25.8% | 52 | 24 | 117 | 110 | 9 | 3 | 43 | 21 | 45 | 42 | 0 | 0 | 45 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 67 |
| Alaska | 1 | 1 | 64.3% | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Hawaii | 168 | 133 | 25.6% | 52 | 24 | 116 | 109 | 9 | 3 | 43 | 21 | 44 | 42 | 0 | 0 | 44 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 67 |
| U.S. Total | 14,249 | 11,541 | 23.5% | 9,840 | 7,769 | 4,409 | 3,772 | 1,057 | 654 | 8,695 | 7,036 | 1,445 | 1,254 | 76 | 70 | 1,369 | 1,184 | 382 | 330 | 12 | 9 | 370 | 321 | 2,670 | 2,267 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.17.B. Net Generation from Solar Photovoltaic**
**by State, by Sector, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | | | | | Industrial Sector | | | | | | Residential Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | | | | | | | | | | | |
| | Estimated Generation From Utility and Small Scale Facilities | | | Generation at Utility Scale Facilities | | Estimated Small Scale Generation | | Estimated Generation From Utility and Small Scale Facilities | | Generation at Utility Scale Facilities | | Estimated Small Scale Generation | | Estimated Generation From Utility and Small Scale Facilities | | Generation at Utility Scale Facilities | | Estimated Small Scale Generation | | Estimated Small Scale Generation | |
| Census Division and State | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 3,673 | 3,018 | 21.7% | 1,233 | 978 | 2,440 | 2,039 | 120 | 81 | 1,100 | 884 | 1,326 | 1,104 | 10 | 10 | 1,316 | 1,094 | 107 | 83 | 4 | 3 | 104 | 80 | 1,020 | 865 |
| Connecticut | 616 | 478 | 28.8% | 154 | 108 | 462 | 371 | 2 | 2 | 147 | 100 | 177 | 142 | 5 | 5 | 172 | 137 | 26 | 18 | NM | NM | 26 | 18 | 264 | 217 |
| Maine | 62 | 54 | 16.0% | 7 | 7 | 55 | 46 | 0 | 0 | 7 | 7 | 20 | 19 | 0 | 0 | 20 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 27 |
| Massachusetts | 2,391 | 2,067 | 15.7% | 858 | 724 | 1,533 | 1,344 | 75 | 58 | 774 | 658 | 921 | 816 | 5 | 5 | 916 | 811 | 73 | 59 | 4 | 3 | 70 | 55 | 548 | 477 |
| New Hampshire | 98 | 80 | 22.8% | 0 | 0 | 98 | 80 | 0 | 0 | 0 | 0 | 33 | 25 | 0 | 0 | 33 | 25 | 6 | 5 | 0 | 0 | 6 | 5 | 59 | 50 |
| Rhode Island | 267 | 139 | 92.5% | 85 | 38 | 182 | 101 | 0 | 0 | 85 | 38 | 134 | 66 | 0 | 0 | 134 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 35 |
| Vermont | 238 | 200 | 19.2% | 129 | 103 | 109 | 97 | 43 | 22 | 86 | 81 | 42 | 36 | 0 | 0 | 42 | 36 | 2 | 1 | 0 | 0 | 2 | 1 | 65 | 60 |
| Middle Atlantic | 4,997 | 3,965 | 26.0% | 1,615 | 1,150 | 3,382 | 2,816 | 48 | 46 | 1,447 | 993 | 1,662 | 1,323 | 105 | 97 | 1,557 | 1,227 | 192 | 157 | 15 | 14 | 177 | 142 | 1,649 | 1,447 |
| New Jersey | 2,474 | 2,095 | 18.1% | 898 | 730 | 1,576 | 1,365 | 48 | 46 | 753 | 595 | 819 | 722 | 92 | 84 | 728 | 638 | 130 | 97 | 5 | 5 | 125 | 93 | 723 | 635 |
| New York | 2,069 | 1,518 | 36.3% | 628 | 368 | 1,441 | 1,150 | 0 | 0 | 612 | 353 | 720 | 500 | 10 | 10 | 710 | 490 | 16 | 16 | 5 | 5 | 11 | 11 | 720 | 649 |
| Pennsylvania | 455 | 353 | 29.0% | 90 | 52 | 365 | 301 | 0 | 0 | 82 | 44 | 122 | 102 | 3 | 3 | 119 | 99 | 45 | 43 | 5 | 4 | 41 | 39 | 205 | 163 |
| East North Central | 1,260 | 885 | 42.4% | 577 | 463 | 683 | 422 | 193 | 147 | 369 | 302 | 350 | 251 | 13 | 13 | 337 | 239 | 37 | 30 | 1 | 1 | 36 | 29 | 310 | 154 |
| Illinois | 293 | 140 | 109.3% | 46 | 40 | 247 | 100 | 1 | 1 | 42 | 36 | 135 | 59 | 2 | 2 | 133 | 57 | 1 | 0 | 0 | 0 | 1 | 0 | 114 | 43 |
| Indiana | 355 | 281 | 26.3% | 251 | 205 | 104 | 76 | 129 | 87 | 120 | 116 | 57 | 53 | NM | NM | 55 | 51 | 2 | 2 | 0 | 0 | 2 | 2 | 47 | 23 |
| Michigan | 205 | 167 | 22.8% | 107 | 101 | 98 | 66 | 58 | 55 | 48 | 45 | 43 | 34 | NM | NM | 42 | 33 | 2 | 2 | 0 | 0 | 2 | 2 | 54 | 32 |
| Ohio | 270 | 211 | 28.2% | 123 | 93 | 147 | 118 | 4 | 5 | 114 | 84 | 81 | 77 | 4 | 3 | 78 | 73 | 19 | 15 | 1 | 1 | 18 | 14 | 52 | 30 |
| Wisconsin | 136 | 86 | 58.5% | 50 | 25 | 86 | 61 | NM | 0 | 45 | 21 | 34 | 28 | 4 | 4 | 30 | 24 | 14 | 11 | 0 | 0 | 14 | 11 | 43 | 26 |
| West North Central | 1,735 | 1,373 | 26.4% | 1,276 | 1,013 | 459 | 360 | 17 | 13 | 1,259 | 999 | 206 | 170 | 0 | 1 | 205 | 170 | 19 | 14 | 0 | 0 | 19 | 14 | 234 | 177 |
| Iowa | 139 | 105 | 32.2% | 14 | 9 | 125 | 97 | 5 | 4 | 9 | 4 | 76 | 60 | 0 | 0 | 76 | 60 | 4 | 3 | 0 | 0 | 4 | 3 | 46 | 33 |
| Kansas | 63 | 34 | 86.6% | 34 | 11 | 29 | 23 | NM | NM | 33 | 10 | 11 | 9 | 0 | 0 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 13 |
| Minnesota | 1,212 | 969 | 25.1% | 1,138 | 907 | 74 | 61 | NM | NM | 1,136 | 906 | 17 | 20 | 0 | 0 | 17 | 20 | 10 | 7 | 0 | 0 | 10 | 7 | 47 | 35 |
| Missouri | 282 | 235 | 20.1% | 65 | 65 | 217 | 170 | 4 | 3 | 61 | 61 | 97 | 78 | 0 | 1 | 97 | 77 | 4 | 3 | 0 | 0 | 4 | 3 | 115 | 89 |
| Nebraska | 36 | 28 | 27.4% | 24 | 20 | 12 | 9 | 5 | NM | 19 | 16 | 4 | 3 | 0 | 0 | 4 | 3 | 1 | 1 | 0 | 0 | 1 | 1 | 7 | 5 |
| North Dakota | 0 | 0 | 15.9% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 2 | 2 | 10.3% | NM | NM | 1 | 1 | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| South Atlantic | 15,550 | 11,084 | 40.3% | 13,380 | 9,314 | 2,170 | 1,770 | 4,325 | 2,579 | 8,960 | 6,642 | 581 | 552 | 92 | 89 | 489 | 463 | 230 | 210 | 4 | 4 | 226 | 206 | 1,455 | 1,102 |
| Delaware | 117 | 109 | 6.9% | 37 | 32 | 80 | 77 | 4 | 4 | 33 | 28 | 20 | 22 | 0 | 0 | 20 | 22 | 5 | 5 | 0 | 0 | 5 | 5 | 54 | 51 |
| District of Columbia | 82 | 59 | 39.3% | 11 | 9 | 71 | 50 | 0 | 0 | 11 | 9 | 34 | 25 | 0 | 0 | 34 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 25 |
| Florida | 4,449 | 2,732 | 62.9% | 3,824 | 2,339 | 626 | 392 | 3,394 | 2,017 | 422 | 314 | 98 | 87 | 7 | 7 | 91 | 80 | 10 | 8 | NM | NM | 9 | 6 | 525 | 306 |
| Georgia | 2,335 | 1,424 | 63.9% | 2,136 | 1,237 | 199 | 188 | 207 | 186 | 1,928 | 1,049 | 29 | 27 | NM | NM | 28 | 25 | 155 | 150 | 0 | 0 | 155 | 150 | 16 | 12 |
| Maryland | 1,001 | 928 | 7.8% | 369 | 309 | 633 | 619 | 5 | 5 | 350 | 292 | 171 | 176 | 14 | 12 | 158 | 163 | 21 | 23 | 0 | 0 | 21 | 23 | 454 | 434 |
| North Carolina | 5,458 | 4,592 | 18.9% | 5,247 | 4,430 | 211 | 161 | 350 | 240 | 4,830 | 4,123 | 144 | 142 | 68 | 67 | 76 | 75 | 9 | 5 | 0 | 0 | 9 | 5 | 126 | 82 |
| South Carolina | 1,207 | 636 | 89.7% | 981 | 437 | 226 | 200 | 6 | NM | 972 | 431 | 45 | 49 | 0 | 0 | 45 | 49 | 28 | 18 | NM | NM | 25 | 16 | 156 | 135 |
| Virginia | 891 | 597 | 49.4% | 775 | 522 | 116 | 75 | 359 | 124 | 414 | 397 | 36 | 23 | NM | NM | 35 | 21 | 2 | 1 | 0 | 0 | 2 | 1 | 80 | 53 |
| West Virginia | 9 | 7 | 27.3% | 0 | 0 | 9 | 7 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 |
| East South Central | 851 | 758 | 12.3% | 742 | 660 | 109 | 98 | 44 | 43 | 691 | 610 | 70 | 68 | 3 | 3 | 68 | 65 | 6 | 5 | 4 | 4 | 2 | 2 | 40 | 31 |
| Alabama | 243 | 253 | -3.8% | 234 | 244 | 9 | 9 | 19 | 18 | 215 | 226 | 6 | 6 | 0 | 0 | 6 | 6 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 2 |
| Kentucky | 56 | 48 | 16.8% | 24 | 24 | 31 | 24 | 23 | 23 | NM | NM | 15 | 13 | 0 | 0 | 15 | 13 | 1 | 1 | 0 | 0 | 1 | 1 | 16 | 9 |
| Mississippi | 277 | 201 | 38.2% | 268 | 193 | 10 | 8 | 0 | 0 | 268 | 193 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 |
| Tennessee | 275 | 257 | 7.1% | 216 | 199 | 59 | 57 | NM | NM | 207 | 191 | 44 | 44 | 3 | 3 | 42 | 41 | 4 | 4 | 4 | 4 | 0 | 0 | 17 | 16 |
| West South Central | 5,252 | 3,478 | 51.0% | 4,265 | 2,726 | 987 | 752 | 55 | 44 | 4,195 | 2,679 | 200 | 167 | 15 | NM | 185 | 164 | 5 | 4 | 0 | 0 | 5 | 4 | 798 | 584 |
| Arkansas | 165 | 141 | 17.5% | 131 | 120 | 34 | 20 | NM | NM | 118 | 119 | 24 | 6 | 12 | 0 | 11 | 6 | 3 | 2 | 0 | 0 | 3 | 2 | 20 | 12 |
| Louisiana | 155 | 146 | 6.4% | NM | NM | 154 | 145 | NM | NM | 0 | 0 | 9 | 10 | 0 | 0 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 145 | 135 |
| Oklahoma | 57 | 49 | 16.6% | 41 | 37 | 16 | 11 | 41 | 37 | 0 | 0 | 3 | 3 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 12 | 8 |
| Texas | 4,874 | 3,143 | 55.1% | 4,092 | 2,567 | 783 | 575 | 12 | 5 | 4,077 | 2,560 | 164 | 148 | NM | NM | 161 | 145 | 1 | 1 | 0 | 0 | 1 | 1 | 620 | 429 |
| Mountain | 13,457 | 11,582 | 16.2% | 10,155 | 8,747 | 3,302 | 2,835 | 772 | 617 | 9,315 | 8,072 | 910 | 826 | 63 | 55 | 846 | 770 | 47 | 43 | 4 | 2 | 42 | 41 | 2,414 | 2,024 |
| Arizona | 4,831 | 4,200 | 15.0% | 3,071 | 2,643 | 1,760 | 1,557 | 440 | 412 | 2,623 | 2,223 | 522 | 464 | 8 | 8 | 514 | 456 | 8 | 8 | 0 | 0 | 8 | 8 | 1,238 | 1,092 |
| Colorado | 1,327 | 1,122 | 18.3% | 915 | 738 | 412 | 384 | 5 | 3 | 893 | 725 | 151 | 144 | 17 | 10 | 134 | 134 | 2 | 1 | 0 | 0 | 2 | 1 | 276 | 248 |
| Idaho | 400 | 369 | 8.5% | 350 | 336 | 51 | 33 | 0 | 0 | 347 | 335 | 5 | 4 | 0 | 0 | 5 | 4 | 5 | 2 | NM | NM | 3 | 1 | 43 | 28 |
| Montana | 41 | 35 | 16.3% | 21 | 20 | 20 | 15 | 0 | 0 | 21 | 20 | 6 | 4 | 0 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 10 |
| Nevada | 3,787 | 3,158 | 19.9% | 3,269 | 2,763 | 518 | 395 | 94 | 24 | 3,135 | 2,699 | 109 | 104 | 39 | 38 | 70 | 66 | 24 | 24 | 2 | 1 | 23 | 23 | 425 | 306 |
| New Mexico | 1,204 | 1,001 | 20.3% | 990 | 826 | 214 | 175 | 233 | 177 | 757 | 649 | 56 | 52 | 0 | 0 | 56 | 52 | 1 | 1 | 0 | 0 | 1 | 1 | 157 | 123 |
| Utah | 1,754 | 1,578 | 11.1% | 1,433 | 1,307 | 320 | 271 | 0 | 0 | 1,433 | 1,307 | 60 | 53 | 0 | 0 | 60 | 53 | 6 | 5 | 0 | 0 | 6 | 5 | 255 | 213 |
| Wyoming | 113 | 119 | -5.1% | 105 | 114 | 7 | 5 | 0 | 0 | 105 | 114 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 |
| Pacific Contiguous | 29,105 | 25,733 | 13.1% | 18,336 | 16,401 | 10,769 | 9,332 | 320 | 313 | 17,884 | 15,969 | 2,646 | 2,376 | 105 | 100 | 2,542 | 2,276 | 1,502 | 1,317 | 27 | 19 | 1,475 | 1,299 | 6,752 | 5,757 |
| California | 28,149 | 25,009 | 12.6% | 17,695 | 15,968 | 10,454 | 9,041 | 316 | 309 | 17,248 | 15,540 | 2,562 | 2,283 | 105 | 100 | 2,457 | 2,183 | 1,492 | 1,307 | 27 | 19 | 1,465 | 1,289 | 6,532 | 5,570 |
| Oregon | 773 | 567 | 36.4% | 614 | 407 | 159 | 159 | 4 | 4 | 610 | 404 | 62 | 74 | 0 | 0 | 62 | 74 | 10 | 10 | 0 | 0 | 10 | 10 | 88 | 76 |
| Washington | 182 | 157 | 16.4% | 26 | 26 | 156 | 131 | 0 | 0 | 26 | 26 | 23 | 19 | 0 | 0 | 23 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 111 |
| Pacific Noncontiguous | 1,021 | 799 | 27.8% | 296 | 139 | 724 | 660 | 51 | 23 | 245 | 115 | 276 | 260 | 0 | 0 | 276 | 260 | 2 | 2 | 0 | 0 | 2 | 2 | 446 | 398 |
| Alaska | 5 | 3 | 68.9% | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 |
| Hawaii | 1,016 | 796 | 27.6% | 296 | 139 | 720 | 657 | 51 | 23 | 245 | 115 | 275 | 259 | 0 | 0 | 275 | 259 | 2 | 2 | 0 | 0 | 2 | 2 | 442 | 396 |
| U.S. Total | 76,900 | 62,675 | 22.7% | 51,875 | 41,591 | 25,025 | 21,084 | 5,945 | 3,908 | 45,465 | 37,266 | 8,227 | 7,097 | 406 | 370 | 7,821 | 6,727 | 2,147 | 1,865 | 59 | 48 | 2,088 | 1,817 | 15,117 | 12,540 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.18.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, July 2020 and 2019 (Thousand Megawatthours)**

| | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Generation at Utility Scale Facilities | | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | | Generation at Utility Scale Facilities | |
| Census Division and State | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East North Central | 15 | 0 | -- | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 15 | 0 | -- | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 4 | 1 | 209.3% | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 4 | 1 | 209.3% | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 105 | 105 | 0.4% | 0 | 0 | 105 | 105 | 0 | 0 | 0 | 0 |
| Arizona | 88 | 89 | -1.8% | 0 | 0 | 88 | 89 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 17 | 15 | 13.3% | 0 | 0 | 17 | 15 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 320 | 294 | 8.9% | 0 | 0 | 320 | 294 | 0 | 0 | 0 | 0 |
| California | 320 | 294 | 8.9% | 0 | 0 | 320 | 294 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 444 | 400 | 11.2% | 4 | 1 | 440 | 398 | 0 | 0 | 0 | 0 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

# Chapter 2

# Consumption of Fossil Fuels

## Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 979,684 | 721,431 | 249,814 | 314 | 8,125 |
| 2011 | 934,938 | 689,316 | 239,541 | 347 | 5,735 |
| 2012 | 825,734 | 615,467 | 205,295 | 307 | 4,665 |
| 2013 | 860,729 | 638,327 | 217,219 | 513 | 4,670 |
| 2014 | 853,634 | 624,235 | 224,568 | 202 | 4,629 |
| 2015 | 739,594 | 539,506 | 195,927 | 163 | 3,999 |
| 2016 | 677,371 | 496,192 | 178,047 | 111 | 3,021 |
| 2017 | 663,911 | 484,389 | 176,643 | 95 | 2,783 |
| 2018 | 636,213 | 473,617 | 159,976 | 87 | 2,534 |
| 2019 | 538,465 | 398,671 | 137,460 | 78 | 2,257 |
| Year 2018 | | | | | |
| January | 64,845 | 47,762 | 16,817 | 11 | 255 |
| February | 45,793 | 34,002 | 11,552 | 9 | 230 |
| March | 44,474 | 32,312 | 11,930 | 8 | 224 |
| April | 40,515 | 30,350 | 9,965 | 7 | 193 |
| May | 47,293 | 35,261 | 11,815 | 6 | 211 |
| June | 56,078 | 42,502 | 13,360 | 6 | 210 |
| July | 63,818 | 48,277 | 15,322 | 6 | 212 |
| August | 63,737 | 47,866 | 15,660 | 7 | 204 |
| Sept | 53,914 | 40,293 | 13,415 | 7 | 199 |
| October | 48,422 | 35,547 | 12,695 | 6 | 173 |
| November | 51,702 | 37,956 | 13,537 | 7 | 202 |
| December | 55,624 | 41,488 | 13,908 | 7 | 221 |
| Year 2019 | | | | | |
| January | 55,831 | 41,298 | 14,305 | 10 | 218 |
| February | 45,056 | 33,365 | 11,484 | 8 | 198 |
| March | 44,038 | 31,673 | 12,185 | 9 | 172 |
| April | 33,432 | 24,481 | 8,781 | 6 | 165 |
| May | 40,061 | 30,220 | 9,654 | 6 | 181 |
| June | 44,274 | 33,482 | 10,611 | 4 | 176 |
| July | 56,062 | 42,233 | 13,617 | 6 | 205 |
| August | 52,512 | 39,619 | 12,686 | 5 | 202 |
| Sept | 47,418 | 35,347 | 11,876 | 6 | 189 |
| October | 37,435 | 26,979 | 10,273 | 6 | 177 |
| November | 41,918 | 30,311 | 11,414 | 6 | 188 |
| December | 40,429 | 29,663 | 10,574 | 7 | 184 |
| Year 2020 | | | | | |
| January | 36,697 | 27,198 | 9,302 | 6 | 191 |
| February | 31,971 | 23,594 | 8,189 | 9 | 179 |
| March | 28,917 | 21,602 | 7,139 | 6 | 171 |
| April | 23,617 | 16,922 | 6,542 | 4 | 150 |
| May | 26,827 | 19,765 | 6,911 | 5 | 146 |
| June | 36,706 | 27,697 | 8,868 | 7 | 135 |
| July | 49,693 | 38,107 | 11,434 | 5 | 147 |
| Year to Date | | | | | |
| 2018 | 362,815 | 270,467 | 90,760 | 53 | 1,535 |
| 2019 | 318,754 | 236,752 | 80,637 | 48 | 1,317 |
| 2020 | 234,429 | 174,885 | 58,384 | 41 | 1,119 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 592,152 | 439,902 | 149,853 | 82 | 2,315 |
| 2020 | 454,141 | 336,804 | 115,207 | 71 | 2,060 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 21,727 | 0 | 3,808 | 1,406 | 16,513 |
| 2011 | 21,532 | 0 | 3,628 | 1,321 | 16,584 |
| 2012 | 19,333 | 0 | 2,790 | 1,143 | 15,400 |
| 2013 | 18,350 | 0 | 2,416 | 843 | 15,090 |
| 2014 | 18,107 | 978 | 1,821 | 861 | 14,448 |
| 2015 | 16,632 | 1,032 | 1,980 | 635 | 12,985 |
| 2016 | 16,586 | 2,979 | 1,336 | 572 | 11,700 |
| 2017 | 14,667 | 2,802 | 1,158 | 515 | 10,192 |
| 2018 | 13,813 | 2,268 | 1,356 | 490 | 9,700 |
| 2019 | 12,720 | 2,194 | 1,091 | 448 | 8,987 |
| Year 2018 | | | | | |
| January | 1,434 | 237 | 144 | 65 | 987 |
| February | 1,285 | 216 | 126 | 51 | 892 |
| March | 1,254 | 202 | 119 | 49 | 885 |
| April | 1,095 | 188 | 100 | 40 | 767 |
| May | 1,081 | 173 | 106 | 33 | 769 |
| June | 1,081 | 184 | 107 | 30 | 759 |
| July | 1,078 | 189 | 105 | 34 | 750 |
| August | 1,064 | 181 | 103 | 35 | 745 |
| Sept | 1,061 | 183 | 97 | 38 | 743 |
| October | 984 | 159 | 72 | 35 | 718 |
| November | 1,167 | 173 | 141 | 40 | 813 |
| December | 1,229 | 182 | 135 | 40 | 872 |
| Year 2019 | | | | | |
| January | 1,305 | 212 | 168 | 49 | 877 |
| February | 1,139 | 201 | 91 | 44 | 802 |
| March | 1,127 | 202 | 108 | 45 | 772 |
| April | 1,044 | 155 | 104 | 33 | 752 |
| May | 1,001 | 136 | 100 | 34 | 731 |
| June | 1,015 | 177 | 106 | 26 | 706 |
| July | 969 | 186 | 87 | 34 | 662 |
| August | 999 | 208 | 71 | 37 | 682 |
| Sept | 931 | 179 | 60 | 37 | 656 |
| October | 1,060 | 177 | 68 | 33 | 783 |
| November | 1,059 | 177 | 60 | 38 | 784 |
| December | 1,070 | 183 | 69 | 39 | 780 |
| Year 2020 | | | | | |
| January | 1,047 | 164 | 53 | 35 | 795 |
| February | 1,002 | 150 | 51 | 40 | 761 |
| March | 926 | 135 | 40 | 34 | 716 |
| April | 813 | 104 | 41 | 26 | 642 |
| May | 797 | 112 | 50 | 27 | 607 |
| June | 774 | 122 | 54 | 29 | 569 |
| July | 856 | 162 | 52 | 31 | 612 |
| Year to Date | | | | | |
| 2018 | 8,308 | 1,390 | 808 | 301 | 5,808 |
| 2019 | 7,600 | 1,270 | 763 | 266 | 5,302 |
| 2020 | 6,215 | 949 | 341 | 222 | 4,702 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 13,106 | 2,147 | 1,311 | 455 | 9,193 |
| 2020 | 11,334 | 1,873 | 669 | 405 | 8,387 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 1,001,411 | 721,431 | 253,621 | 1,720 | 24,638 |
| 2011 | 956,470 | 689,316 | 243,168 | 1,668 | 22,319 |
| 2012 | 845,066 | 615,467 | 208,085 | 1,450 | 20,065 |
| 2013 | 879,078 | 638,327 | 219,635 | 1,356 | 19,761 |
| 2014 | 871,741 | 625,212 | 226,389 | 1,063 | 19,076 |
| 2015 | 756,226 | 540,538 | 197,906 | 798 | 16,984 |
| 2016 | 693,958 | 499,172 | 179,383 | 683 | 14,720 |
| 2017 | 678,578 | 487,192 | 177,801 | 610 | 12,975 |
| 2018 | 650,027 | 475,885 | 161,332 | 577 | 12,233 |
| 2019 | 551,185 | 400,864 | 138,550 | 526 | 11,244 |
| Year 2018 | | | | | |
| January | 66,279 | 47,999 | 16,961 | 76 | 1,242 |
| February | 47,079 | 34,219 | 11,679 | 59 | 1,122 |
| March | 45,728 | 32,513 | 12,049 | 57 | 1,109 |
| April | 41,610 | 30,538 | 10,065 | 47 | 960 |
| May | 48,374 | 35,435 | 11,921 | 39 | 979 |
| June | 57,159 | 42,687 | 13,467 | 36 | 969 |
| July | 64,895 | 48,467 | 15,427 | 40 | 962 |
| August | 64,801 | 48,047 | 15,763 | 42 | 949 |
| Sept | 54,975 | 40,475 | 13,512 | 45 | 943 |
| October | 49,406 | 35,706 | 12,768 | 42 | 891 |
| November | 52,868 | 38,129 | 13,677 | 47 | 1,015 |
| December | 56,853 | 41,670 | 14,043 | 47 | 1,093 |
| Year 2019 | | | | | |
| January | 57,136 | 41,510 | 14,472 | 58 | 1,095 |
| February | 46,195 | 33,567 | 11,575 | 52 | 1,000 |
| March | 45,165 | 31,874 | 12,292 | 54 | 944 |
| April | 34,476 | 24,636 | 8,884 | 39 | 918 |
| May | 41,062 | 30,356 | 9,754 | 40 | 912 |
| June | 45,289 | 33,659 | 10,717 | 31 | 882 |
| July | 57,031 | 42,419 | 13,704 | 40 | 867 |
| August | 53,511 | 39,827 | 12,757 | 42 | 885 |
| Sept | 48,349 | 35,525 | 11,936 | 42 | 845 |
| October | 38,495 | 27,156 | 10,341 | 38 | 960 |
| November | 42,977 | 30,488 | 11,473 | 44 | 971 |
| December | 41,499 | 29,846 | 10,642 | 46 | 964 |
| Year 2020 | | | | | |
| January | 37,744 | 27,362 | 9,355 | 41 | 986 |
| February | 32,973 | 23,744 | 8,241 | 48 | 940 |
| March | 29,843 | 21,737 | 7,179 | 41 | 887 |
| April | 24,430 | 17,026 | 6,582 | 30 | 792 |
| May | 27,624 | 19,878 | 6,961 | 32 | 753 |
| June | 37,481 | 27,819 | 8,922 | 36 | 704 |
| July | 50,549 | 38,268 | 11,486 | 36 | 759 |
| Year to Date | | | | | |
| 2018 | 371,123 | 271,858 | 91,568 | 354 | 7,343 |
| 2019 | 326,354 | 238,021 | 81,400 | 314 | 6,619 |
| 2020 | 240,644 | 175,834 | 58,726 | 263 | 5,821 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 605,257 | 442,049 | 151,163 | 536 | 11,509 |
| 2020 | 465,475 | 338,677 | 115,876 | 476 | 10,446 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Thousand Barrels)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 40,103 | 30,806 | 8,278 | 164 | 855 |
| 2011 | 27,326 | 20,844 | 5,633 | 133 | 716 |
| 2012 | 22,604 | 17,521 | 4,110 | 272 | 702 |
| 2013 | 23,231 | 16,827 | 5,494 | 328 | 582 |
| 2014 | 31,531 | 19,652 | 10,689 | 451 | 739 |
| 2015 | 28,925 | 18,562 | 9,473 | 249 | 641 |
| 2016 | 22,405 | 16,137 | 5,624 | 108 | 536 |
| 2017 | 21,696 | 15,567 | 5,461 | 191 | 476 |
| 2018 | 28,614 | 18,345 | 9,467 | 269 | 534 |
| 2019 | 20,430 | 14,920 | 4,806 | 245 | 459 |
| Year 2018 | | | | | |
| January | 9,468 | 4,469 | 4,861 | 66 | 72 |
| February | 1,451 | 1,118 | 270 | 14 | 49 |
| March | 1,497 | 1,096 | 348 | 12 | 42 |
| April | 1,601 | 1,169 | 383 | 15 | 34 |
| May | 1,863 | 1,340 | 463 | 18 | 43 |
| June | 1,895 | 1,378 | 464 | 18 | 35 |
| July | 1,753 | 1,216 | 454 | 27 | 56 |
| August | 1,870 | 1,295 | 516 | 24 | 35 |
| Sept | 1,863 | 1,401 | 411 | 18 | 33 |
| October | 1,814 | 1,368 | 390 | 16 | 40 |
| November | 1,799 | 1,281 | 452 | 22 | 45 |
| December | 1,740 | 1,216 | 455 | 20 | 49 |
| Year 2019 | | | | | |
| January | 2,423 | 1,611 | 745 | 23 | 44 |
| February | 1,411 | 1,013 | 343 | 13 | 41 |
| March | 1,449 | 1,072 | 323 | 16 | 39 |
| April | 1,397 | 988 | 348 | 15 | 46 |
| May | 1,653 | 1,227 | 370 | 18 | 37 |
| June | 1,731 | 1,325 | 351 | 18 | 37 |
| July | 1,820 | 1,287 | 475 | 25 | 33 |
| August | 1,892 | 1,448 | 383 | 22 | 39 |
| Sept | 1,661 | 1,261 | 336 | 27 | 37 |
| October | 1,697 | 1,263 | 376 | 24 | 33 |
| November | 1,607 | 1,177 | 369 | 24 | 37 |
| December | 1,690 | 1,248 | 387 | 21 | 35 |
| Year 2020 | | | | | |
| January | 1,711 | 1,385 | 269 | 21 | 34 |
| February | 1,396 | 1,115 | 233 | 12 | 35 |
| March | 1,330 | 947 | 335 | 17 | 32 |
| April | 1,149 | 872 | 236 | 12 | 29 |
| May | 1,260 | 961 | 247 | 20 | 33 |
| June | 1,533 | 1,162 | 319 | 20 | 32 |
| July | 1,720 | 1,267 | 397 | 25 | 32 |
| Year to Date | | | | | |
| 2018 | 19,528 | 11,784 | 7,243 | 170 | 331 |
| 2019 | 11,883 | 8,522 | 2,956 | 127 | 278 |
| 2020 | 10,099 | 7,709 | 2,037 | 126 | 227 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 20,969 | 15,083 | 5,179 | 227 | 481 |
| 2020 | 18,646 | 14,107 | 3,887 | 244 | 408 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Barrels)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 4,866 | 0 | 1,086 | 212 | 3,567 |
| 2011 | 3,826 | 0 | 1,004 | 168 | 2,654 |
| 2012 | 3,097 | 0 | 992 | 122 | 1,984 |
| 2013 | 3,456 | 0 | 1,050 | 498 | 1,908 |
| 2014 | 3,099 | 64 | 1,170 | 216 | 1,650 |
| 2015 | 3,142 | 62 | 1,155 | 282 | 1,643 |
| 2016 | 2,277 | 68 | 245 | 245 | 1,719 |
| 2017 | 2,012 | 72 | 220 | 238 | 1,482 |
| 2018 | 2,614 | 103 | 354 | 350 | 1,807 |
| 2019 | 2,285 | 70 | 250 | 405 | 1,559 |
| Year 2018 | | | | | |
| January | 701 | 58 | 132 | 109 | 402 |
| February | 179 | 4 | 12 | 25 | 138 |
| March | 156 | 3 | 13 | 21 | 118 |
| April | 136 | 3 | 12 | 17 | 104 |
| May | 147 | 4 | 18 | 16 | 109 |
| June | 162 | 5 | 14 | 15 | 128 |
| July | 156 | 3 | 11 | 28 | 114 |
| August | 143 | 4 | 12 | 23 | 104 |
| Sept | 130 | 7 | 15 | 15 | 93 |
| October | 190 | 5 | 16 | 16 | 153 |
| November | 228 | 3 | 20 | 30 | 174 |
| December | 287 | 3 | 80 | 35 | 169 |
| Year 2019 | | | | | |
| January | 375 | 20 | 45 | 45 | 266 |
| February | 186 | 8 | 21 | 27 | 130 |
| March | 172 | 4 | 22 | 29 | 118 |
| April | 160 | 3 | 19 | 17 | 120 |
| May | 267 | 6 | 18 | 120 | 124 |
| June | 143 | 4 | 18 | 13 | 108 |
| July | 120 | 4 | 14 | 25 | 76 |
| August | 151 | 6 | 14 | 23 | 108 |
| Sept | 157 | 4 | 21 | 28 | 104 |
| October | 139 | 4 | 21 | 21 | 93 |
| November | 261 | 4 | 19 | 32 | 206 |
| December | 154 | 4 | 18 | 25 | 107 |
| Year 2020 | | | | | |
| January | 138 | 4 | 11 | 25 | 99 |
| February | 128 | 4 | 11 | 17 | 96 |
| March | 119 | 3 | 13 | 19 | 84 |
| April | 107 | 6 | 14 | 11 | 76 |
| May | 130 | 3 | 14 | 22 | 91 |
| June | 145 | 4 | 14 | 17 | 110 |
| July | 144 | 3 | 17 | 26 | 98 |
| Year to Date | | | | | |
| 2018 | 1,637 | 81 | 212 | 231 | 1,114 |
| 2019 | 1,423 | 48 | 156 | 277 | 941 |
| 2020 | 911 | 26 | 95 | 137 | 653 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 2,399 | 70 | 298 | 396 | 1,635 |
| 2020 | 1,773 | 48 | 189 | 265 | 1,270 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Barrels)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 44,968 | 30,806 | 9,364 | 376 | 4,422 |
| 2011 | 31,152 | 20,844 | 6,637 | 301 | 3,370 |
| 2012 | 25,702 | 17,521 | 5,102 | 394 | 2,685 |
| 2013 | 26,687 | 16,827 | 6,544 | 826 | 2,490 |
| 2014 | 34,630 | 19,716 | 11,859 | 667 | 2,389 |
| 2015 | 32,067 | 18,624 | 10,629 | 531 | 2,283 |
| 2016 | 24,682 | 16,205 | 5,869 | 352 | 2,255 |
| 2017 | 23,708 | 15,640 | 5,681 | 429 | 1,958 |
| 2018 | 31,228 | 18,448 | 9,820 | 619 | 2,341 |
| 2019 | 22,715 | 14,990 | 5,056 | 650 | 2,018 |
| Year 2018 | | | | | |
| January | 10,169 | 4,527 | 4,993 | 175 | 474 |
| February | 1,630 | 1,122 | 282 | 39 | 187 |
| March | 1,653 | 1,099 | 361 | 33 | 160 |
| April | 1,738 | 1,172 | 395 | 32 | 138 |
| May | 2,010 | 1,343 | 480 | 34 | 152 |
| June | 2,057 | 1,383 | 478 | 33 | 164 |
| July | 1,909 | 1,219 | 465 | 55 | 170 |
| August | 2,012 | 1,298 | 528 | 46 | 140 |
| Sept | 1,993 | 1,407 | 426 | 34 | 127 |
| October | 2,003 | 1,373 | 406 | 31 | 193 |
| November | 2,027 | 1,284 | 472 | 52 | 219 |
| December | 2,027 | 1,220 | 534 | 55 | 218 |
| Year 2019 | | | | | |
| January | 2,798 | 1,630 | 790 | 68 | 310 |
| February | 1,597 | 1,021 | 365 | 40 | 171 |
| March | 1,621 | 1,076 | 344 | 44 | 156 |
| April | 1,557 | 991 | 367 | 33 | 166 |
| May | 1,920 | 1,233 | 388 | 138 | 161 |
| June | 1,874 | 1,328 | 369 | 31 | 146 |
| July | 1,939 | 1,291 | 489 | 50 | 109 |
| August | 2,042 | 1,454 | 397 | 45 | 147 |
| Sept | 1,818 | 1,265 | 357 | 56 | 140 |
| October | 1,836 | 1,267 | 398 | 45 | 126 |
| November | 1,869 | 1,181 | 388 | 55 | 243 |
| December | 1,845 | 1,252 | 405 | 46 | 142 |
| Year 2020 | | | | | |
| January | 1,849 | 1,389 | 281 | 46 | 133 |
| February | 1,524 | 1,119 | 244 | 29 | 132 |
| March | 1,449 | 949 | 348 | 36 | 116 |
| April | 1,256 | 878 | 251 | 23 | 104 |
| May | 1,390 | 964 | 261 | 42 | 123 |
| June | 1,677 | 1,166 | 333 | 37 | 142 |
| July | 1,864 | 1,270 | 414 | 50 | 130 |
| Year to Date | | | | | |
| 2018 | 21,165 | 11,865 | 7,455 | 401 | 1,445 |
| 2019 | 13,306 | 8,571 | 3,112 | 404 | 1,219 |
| 2020 | 11,010 | 7,735 | 2,132 | 263 | 879 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 23,368 | 15,153 | 5,477 | 622 | 2,115 |
| 2020 | 20,419 | 14,155 | 4,076 | 509 | 1,678 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 4,994 | 3,325 | 1,354 | 2 | 313 |
| 2011 | 5,012 | 3,449 | 1,277 | 1 | 286 |
| 2012 | 3,675 | 2,105 | 756 | 1 | 812 |
| 2013 | 4,852 | 3,409 | 779 | 1 | 662 |
| 2014 | 4,412 | 3,440 | 599 | 2 | 371 |
| 2015 | 4,044 | 3,120 | 669 | 2 | 253 |
| 2016 | 4,253 | 3,427 | 591 | 2 | 233 |
| 2017 | 3,490 | 2,731 | 542 | 3 | 214 |
| 2018 | 3,623 | 2,740 | 704 | 2 | 177 |
| 2019 | 2,806 | 2,067 | 556 | 1 | 182 |
| Year 2018 | | | | | |
| January | 377 | 296 | 67 | 0 | 14 |
| February | 305 | 234 | 60 | 0 | 11 |
| March | 255 | 198 | 43 | 0 | 13 |
| April | 271 | 193 | 63 | 0 | 15 |
| May | 212 | 140 | 58 | 0 | 14 |
| June | 338 | 269 | 51 | 0 | 18 |
| July | 367 | 284 | 66 | 0 | 17 |
| August | 352 | 272 | 66 | 0 | 15 |
| Sept | 325 | 259 | 50 | 0 | 15 |
| October | 229 | 158 | 54 | 0 | 16 |
| November | 271 | 196 | 63 | 0 | 13 |
| December | 321 | 241 | 65 | 0 | 16 |
| Year 2019 | | | | | |
| January | 329 | 258 | 56 | 0 | 14 |
| February | 283 | 222 | 50 | 0 | 11 |
| March | 266 | 193 | 60 | 0 | 13 |
| April | 182 | 107 | 60 | 0 | 15 |
| May | 298 | 219 | 63 | 0 | 15 |
| June | 218 | 151 | 53 | 0 | 14 |
| July | 314 | 227 | 61 | 0 | 25 |
| August | 278 | 203 | 59 | 0 | 15 |
| Sept | 259 | 183 | 59 | 0 | 17 |
| October | 82 | 64 | 3 | 0 | 14 |
| November | 130 | 101 | 15 | 0 | 14 |
| December | 167 | 137 | 16 | 0 | 15 |
| Year 2020 | | | | | |
| January | 285 | 204 | 66 | 0 | 15 |
| February | 174 | 147 | 14 | 0 | 13 |
| March | 273 | 210 | 50 | 0 | 13 |
| April | 230 | 179 | 43 | 0 | 8 |
| May | 248 | 183 | 54 | 0 | 11 |
| June | 329 | 258 | 58 | 0 | 14 |
| July | 346 | 270 | 62 | 0 | 14 |
| Year to Date | | | | | |
| 2018 | 2,125 | 1,614 | 407 | 1 | 103 |
| 2019 | 1,890 | 1,379 | 403 | 1 | 107 |
| 2020 | 1,885 | 1,451 | 346 | 1 | 88 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 3,388 | 2,505 | 700 | 2 | 181 |
| 2020 | 2,801 | 2,139 | 499 | 1 | 162 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 1,059 | 0 | 98 | 11 | 950 |
| 2011 | 1,080 | 0 | 112 | 6 | 962 |
| 2012 | 1,346 | 0 | 113 | 11 | 1,222 |
| 2013 | 1,486 | 0 | 96 | 11 | 1,379 |
| 2014 | 1,283 | 3 | 90 | 16 | 1,174 |
| 2015 | 1,144 | 9 | 109 | 16 | 1,010 |
| 2016 | 1,099 | 6 | 113 | 9 | 971 |
| 2017 | 977 | 11 | 115 | 15 | 836 |
| 2018 | 929 | 12 | 93 | 10 | 814 |
| 2019 | 865 | 17 | 93 | 6 | 750 |
| Year 2018 | | | | | |
| January | 88 | 1 | 9 | 2 | 76 |
| February | 78 | 1 | 8 | 2 | 67 |
| March | 72 | 1 | 9 | 1 | 61 |
| April | 83 | 1 | 10 | 1 | 71 |
| May | 70 | 1 | 6 | 0 | 63 |
| June | 75 | 1 | 1 | 0 | 73 |
| July | 81 | 1 | 9 | 0 | 71 |
| August | 77 | 1 | 9 | 0 | 66 |
| Sept | 74 | 1 | 7 | 1 | 65 |
| October | 77 | 0 | 9 | 1 | 67 |
| November | 71 | 1 | 8 | 2 | 61 |
| December | 83 | 1 | 8 | 2 | 72 |
| Year 2019 | | | | | |
| January | 74 | 1 | 8 | 2 | 63 |
| February | 65 | 1 | 8 | 1 | 55 |
| March | 77 | 1 | 9 | 1 | 66 |
| April | 75 | 2 | 9 | 1 | 63 |
| May | 78 | 1 | 9 | 0 | 69 |
| June | 73 | 1 | 7 | 0 | 65 |
| July | 79 | 2 | 8 | 0 | 69 |
| August | 71 | 0 | 8 | 0 | 63 |
| Sept | 91 | 2 | 7 | 0 | 82 |
| October | 59 | 1 | 2 | 0 | 56 |
| November | 52 | 2 | 9 | 0 | 41 |
| December | 70 | 2 | 9 | 1 | 58 |
| Year 2020 | | | | | |
| January | 78 | 1 | 9 | 2 | 65 |
| February | 48 | 1 | 9 | 1 | 36 |
| March | 41 | 1 | 9 | 0 | 31 |
| April | 33 | 3 | 8 | 0 | 23 |
| May | 63 | 3 | 8 | 0 | 52 |
| June | 74 | 1 | 6 | 0 | 67 |
| July | 71 | 1 | 7 | 0 | 64 |
| Year to Date | | | | | |
| 2018 | 547 | 8 | 52 | 5 | 482 |
| 2019 | 522 | 10 | 57 | 5 | 450 |
| 2020 | 409 | 11 | 56 | 3 | 338 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 904 | 14 | 98 | 10 | 781 |
| 2020 | 752 | 18 | 92 | 4 | 639 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 6,053 | 3,325 | 1,452 | 12 | 1,264 |
| 2011 | 6,092 | 3,449 | 1,388 | 6 | 1,248 |
| 2012 | 5,021 | 2,105 | 869 | 13 | 2,034 |
| 2013 | 6,338 | 3,409 | 875 | 12 | 2,041 |
| 2014 | 5,695 | 3,443 | 689 | 18 | 1,545 |
| 2015 | 5,188 | 3,128 | 779 | 18 | 1,263 |
| 2016 | 5,352 | 3,433 | 705 | 10 | 1,204 |
| 2017 | 4,467 | 2,742 | 657 | 17 | 1,050 |
| 2018 | 4,552 | 2,752 | 797 | 12 | 991 |
| 2019 | 3,671 | 2,083 | 649 | 7 | 932 |
| Year 2018 | | | | | |
| January | 466 | 297 | 76 | 2 | 90 |
| February | 382 | 235 | 68 | 2 | 78 |
| March | 327 | 199 | 52 | 2 | 74 |
| April | 354 | 195 | 72 | 1 | 86 |
| May | 281 | 141 | 63 | 0 | 77 |
| June | 413 | 270 | 52 | 0 | 91 |
| July | 448 | 285 | 75 | 0 | 88 |
| August | 429 | 273 | 75 | 0 | 81 |
| Sept | 399 | 260 | 58 | 1 | 80 |
| October | 306 | 159 | 63 | 1 | 83 |
| November | 342 | 196 | 70 | 2 | 74 |
| December | 404 | 242 | 73 | 2 | 88 |
| Year 2019 | | | | | |
| January | 402 | 260 | 64 | 2 | 77 |
| February | 348 | 224 | 58 | 1 | 66 |
| March | 343 | 194 | 68 | 2 | 79 |
| April | 257 | 110 | 69 | 1 | 78 |
| May | 376 | 220 | 72 | 0 | 84 |
| June | 291 | 152 | 60 | 0 | 79 |
| July | 393 | 230 | 69 | 0 | 95 |
| August | 349 | 203 | 68 | 0 | 78 |
| Sept | 350 | 185 | 67 | 0 | 98 |
| October | 141 | 65 | 5 | 0 | 70 |
| November | 182 | 102 | 24 | 0 | 56 |
| December | 237 | 139 | 25 | 1 | 73 |
| Year 2020 | | | | | |
| January | 363 | 205 | 76 | 2 | 80 |
| February | 222 | 148 | 23 | 1 | 50 |
| March | 314 | 211 | 59 | 0 | 44 |
| April | 263 | 182 | 50 | 0 | 31 |
| May | 311 | 187 | 62 | 0 | 62 |
| June | 403 | 258 | 64 | 0 | 81 |
| July | 417 | 271 | 69 | 0 | 78 |
| Year to Date | | | | | |
| 2018 | 2,672 | 1,622 | 458 | 6 | 585 |
| 2019 | 2,412 | 1,389 | 460 | 7 | 557 |
| 2020 | 2,294 | 1,462 | 402 | 4 | 426 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 4,292 | 2,519 | 799 | 12 | 962 |
| 2020 | 3,553 | 2,156 | 591 | 5 | 801 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Million Cubic Feet)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 7,680,185 | 3,290,993 | 3,794,423 | 39,462 | 555,307 |
| 2011 | 7,883,865 | 3,446,087 | 3,819,107 | 47,170 | 571,501 |
| 2012 | 9,484,710 | 4,101,927 | 4,686,260 | 63,116 | 633,407 |
| 2013 | 8,596,299 | 3,970,447 | 3,917,131 | 66,570 | 642,152 |
| 2014 | 8,544,387 | 3,895,008 | 3,954,032 | 71,957 | 623,390 |
| 2015 | 10,016,576 | 4,745,255 | 4,576,683 | 70,092 | 624,545 |
| 2016 | 10,170,110 | 5,018,894 | 4,571,375 | 46,304 | 533,537 |
| 2017 | 9,508,062 | 4,754,893 | 4,161,984 | 50,060 | 541,126 |
| 2018 | 10,833,043 | 5,551,181 | 4,663,935 | 52,650 | 565,276 |
| 2019 | 11,550,825 | 5,958,855 | 4,958,970 | 53,622 | 579,377 |
| Year 2018 | | | | | |
| January | 805,929 | 425,891 | 327,351 | 4,145 | 48,542 |
| February | 706,517 | 363,824 | 296,296 | 3,886 | 42,511 |
| March | 772,448 | 395,826 | 329,151 | 4,071 | 43,400 |
| April | 722,667 | 372,401 | 303,383 | 3,616 | 43,268 |
| May | 868,518 | 459,568 | 359,038 | 4,201 | 45,712 |
| June | 973,956 | 520,305 | 402,054 | 4,633 | 46,963 |
| July | 1,245,648 | 639,299 | 549,546 | 5,518 | 51,285 |
| August | 1,208,900 | 605,610 | 546,123 | 5,593 | 51,575 |
| Sept | 1,051,922 | 530,570 | 468,776 | 4,838 | 47,737 |
| October | 909,338 | 457,374 | 400,338 | 4,290 | 47,335 |
| November | 784,673 | 395,480 | 337,321 | 3,760 | 48,112 |
| December | 782,527 | 385,034 | 344,559 | 4,098 | 48,836 |
| Year 2019 | | | | | |
| January | 860,020 | 432,058 | 372,463 | 4,517 | 50,981 |
| February | 793,583 | 406,415 | 338,912 | 4,129 | 44,128 |
| March | 815,951 | 415,407 | 349,668 | 4,332 | 46,544 |
| April | 755,102 | 392,685 | 313,252 | 4,039 | 45,126 |
| May | 852,486 | 449,520 | 351,859 | 4,218 | 46,890 |
| June | 1,012,529 | 537,372 | 423,972 | 4,355 | 46,829 |
| July | 1,294,629 | 673,371 | 565,943 | 5,002 | 50,313 |
| August | 1,308,612 | 687,844 | 564,762 | 5,152 | 50,854 |
| Sept | 1,115,418 | 581,736 | 481,039 | 4,665 | 47,978 |
| October | 981,373 | 509,470 | 419,699 | 4,351 | 47,854 |
| November | 842,003 | 421,378 | 366,242 | 4,309 | 50,074 |
| December | 919,118 | 451,599 | 411,160 | 4,552 | 51,807 |
| Year 2020 | | | | | |
| January | 952,082 | 484,401 | 410,175 | 4,610 | 52,896 |
| February | 902,594 | 471,058 | 379,128 | 4,138 | 48,271 |
| March | 899,962 | 475,282 | 371,903 | 4,021 | 48,756 |
| April | 780,120 | 416,058 | 317,179 | 3,526 | 43,357 |
| May | 849,293 | 457,548 | 343,154 | 3,743 | 44,847 |
| June | 1,067,313 | 558,868 | 455,032 | 4,206 | 49,207 |
| July | 1,395,122 | 717,125 | 621,023 | 4,922 | 52,052 |
| Year to Date | | | | | |
| 2018 | 6,095,683 | 3,177,114 | 2,566,819 | 30,070 | 321,681 |
| 2019 | 6,384,300 | 3,306,828 | 2,716,069 | 30,593 | 330,810 |
| 2020 | 6,846,486 | 3,580,340 | 2,897,594 | 29,166 | 339,387 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 11,121,659 | 5,680,896 | 4,813,185 | 53,173 | 574,405 |
| 2020 | 12,013,011 | 6,232,367 | 5,140,496 | 52,195 | 587,954 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Million Cubic Feet)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 821,775 | 0 | 301,769 | 46,324 | 473,683 |
| 2011 | 839,681 | 0 | 308,669 | 39,856 | 491,155 |
| 2012 | 886,103 | 0 | 322,607 | 47,883 | 515,613 |
| 2013 | 882,385 | 0 | 303,177 | 51,057 | 528,151 |
| 2014 | 865,146 | 4,926 | 292,016 | 46,635 | 521,569 |
| 2015 | 935,098 | 8,060 | 283,372 | 46,287 | 597,379 |
| 2016 | 1,151,866 | 38,096 | 356,905 | 80,943 | 675,922 |
| 2017 | 1,168,544 | 38,740 | 309,949 | 104,324 | 715,532 |
| 2018 | 1,205,962 | 43,156 | 331,952 | 81,856 | 748,997 |
| 2019 | 1,239,527 | 46,793 | 342,807 | 80,544 | 769,383 |
| Year 2018 | | | | | |
| January | 107,213 | 3,929 | 28,934 | 7,417 | 66,933 |
| February | 94,793 | 3,366 | 26,629 | 6,706 | 58,093 |
| March | 100,213 | 3,557 | 28,088 | 6,844 | 61,724 |
| April | 92,932 | 2,942 | 25,265 | 6,133 | 58,592 |
| May | 94,707 | 3,306 | 26,238 | 6,099 | 59,064 |
| June | 97,016 | 3,642 | 26,642 | 6,537 | 60,196 |
| July | 107,003 | 4,484 | 30,339 | 7,649 | 64,531 |
| August | 105,929 | 4,079 | 29,861 | 7,691 | 64,297 |
| Sept | 99,289 | 3,479 | 27,089 | 6,581 | 62,140 |
| October | 99,045 | 3,013 | 27,218 | 6,411 | 62,402 |
| November | 101,846 | 3,185 | 27,080 | 6,829 | 64,751 |
| December | 105,976 | 4,174 | 28,570 | 6,959 | 66,273 |
| Year 2019 | | | | | |
| January | 113,278 | 3,993 | 32,023 | 7,638 | 69,624 |
| February | 100,217 | 3,790 | 27,223 | 6,884 | 62,320 |
| March | 104,850 | 3,703 | 29,358 | 6,896 | 64,893 |
| April | 97,156 | 3,166 | 26,595 | 6,151 | 61,245 |
| May | 98,314 | 3,375 | 26,480 | 6,008 | 62,449 |
| June | 99,519 | 4,099 | 27,809 | 6,327 | 61,285 |
| July | 104,637 | 4,806 | 29,104 | 6,792 | 63,934 |
| August | 106,122 | 4,697 | 30,997 | 6,667 | 63,761 |
| Sept | 99,954 | 4,233 | 27,779 | 6,336 | 61,606 |
| October | 99,767 | 3,232 | 27,473 | 6,369 | 62,694 |
| November | 104,425 | 3,738 | 28,110 | 6,983 | 65,595 |
| December | 111,289 | 3,963 | 29,855 | 7,494 | 69,977 |
| Year 2020 | | | | | |
| January | 113,337 | 4,083 | 31,051 | 7,474 | 70,729 |
| February | 103,523 | 3,835 | 28,827 | 6,849 | 64,012 |
| March | 105,716 | 3,947 | 29,648 | 6,685 | 65,436 |
| April | 99,410 | 3,865 | 26,816 | 5,990 | 62,740 |
| May | 100,313 | 3,752 | 27,973 | 6,014 | 62,574 |
| June | 99,427 | 4,113 | 28,725 | 6,063 | 60,526 |
| July | 106,597 | 4,930 | 30,967 | 6,770 | 63,931 |
| Year to Date | | | | | |
| 2018 | 693,878 | 25,226 | 192,134 | 47,385 | 429,134 |
| 2019 | 717,970 | 26,931 | 198,592 | 46,696 | 445,750 |
| 2020 | 728,323 | 28,524 | 204,006 | 45,845 | 449,948 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 1,230,054 | 44,862 | 338,411 | 81,168 | 765,614 |
| 2020 | 1,249,880 | 48,386 | 348,221 | 79,693 | 773,581 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Million Cubic Feet)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 8,501,960 | 3,290,993 | 4,096,192 | 85,786 | 1,028,990 |
| 2011 | 8,723,546 | 3,446,087 | 4,127,777 | 87,026 | 1,062,657 |
| 2012 | 10,370,812 | 4,101,927 | 5,008,867 | 110,999 | 1,149,020 |
| 2013 | 9,478,685 | 3,970,447 | 4,220,309 | 117,626 | 1,170,303 |
| 2014 | 9,409,532 | 3,899,934 | 4,246,048 | 118,591 | 1,144,959 |
| 2015 | 10,951,674 | 4,753,315 | 4,860,055 | 116,380 | 1,221,924 |
| 2016 | 11,321,975 | 5,056,990 | 4,928,280 | 127,246 | 1,209,459 |
| 2017 | 10,676,606 | 4,793,632 | 4,471,933 | 154,383 | 1,256,658 |
| 2018 | 12,039,005 | 5,594,338 | 4,995,888 | 134,507 | 1,314,273 |
| 2019 | 12,790,352 | 6,005,649 | 5,301,778 | 134,166 | 1,348,760 |
| Year 2018 | | | | | |
| January | 913,142 | 429,820 | 356,285 | 11,562 | 115,475 |
| February | 801,310 | 367,190 | 322,924 | 10,592 | 100,604 |
| March | 872,661 | 399,383 | 357,239 | 10,914 | 105,124 |
| April | 815,600 | 375,343 | 328,647 | 9,750 | 101,860 |
| May | 963,226 | 462,873 | 385,276 | 10,300 | 104,776 |
| June | 1,070,972 | 523,947 | 428,696 | 11,170 | 107,159 |
| July | 1,352,652 | 643,783 | 579,885 | 13,167 | 115,816 |
| August | 1,314,829 | 609,689 | 575,984 | 13,285 | 115,872 |
| Sept | 1,151,210 | 534,049 | 495,866 | 11,419 | 109,877 |
| October | 1,008,383 | 460,387 | 427,556 | 10,702 | 109,738 |
| November | 886,519 | 398,665 | 364,401 | 10,589 | 112,863 |
| December | 888,503 | 389,208 | 373,128 | 11,058 | 115,109 |
| Year 2019 | | | | | |
| January | 973,298 | 436,051 | 404,486 | 12,155 | 120,605 |
| February | 893,800 | 410,205 | 366,134 | 11,013 | 106,448 |
| March | 920,801 | 419,110 | 379,026 | 11,228 | 111,438 |
| April | 852,258 | 395,850 | 339,847 | 10,190 | 106,371 |
| May | 950,800 | 452,895 | 378,339 | 10,226 | 109,339 |
| June | 1,112,048 | 541,471 | 451,782 | 10,682 | 108,113 |
| July | 1,399,265 | 678,178 | 595,047 | 11,794 | 114,247 |
| August | 1,414,734 | 692,541 | 595,760 | 11,819 | 114,615 |
| Sept | 1,215,372 | 585,969 | 508,818 | 11,001 | 109,584 |
| October | 1,081,140 | 512,701 | 447,172 | 10,720 | 110,547 |
| November | 946,429 | 425,116 | 394,352 | 11,292 | 115,669 |
| December | 1,030,408 | 455,562 | 441,015 | 12,046 | 121,785 |
| Year 2020 | | | | | |
| January | 1,065,419 | 488,484 | 441,227 | 12,084 | 123,625 |
| February | 1,006,117 | 474,894 | 407,955 | 10,987 | 112,283 |
| March | 1,005,678 | 479,229 | 401,550 | 10,706 | 114,193 |
| April | 879,530 | 419,923 | 343,995 | 9,516 | 106,097 |
| May | 949,606 | 461,300 | 371,127 | 9,758 | 107,422 |
| June | 1,166,739 | 562,981 | 483,756 | 10,268 | 109,734 |
| July | 1,501,719 | 722,054 | 651,990 | 11,692 | 115,983 |
| Year to Date | | | | | |
| 2018 | 6,789,562 | 3,202,339 | 2,758,953 | 77,455 | 750,815 |
| 2019 | 7,102,270 | 3,333,760 | 2,914,661 | 77,289 | 776,560 |
| 2020 | 7,574,809 | 3,608,863 | 3,101,600 | 75,011 | 789,335 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 12,351,713 | 5,725,758 | 5,151,596 | 134,341 | 1,340,019 |
| 2020 | 13,262,891 | 6,280,752 | 5,488,717 | 131,888 | 1,361,535 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Million Cubic Feet)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 218,331 | 19,975 | 192,428 | 5,535 | 393 |
| 2011 | 232,795 | 22,086 | 180,856 | 29,469 | 384 |
| 2012 | 256,376 | 25,193 | 201,965 | 26,672 | 2,545 |
| 2013 | 271,967 | 27,259 | 211,942 | 28,143 | 4,623 |
| 2014 | 285,982 | 25,819 | 228,447 | 27,038 | 4,678 |
| 2015 | 282,530 | 25,257 | 227,381 | 25,250 | 4,642 |
| 2016 | 273,557 | 24,280 | 224,993 | 20,445 | 3,839 |
| 2017 | 278,112 | 25,074 | 229,050 | 20,121 | 3,866 |
| 2018 | 270,235 | 23,580 | 223,513 | 19,790 | 3,352 |
| 2019 | 241,156 | 19,107 | 204,005 | 15,145 | 2,898 |
| Year 2018 | | | | | |
| January | 23,568 | 2,389 | 19,205 | 1,673 | 301 |
| February | 22,069 | 2,186 | 17,993 | 1,576 | 314 |
| March | 23,672 | 2,377 | 19,280 | 1,692 | 324 |
| April | 22,281 | 2,159 | 18,159 | 1,633 | 330 |
| May | 22,748 | 2,125 | 18,722 | 1,609 | 291 |
| June | 21,854 | 1,777 | 18,189 | 1,607 | 281 |
| July | 22,507 | 1,817 | 18,773 | 1,651 | 266 |
| August | 23,061 | 1,739 | 19,377 | 1,696 | 249 |
| Sept | 20,472 | 1,604 | 17,004 | 1,643 | 222 |
| October | 22,360 | 1,779 | 18,634 | 1,687 | 259 |
| November | 22,405 | 1,812 | 18,708 | 1,630 | 255 |
| December | 23,237 | 1,815 | 19,468 | 1,695 | 259 |
| Year 2019 | | | | | |
| January | 20,524 | 1,599 | 17,016 | 1,651 | 259 |
| February | 18,832 | 1,462 | 15,686 | 1,448 | 237 |
| March | 21,461 | 1,750 | 17,858 | 1,578 | 275 |
| April | 19,036 | 1,540 | 16,347 | 902 | 247 |
| May | 19,116 | 1,596 | 16,802 | 503 | 214 |
| June | 19,846 | 1,544 | 17,003 | 1,084 | 216 |
| July | 20,607 | 1,593 | 17,528 | 1,277 | 209 |
| August | 20,901 | 1,621 | 17,778 | 1,280 | 223 |
| Sept | 19,765 | 1,592 | 16,684 | 1,266 | 224 |
| October | 20,270 | 1,605 | 17,015 | 1,386 | 264 |
| November | 19,995 | 1,576 | 16,752 | 1,408 | 258 |
| December | 20,803 | 1,629 | 17,537 | 1,364 | 273 |
| Year 2020 | | | | | |
| January | 20,771 | 1,641 | 17,491 | 1,361 | 278 |
| February | 19,269 | 1,556 | 16,106 | 1,349 | 259 |
| March | 20,895 | 1,747 | 17,464 | 1,431 | 253 |
| April | 19,656 | 1,626 | 16,622 | 1,203 | 205 |
| May | 19,908 | 1,640 | 16,965 | 1,144 | 160 |
| June | 18,336 | 1,539 | 15,372 | 1,236 | 189 |
| July | 19,326 | 1,638 | 16,149 | 1,339 | 199 |
| Year to Date | | | | | |
| 2018 | 158,700 | 14,830 | 130,322 | 11,440 | 2,107 |
| 2019 | 139,422 | 11,084 | 118,240 | 8,442 | 1,656 |
| 2020 | 138,162 | 11,387 | 116,168 | 9,063 | 1,544 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 250,957 | 19,833 | 211,431 | 16,792 | 2,901 |
| 2020 | 239,896 | 19,410 | 201,934 | 15,766 | 2,786 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Million Cubic Feet)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 1,623 | 0 | 1,195 | 370 | 58 |
| 2011 | 3,195 | 0 | 2,753 | 351 | 91 |
| 2012 | 3,189 | 0 | 2,788 | 340 | 61 |
| 2013 | 831 | 0 | 261 | 423 | 147 |
| 2014 | 1,710 | 176 | 525 | 674 | 335 |
| 2015 | 1,522 | 2 | 644 | 515 | 362 |
| 2016 | 4,163 | 3 | 2,339 | 1,034 | 788 |
| 2017 | 3,940 | 2 | 1,948 | 1,099 | 891 |
| 2018 | 3,621 | 0 | 1,867 | 911 | 843 |
| 2019 | 3,646 | 0 | 1,993 | 820 | 833 |
| Year 2018 | | | | | |
| January | 321 | 0 | 176 | 68 | 77 |
| February | 320 | 0 | 165 | 79 | 77 |
| March | 340 | 0 | 175 | 82 | 83 |
| April | 335 | 0 | 164 | 85 | 86 |
| May | 285 | 0 | 140 | 71 | 74 |
| June | 259 | 0 | 146 | 46 | 68 |
| July | 278 | 0 | 139 | 76 | 64 |
| August | 302 | 0 | 157 | 82 | 63 |
| Sept | 290 | 0 | 150 | 82 | 58 |
| October | 334 | 0 | 170 | 95 | 69 |
| November | 276 | 0 | 134 | 73 | 68 |
| December | 280 | 0 | 152 | 71 | 57 |
| Year 2019 | | | | | |
| January | 377 | 0 | 222 | 84 | 71 |
| February | 347 | 0 | 217 | 67 | 62 |
| March | 391 | 0 | 233 | 80 | 78 |
| April | 366 | 0 | 186 | 102 | 77 |
| May | 214 | 0 | 79 | 64 | 71 |
| June | 242 | 0 | 108 | 77 | 57 |
| July | 259 | 0 | 144 | 42 | 73 |
| August | 240 | 0 | 103 | 73 | 64 |
| Sept | 240 | 0 | 102 | 74 | 64 |
| October | 335 | 0 | 184 | 77 | 74 |
| November | 343 | 0 | 208 | 59 | 76 |
| December | 292 | 0 | 207 | 21 | 65 |
| Year 2020 | | | | | |
| January | 351 | 0 | 237 | 36 | 78 |
| February | 373 | 0 | 233 | 65 | 74 |
| March | 305 | 0 | 161 | 73 | 71 |
| April | 194 | 0 | 60 | 70 | 64 |
| May | 214 | 0 | 107 | 54 | 53 |
| June | 271 | 0 | 145 | 65 | 60 |
| July | 299 | 0 | 165 | 76 | 58 |
| Year to Date | | | | | |
| 2018 | 2,139 | 0 | 1,104 | 507 | 528 |
| 2019 | 2,196 | 0 | 1,190 | 516 | 490 |
| 2020 | 2,006 | 0 | 1,108 | 439 | 459 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 3,678 | 0 | 1,952 | 920 | 805 |
| 2020 | 3,456 | 0 | 1,911 | 743 | 802 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Million Cubic Feet)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 219,954 | 19,975 | 193,623 | 5,905 | 451 |
| 2011 | 235,990 | 22,086 | 183,609 | 29,820 | 474 |
| 2012 | 259,564 | 25,193 | 204,753 | 27,012 | 2,606 |
| 2013 | 272,798 | 27,259 | 212,203 | 28,566 | 4,770 |
| 2014 | 287,692 | 25,995 | 228,971 | 27,713 | 5,013 |
| 2015 | 284,052 | 25,259 | 228,024 | 25,765 | 5,004 |
| 2016 | 277,720 | 24,283 | 227,332 | 21,479 | 4,626 |
| 2017 | 282,051 | 25,076 | 230,998 | 21,220 | 4,757 |
| 2018 | 273,856 | 23,580 | 225,380 | 20,701 | 4,196 |
| 2019 | 244,801 | 19,107 | 205,998 | 15,965 | 3,731 |
| Year 2018 | | | | | |
| January | 23,890 | 2,389 | 19,382 | 1,741 | 378 |
| February | 22,390 | 2,186 | 18,158 | 1,655 | 390 |
| March | 24,012 | 2,377 | 19,455 | 1,774 | 407 |
| April | 22,616 | 2,159 | 18,323 | 1,718 | 416 |
| May | 23,033 | 2,125 | 18,862 | 1,680 | 366 |
| June | 22,113 | 1,777 | 18,335 | 1,652 | 349 |
| July | 22,785 | 1,817 | 18,912 | 1,726 | 330 |
| August | 23,363 | 1,739 | 19,534 | 1,778 | 313 |
| Sept | 20,763 | 1,604 | 17,154 | 1,725 | 280 |
| October | 22,694 | 1,779 | 18,804 | 1,783 | 328 |
| November | 22,681 | 1,812 | 18,842 | 1,703 | 324 |
| December | 23,516 | 1,815 | 19,620 | 1,766 | 316 |
| Year 2019 | | | | | |
| January | 20,901 | 1,599 | 17,238 | 1,734 | 330 |
| February | 19,180 | 1,462 | 15,903 | 1,515 | 299 |
| March | 21,852 | 1,750 | 18,091 | 1,658 | 353 |
| April | 19,401 | 1,540 | 16,533 | 1,004 | 324 |
| May | 19,329 | 1,596 | 16,881 | 567 | 285 |
| June | 20,089 | 1,544 | 17,112 | 1,161 | 272 |
| July | 20,866 | 1,593 | 17,672 | 1,319 | 282 |
| August | 21,141 | 1,621 | 17,881 | 1,353 | 287 |
| Sept | 20,005 | 1,592 | 16,786 | 1,340 | 288 |
| October | 20,604 | 1,605 | 17,198 | 1,463 | 337 |
| November | 20,338 | 1,576 | 16,961 | 1,467 | 334 |
| December | 21,095 | 1,629 | 17,744 | 1,384 | 338 |
| Year 2020 | | | | | |
| January | 21,123 | 1,641 | 17,728 | 1,397 | 356 |
| February | 19,642 | 1,556 | 16,339 | 1,414 | 334 |
| March | 21,200 | 1,747 | 17,624 | 1,503 | 325 |
| April | 19,850 | 1,626 | 16,681 | 1,273 | 270 |
| May | 20,122 | 1,640 | 17,072 | 1,198 | 213 |
| June | 18,607 | 1,539 | 15,517 | 1,301 | 250 |
| July | 19,625 | 1,638 | 16,314 | 1,416 | 257 |
| Year to Date | | | | | |
| 2018 | 160,839 | 14,830 | 131,427 | 11,946 | 2,635 |
| 2019 | 141,617 | 11,084 | 119,430 | 8,958 | 2,146 |
| 2020 | 140,168 | 11,387 | 117,276 | 9,502 | 2,004 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 254,634 | 19,833 | 213,383 | 17,712 | 3,706 |
| 2020 | 243,352 | 19,410 | 203,844 | 16,509 | 3,589 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 19,437 | 402 | 16,802 | 2,233 | 0 |
| 2011 | 16,972 | 388 | 14,625 | 1,955 | 4 |
| 2012 | 16,968 | 418 | 14,235 | 2,304 | 12 |
| 2013 | 17,007 | 456 | 14,057 | 2,485 | 8 |
| 2014 | 16,706 | 444 | 13,809 | 2,447 | 6 |
| 2015 | 16,631 | 452 | 13,797 | 2,375 | 8 |
| 2016 | 16,994 | 464 | 13,953 | 2,566 | 11 |
| 2017 | 16,348 | 422 | 13,381 | 2,537 | 8 |
| 2018 | 16,783 | 467 | 13,859 | 2,448 | 9 |
| 2019 | 15,333 | 297 | 12,821 | 2,204 | 10 |
| Year 2018 | | | | | |
| January | 1,370 | 28 | 1,147 | 195 | 0 |
| February | 1,297 | 26 | 1,090 | 180 | 1 |
| March | 1,398 | 40 | 1,153 | 204 | 1 |
| April | 1,356 | 38 | 1,117 | 200 | 1 |
| May | 1,419 | 43 | 1,158 | 217 | 1 |
| June | 1,476 | 42 | 1,218 | 214 | 1 |
| July | 1,479 | 48 | 1,224 | 207 | 1 |
| August | 1,483 | 47 | 1,220 | 215 | 1 |
| Sept | 1,334 | 36 | 1,097 | 199 | 1 |
| October | 1,387 | 43 | 1,140 | 205 | 0 |
| November | 1,369 | 39 | 1,127 | 202 | 0 |
| December | 1,416 | 37 | 1,169 | 210 | 0 |
| Year 2019 | | | | | |
| January | 1,299 | 30 | 1,078 | 191 | 1 |
| February | 1,138 | 20 | 948 | 169 | 1 |
| March | 1,238 | 20 | 1,037 | 180 | 1 |
| April | 1,223 | 28 | 1,008 | 186 | 1 |
| May | 1,324 | 26 | 1,107 | 189 | 1 |
| June | 1,307 | 25 | 1,092 | 190 | 1 |
| July | 1,345 | 27 | 1,132 | 185 | 1 |
| August | 1,372 | 29 | 1,152 | 190 | 1 |
| Sept | 1,265 | 21 | 1,061 | 182 | 1 |
| October | 1,251 | 28 | 1,045 | 177 | 1 |
| November | 1,254 | 25 | 1,056 | 173 | 1 |
| December | 1,317 | 20 | 1,105 | 191 | 1 |
| Year 2020 | | | | | |
| January | 1,287 | 19 | 1,079 | 188 | 1 |
| February | 1,183 | 14 | 1,002 | 166 | 1 |
| March | 1,309 | 26 | 1,096 | 186 | 1 |
| April | 1,227 | 25 | 1,049 | 152 | 1 |
| May | 1,279 | 24 | 1,071 | 183 | 1 |
| June | 1,210 | 25 | 1,005 | 178 | 1 |
| July | 1,337 | 26 | 1,120 | 190 | 1 |
| Year to Date | | | | | |
| 2018 | 9,794 | 264 | 8,107 | 1,417 | 6 |
| 2019 | 8,874 | 175 | 7,403 | 1,290 | 6 |
| 2020 | 8,832 | 160 | 7,422 | 1,243 | 6 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 15,863 | 378 | 13,155 | 2,321 | 9 |
| 2020 | 15,291 | 282 | 12,841 | 2,157 | 11 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 2,287 | 0 | 819 | 1,316 | 152 |
| 2011 | 2,044 | 0 | 742 | 1,148 | 154 |
| 2012 | 1,986 | 0 | 522 | 1,273 | 190 |
| 2013 | 1,865 | 0 | 517 | 1,160 | 187 |
| 2014 | 1,955 | 0 | 650 | 1,104 | 200 |
| 2015 | 1,986 | 0 | 655 | 1,127 | 203 |
| 2016 | 2,232 | 0 | 885 | 1,134 | 213 |
| 2017 | 2,124 | 0 | 814 | 1,102 | 208 |
| 2018 | 2,050 | 0 | 752 | 1,109 | 189 |
| 2019 | 1,576 | 0 | 743 | 646 | 187 |
| Year 2018 | | | | | |
| January | 182 | 0 | 64 | 102 | 17 |
| February | 163 | 0 | 60 | 91 | 12 |
| March | 169 | 0 | 64 | 93 | 12 |
| April | 160 | 0 | 54 | 90 | 16 |
| May | 176 | 0 | 59 | 101 | 16 |
| June | 177 | 0 | 65 | 95 | 18 |
| July | 180 | 0 | 65 | 98 | 17 |
| August | 183 | 0 | 66 | 95 | 21 |
| Sept | 144 | 0 | 58 | 68 | 17 |
| October | 160 | 0 | 61 | 83 | 16 |
| November | 173 | 0 | 66 | 93 | 14 |
| December | 182 | 0 | 70 | 100 | 13 |
| Year 2019 | | | | | |
| January | 164 | 0 | 66 | 83 | 15 |
| February | 149 | 0 | 63 | 70 | 15 |
| March | 147 | 0 | 67 | 64 | 16 |
| April | 109 | 0 | 56 | 37 | 17 |
| May | 120 | 0 | 64 | 45 | 12 |
| June | 129 | 0 | 64 | 50 | 15 |
| July | 128 | 0 | 67 | 45 | 16 |
| August | 130 | 0 | 62 | 47 | 21 |
| Sept | 117 | 0 | 53 | 48 | 15 |
| October | 122 | 0 | 57 | 50 | 15 |
| November | 131 | 0 | 63 | 53 | 15 |
| December | 131 | 0 | 61 | 55 | 15 |
| Year 2020 | | | | | |
| January | 139 | 0 | 73 | 53 | 13 |
| February | 133 | 0 | 69 | 47 | 16 |
| March | 131 | 0 | 62 | 54 | 15 |
| April | 131 | 0 | 61 | 54 | 16 |
| May | 140 | 0 | 67 | 57 | 16 |
| June | 123 | 0 | 67 | 43 | 13 |
| July | 128 | 0 | 59 | 54 | 15 |
| Year to Date | | | | | |
| 2018 | 1,207 | 0 | 430 | 670 | 107 |
| 2019 | 945 | 0 | 446 | 393 | 106 |
| 2020 | 925 | 0 | 458 | 362 | 105 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 1,788 | 0 | 768 | 833 | 187 |
| 2020 | 1,556 | 0 | 754 | 615 | 186 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Thousand Tons)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 21,725 | 402 | 17,621 | 3,549 | 152 |
| 2011 | 19,016 | 388 | 15,367 | 3,103 | 158 |
| 2012 | 18,954 | 418 | 14,757 | 3,577 | 203 |
| 2013 | 18,871 | 456 | 14,574 | 3,646 | 195 |
| 2014 | 18,661 | 444 | 14,459 | 3,551 | 206 |
| 2015 | 18,617 | 452 | 14,452 | 3,502 | 211 |
| 2016 | 19,226 | 464 | 14,838 | 3,700 | 224 |
| 2017 | 18,473 | 422 | 14,195 | 3,639 | 216 |
| 2018 | 18,833 | 467 | 14,611 | 3,557 | 197 |
| 2019 | 16,909 | 297 | 13,564 | 2,850 | 197 |
| Year 2018 | | | | | |
| January | 1,552 | 28 | 1,211 | 296 | 17 |
| February | 1,459 | 26 | 1,150 | 271 | 13 |
| March | 1,567 | 40 | 1,217 | 297 | 13 |
| April | 1,516 | 38 | 1,171 | 290 | 17 |
| May | 1,595 | 43 | 1,217 | 319 | 17 |
| June | 1,653 | 42 | 1,283 | 309 | 19 |
| July | 1,659 | 48 | 1,288 | 305 | 18 |
| August | 1,666 | 47 | 1,286 | 311 | 22 |
| Sept | 1,478 | 36 | 1,156 | 268 | 18 |
| October | 1,547 | 43 | 1,201 | 288 | 16 |
| November | 1,542 | 39 | 1,193 | 295 | 14 |
| December | 1,598 | 37 | 1,238 | 310 | 13 |
| Year 2019 | | | | | |
| January | 1,463 | 30 | 1,144 | 273 | 16 |
| February | 1,286 | 20 | 1,011 | 239 | 16 |
| March | 1,385 | 20 | 1,105 | 244 | 17 |
| April | 1,332 | 28 | 1,063 | 223 | 18 |
| May | 1,444 | 26 | 1,171 | 234 | 13 |
| June | 1,436 | 25 | 1,156 | 241 | 15 |
| July | 1,473 | 27 | 1,199 | 229 | 17 |
| August | 1,503 | 29 | 1,215 | 238 | 22 |
| Sept | 1,382 | 21 | 1,114 | 230 | 16 |
| October | 1,373 | 28 | 1,101 | 227 | 16 |
| November | 1,385 | 25 | 1,119 | 226 | 15 |
| December | 1,448 | 20 | 1,166 | 246 | 16 |
| Year 2020 | | | | | |
| January | 1,426 | 19 | 1,152 | 240 | 14 |
| February | 1,316 | 14 | 1,071 | 214 | 17 |
| March | 1,439 | 26 | 1,158 | 240 | 16 |
| April | 1,359 | 25 | 1,110 | 206 | 17 |
| May | 1,419 | 24 | 1,138 | 239 | 17 |
| June | 1,333 | 25 | 1,072 | 221 | 14 |
| July | 1,465 | 26 | 1,179 | 245 | 16 |
| Year to Date | | | | | |
| 2018 | 11,001 | 264 | 8,537 | 2,087 | 113 |
| 2019 | 9,819 | 175 | 7,849 | 1,683 | 112 |
| 2020 | 9,757 | 160 | 7,880 | 1,605 | 111 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 17,651 | 378 | 13,923 | 3,154 | 196 |
| 2020 | 16,847 | 282 | 13,595 | 2,773 | 197 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.7.A. Wood / Wood Waste Biomass: Consumption for Electricity Generation, by Sector, 2010-July 2020 (Billion Btus)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 349,530 | 40,167 | 137,072 | 274 | 172,016 |
| 2011 | 347,623 | 35,474 | 130,108 | 482 | 181,559 |
| 2012 | 390,342 | 32,723 | 138,217 | 478 | 218,924 |
| 2013 | 397,929 | 43,363 | 143,721 | 536 | 210,308 |
| 2014 | 431,285 | 45,643 | 174,513 | 961 | 210,167 |
| 2015 | 406,650 | 43,919 | 171,387 | 504 | 190,840 |
| 2016 | 359,983 | 41,036 | 149,516 | 473 | 168,959 |
| 2017 | 363,646 | 42,806 | 151,877 | 460 | 168,503 |
| 2018 | 361,703 | 45,856 | 143,288 | 520 | 172,039 |
| 2019 | 345,524 | 43,977 | 135,117 | 583 | 165,847 |
| Year 2018 | | | | | |
| January | 33,136 | 4,713 | 13,790 | 63 | 14,571 |
| February | 28,906 | 3,689 | 12,141 | 42 | 13,033 |
| March | 31,435 | 4,501 | 12,243 | 36 | 14,655 |
| April | 26,860 | 2,966 | 10,597 | 16 | 13,280 |
| May | 29,530 | 3,196 | 11,683 | 32 | 14,619 |
| June | 31,205 | 3,909 | 12,733 | 53 | 14,509 |
| July | 33,490 | 4,670 | 13,260 | 59 | 15,501 |
| August | 32,186 | 4,427 | 12,624 | 69 | 15,067 |
| Sept | 28,704 | 3,340 | 11,278 | 52 | 14,034 |
| October | 27,972 | 3,376 | 10,642 | 27 | 13,927 |
| November | 28,539 | 3,741 | 10,733 | 20 | 14,044 |
| December | 29,741 | 3,326 | 11,563 | 51 | 14,801 |
| Year 2019 | | | | | |
| January | 31,376 | 4,520 | 12,600 | 52 | 14,204 |
| February | 27,246 | 3,766 | 10,416 | 57 | 13,007 |
| March | 28,118 | 3,557 | 10,504 | 72 | 13,984 |
| April | 26,183 | 3,119 | 9,726 | 24 | 13,314 |
| May | 29,824 | 4,146 | 11,947 | 18 | 13,712 |
| June | 28,468 | 3,285 | 11,228 | 31 | 13,923 |
| July | 30,855 | 4,378 | 11,756 | 101 | 14,620 |
| August | 33,338 | 4,707 | 13,628 | 63 | 14,940 |
| Sept | 28,678 | 3,644 | 11,785 | 51 | 13,199 |
| October | 25,957 | 2,745 | 10,123 | 42 | 13,047 |
| November | 25,825 | 2,218 | 10,029 | 35 | 13,543 |
| December | 29,656 | 3,892 | 11,374 | 37 | 14,353 |
| Year 2020 | | | | | |
| January | 28,475 | 3,424 | 10,667 | 48 | 14,337 |
| February | 27,208 | 3,194 | 10,869 | 41 | 13,104 |
| March | 27,129 | 2,818 | 10,317 | 32 | 13,963 |
| April | 24,640 | 2,310 | 9,052 | 8 | 13,270 |
| May | 26,343 | 2,470 | 10,477 | 29 | 13,366 |
| June | 25,326 | 2,450 | 10,106 | 54 | 12,716 |
| July | 26,993 | 3,299 | 10,401 | 88 | 13,205 |
| Year to Date | | | | | |
| 2018 | 214,562 | 27,645 | 86,448 | 301 | 100,167 |
| 2019 | 202,069 | 26,772 | 78,178 | 355 | 96,765 |
| 2020 | 186,115 | 19,965 | 71,890 | 300 | 93,960 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 349,210 | 44,982 | 135,017 | 574 | 168,637 |
| 2020 | 329,570 | 37,171 | 128,829 | 527 | 163,043 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.7.B. Wood / Wood Waste Biomass: Consumption for Useful Thermal Output, by Sector, 2010-July 2020 (Billion Btus)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 876,041 | 0 | 18,357 | 1,064 | 856,620 |
| 2011 | 893,314 | 0 | 16,577 | 1,022 | 875,716 |
| 2012 | 883,158 | 0 | 19,251 | 949 | 862,958 |
| 2013 | 919,631 | 0 | 20,342 | 950 | 898,339 |
| 2014 | 946,344 | 8,835 | 22,262 | 3,766 | 911,481 |
| 2015 | 943,962 | 9,351 | 19,200 | 3,714 | 911,697 |
| 2016 | 969,841 | 10,950 | 22,905 | 4,520 | 931,465 |
| 2017 | 939,633 | 11,656 | 22,986 | 4,522 | 900,469 |
| 2018 | 929,365 | 10,297 | 21,623 | 4,806 | 892,639 |
| 2019 | 970,743 | 10,663 | 21,629 | 4,969 | 933,482 |
| Year 2018 | | | | | |
| January | 81,175 | 844 | 2,115 | 454 | 77,762 |
| February | 73,007 | 878 | 2,141 | 474 | 69,514 |
| March | 78,989 | 948 | 1,966 | 493 | 75,583 |
| April | 73,967 | 869 | 1,533 | 339 | 71,225 |
| May | 77,198 | 673 | 1,679 | 319 | 74,528 |
| June | 75,544 | 655 | 1,683 | 402 | 72,805 |
| July | 80,237 | 991 | 1,899 | 382 | 76,964 |
| August | 79,868 | 854 | 1,930 | 417 | 76,667 |
| Sept | 73,254 | 655 | 1,676 | 336 | 70,587 |
| October | 76,266 | 1,005 | 1,607 | 329 | 73,326 |
| November | 76,373 | 891 | 1,635 | 343 | 73,503 |
| December | 83,486 | 1,033 | 1,759 | 518 | 80,175 |
| Year 2019 | | | | | |
| January | 88,362 | 1,038 | 1,789 | 544 | 84,991 |
| February | 79,866 | 874 | 1,544 | 478 | 76,970 |
| March | 81,029 | 961 | 1,656 | 436 | 77,976 |
| April | 79,775 | 906 | 1,927 | 344 | 76,597 |
| May | 80,246 | 997 | 1,870 | 356 | 77,023 |
| June | 78,568 | 874 | 1,970 | 342 | 75,382 |
| July | 80,830 | 865 | 1,949 | 403 | 77,613 |
| August | 83,650 | 900 | 1,946 | 398 | 80,406 |
| Sept | 77,203 | 914 | 1,882 | 394 | 74,013 |
| October | 77,961 | 743 | 1,535 | 423 | 75,260 |
| November | 80,344 | 756 | 1,650 | 442 | 77,497 |
| December | 82,909 | 834 | 1,912 | 410 | 79,754 |
| Year 2020 | | | | | |
| January | 76,322 | 805 | 2,074 | 484 | 72,959 |
| February | 70,708 | 859 | 1,874 | 454 | 67,521 |
| March | 71,551 | 839 | 1,934 | 353 | 68,425 |
| April | 71,126 | 684 | 1,623 | 238 | 68,581 |
| May | 75,779 | 311 | 2,554 | 322 | 72,593 |
| June | 66,416 | 321 | 2,202 | 395 | 63,499 |
| July | 69,352 | 312 | 2,208 | 251 | 66,581 |
| Year to Date | | | | | |
| 2018 | 540,118 | 5,858 | 13,017 | 2,863 | 518,381 |
| 2019 | 568,676 | 6,516 | 12,705 | 2,903 | 546,553 |
| 2020 | 501,255 | 4,131 | 14,470 | 2,496 | 480,158 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 957,923 | 10,955 | 21,311 | 4,846 | 920,811 |
| 2020 | 903,322 | 8,278 | 23,395 | 4,562 | 867,088 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-July 2020 (Billion Btus)

| | | Electric Power Sector | | | |
|---|---|---|---|---|---|
| Period | Total (all sectors) | Electric Utilities | Independent Power Producers | Commercial Sector | Industrial Sector |
| Annual Totals | | | | | |
| 2010 | 1,225,571 | 40,167 | 155,429 | 1,338 | 1,028,637 |
| 2011 | 1,240,937 | 35,474 | 146,684 | 1,504 | 1,057,275 |
| 2012 | 1,273,500 | 32,723 | 157,468 | 1,427 | 1,081,882 |
| 2013 | 1,317,560 | 43,363 | 164,063 | 1,486 | 1,108,647 |
| 2014 | 1,377,629 | 54,478 | 196,775 | 4,727 | 1,121,648 |
| 2015 | 1,350,612 | 53,269 | 190,587 | 4,219 | 1,102,537 |
| 2016 | 1,329,824 | 51,986 | 172,421 | 4,993 | 1,100,424 |
| 2017 | 1,303,279 | 54,462 | 174,862 | 4,982 | 1,068,972 |
| 2018 | 1,291,068 | 56,153 | 164,911 | 5,326 | 1,064,678 |
| 2019 | 1,316,268 | 54,641 | 156,746 | 5,552 | 1,099,329 |
| Year 2018 | | | | | |
| January | 114,312 | 5,557 | 15,905 | 517 | 92,333 |
| February | 101,913 | 4,567 | 14,282 | 516 | 82,547 |
| March | 110,425 | 5,449 | 14,209 | 528 | 90,238 |
| April | 100,826 | 3,835 | 12,131 | 356 | 84,505 |
| May | 106,728 | 3,869 | 13,362 | 351 | 89,146 |
| June | 106,749 | 4,564 | 14,416 | 455 | 87,314 |
| July | 113,727 | 5,661 | 15,160 | 441 | 92,465 |
| August | 112,054 | 5,281 | 14,554 | 486 | 91,733 |
| Sept | 101,958 | 3,995 | 12,954 | 388 | 84,621 |
| October | 104,238 | 4,381 | 12,248 | 356 | 87,253 |
| November | 104,912 | 4,633 | 12,368 | 363 | 87,548 |
| December | 113,227 | 4,360 | 13,322 | 569 | 94,976 |
| Year 2019 | | | | | |
| January | 119,738 | 5,558 | 14,389 | 596 | 99,195 |
| February | 107,112 | 4,640 | 11,960 | 535 | 89,977 |
| March | 109,147 | 4,518 | 12,160 | 508 | 91,960 |
| April | 105,958 | 4,025 | 11,653 | 368 | 89,912 |
| May | 110,071 | 5,144 | 13,818 | 374 | 90,735 |
| June | 107,036 | 4,159 | 13,198 | 373 | 89,306 |
| July | 111,684 | 5,243 | 13,705 | 505 | 92,232 |
| August | 116,988 | 5,608 | 15,574 | 461 | 95,346 |
| Sept | 105,881 | 4,558 | 13,666 | 446 | 87,212 |
| October | 103,918 | 3,488 | 11,658 | 464 | 88,307 |
| November | 106,170 | 2,974 | 11,679 | 477 | 91,040 |
| December | 112,565 | 4,726 | 13,286 | 447 | 94,107 |
| Year 2020 | | | | | |
| January | 104,797 | 4,229 | 12,741 | 532 | 87,295 |
| February | 97,917 | 4,053 | 12,744 | 495 | 80,625 |
| March | 98,681 | 3,657 | 12,251 | 385 | 82,388 |
| April | 95,766 | 2,994 | 10,675 | 246 | 81,851 |
| May | 102,122 | 2,781 | 13,032 | 351 | 85,958 |
| June | 91,742 | 2,771 | 12,309 | 448 | 76,214 |
| July | 96,345 | 3,611 | 12,609 | 339 | 79,787 |
| Year to Date | | | | | |
| 2018 | 754,679 | 33,503 | 99,465 | 3,164 | 618,548 |
| 2019 | 770,745 | 33,287 | 90,883 | 3,258 | 643,317 |
| 2020 | 687,370 | 24,096 | 86,360 | 2,795 | 574,118 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 1,307,133 | 55,937 | 156,329 | 5,420 | 1,089,448 |
| 2020 | 1,232,892 | 45,449 | 152,223 | 5,089 | 1,030,130 |

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

## Table 2.8.A. Consumption of Coal for Electricity Generation by State, by Sector, July 2020 and July 2019 (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 3 | 18 | -83.0% | 0 | 16 | 3 | 1 | 0 | 0 | NM | NM |
| Connecticut | 2 | 0 | -- | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Maine | 1 | 1 | -4.6% | 0 | 0 | 1 | 1 | 0 | 0 | NM | NM |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 16 | -100.0% | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 1,512 | 2,112 | -28.0% | 0 | 0 | 1,510 | 2,109 | 0 | 0 | 1 | 4 |
| New Jersey | 35 | 39 | -11.0% | 0 | 0 | 35 | 39 | 0 | 0 | 0 | 0 |
| New York | 0 | 21 | -100.0% | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 |
| Pennsylvania | 1,477 | 2,053 | -28.0% | 0 | 0 | 1,476 | 2,049 | 0 | 0 | 1 | 4 |
| East North Central | 10,164 | 12,045 | -16.0% | 5,943 | 7,299 | 4,167 | 4,686 | 1 | 2 | 54 | 58 |
| Illinois | 2,468 | 2,994 | -18.0% | 142 | 196 | 2,284 | 2,752 | 1 | 1 | 42 | 44 |
| Indiana | 2,670 | 3,459 | -23.0% | 2,471 | 3,255 | 198 | 203 | 0 | 1 | 0 | 0 |
| Michigan | 1,532 | 2,187 | -30.0% | 1,519 | 2,166 | 12 | 19 | 0 | 0 | NM | 2 |
| Ohio | 1,882 | 1,965 | -4.2% | 210 | 253 | 1,672 | 1,712 | 0 | 0 | 0 | 0 |
| Wisconsin | 1,612 | 1,440 | 12.0% | 1,601 | 1,429 | 0 | 0 | 0 | 0 | 11 | 12 |
| West North Central | 10,156 | 10,703 | -5.1% | 10,094 | 10,596 | 0 | 0 | 1 | 2 | 61 | 106 |
| Iowa | 1,378 | 1,562 | -12.0% | 1,336 | 1,513 | 0 | 0 | 1 | 1 | 41 | 48 |
| Kansas | 1,443 | 1,272 | 13.0% | 1,443 | 1,272 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 1,102 | 1,100 | 0.1% | 1,098 | 1,079 | 0 | 0 | 0 | 0 | 4 | 20 |
| Missouri | 3,014 | 3,275 | -8.0% | 3,014 | 3,275 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 1,265 | 1,393 | -9.2% | 1,251 | 1,359 | 0 | 0 | 0 | 0 | 14 | 34 |
| North Dakota | 1,847 | 1,957 | -5.6% | 1,845 | 1,953 | 0 | 0 | 0 | 0 | 3 | 3 |
| South Dakota | 109 | 144 | -25.0% | 109 | 144 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 7,663 | 8,544 | -10.0% | 6,685 | 7,611 | 967 | 920 | 1 | 0 | 10 | 12 |
| Delaware | 32 | 45 | -30.0% | 0 | 0 | 32 | 45 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 907 | 1,030 | -12.0% | 907 | 1,029 | 0 | 0 | 0 | 0 | NM | NM |
| Georgia | 1,163 | 1,671 | -30.0% | 1,160 | 1,668 | 0 | 0 | 0 | 0 | 2 | NM |
| Maryland | 401 | 366 | 9.4% | 0 | 0 | 401 | 366 | 0 | 0 | 0 | 0 |
| North Carolina | 1,460 | 1,743 | -16.0% | 1,454 | 1,738 | 3 | 3 | 1 | 0 | 2 | 2 |
| South Carolina | 704 | 690 | 2.0% | 701 | 690 | 4 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 532 | 335 | 59.0% | 523 | 327 | 3 | 3 | 0 | 0 | 6 | 6 |
| West Virginia | 2,465 | 2,663 | -7.4% | 1,940 | 2,160 | 525 | 503 | 0 | 0 | 0 | 0 |
| East South Central | 5,404 | 5,460 | -1.0% | 5,152 | 5,190 | 245 | 259 | 0 | 0 | 8 | 10 |
| Alabama | 1,333 | 1,353 | -1.5% | 1,333 | 1,352 | 0 | 0 | 0 | 0 | 0 | NM |
| Kentucky | 2,393 | 2,467 | -3.0% | 2,393 | 2,467 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 453 | 421 | 7.4% | 208 | 162 | 245 | 259 | 0 | 0 | 0 | 0 |
| Tennessee | 1,226 | 1,219 | 0.6% | 1,218 | 1,210 | 0 | 0 | 0 | 0 | 8 | 9 |
| West South Central | 8,173 | 8,868 | -7.8% | 4,450 | 4,756 | 3,723 | 4,105 | 0 | 0 | 1 | 6 |
| Arkansas | 1,298 | 1,405 | -7.6% | 1,123 | 1,194 | 174 | 210 | 0 | 0 | 1 | 1 |
| Louisiana | 352 | 575 | -39.0% | 349 | 571 | 3 | 4 | 0 | 0 | 0 | 0 |
| Oklahoma | 760 | 600 | 27.0% | 760 | 556 | 0 | 39 | 0 | 0 | 0 | 5 |
| Texas | 5,763 | 6,288 | -8.3% | 2,218 | 2,436 | 3,545 | 3,852 | 0 | 0 | 0 | 0 |
| Mountain | 6,262 | 7,524 | -17.0% | 5,638 | 6,548 | 617 | 968 | 0 | 0 | 7 | 9 |
| Arizona | 848 | 1,450 | -42.0% | 848 | 1,450 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 1,023 | 1,221 | -16.0% | 1,023 | 1,221 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | NM | NM |
| Montana | 500 | 864 | -42.0% | 19 | 27 | 481 | 837 | 0 | 0 | NM | NM |
| Nevada | 144 | 143 | 0.8% | 88 | 94 | 56 | 49 | 0 | 0 | 0 | 0 |
| New Mexico | 865 | 846 | 2.3% | 865 | 846 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 911 | 1,037 | -12.0% | 878 | 1,001 | 33 | 35 | 0 | 0 | 0 | 0 |
| Wyoming | 1,972 | 1,963 | 0.4% | 1,918 | 1,908 | 47 | 47 | 0 | 0 | 7 | 8 |
| Pacific Contiguous | 265 | 673 | -61.0% | 126 | 181 | 134 | 491 | 0 | 0 | 5 | 1 |
| California | 5 | 1 | 711.0% | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 |
| Oregon | 126 | 181 | -30.0% | 126 | 181 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 134 | 492 | -73.0% | 0 | 0 | 134 | 491 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 90 | 115 | -22.0% | NM | 35 | 69 | 78 | 2 | 2 | 0 | 0 |
| Alaska | 33 | 50 | -33.0% | NM | 35 | 12 | 13 | 2 | 2 | 0 | 0 |
| Hawaii | 57 | 65 | -13.0% | 0 | 0 | 57 | 65 | 0 | 0 | 0 | 0 |
| U.S. Total | 49,693 | 56,062 | -11.0% | 38,107 | 42,233 | 11,434 | 13,617 | 5 | 6 | 147 | 205 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.8.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 35 | 164 | -79.0% | 25 | 108 | 8 | 53 | 0 | 0 | 2 | 3 |
| Connecticut | 2 | 46 | -96.0% | 0 | 0 | 2 | 46 | 0 | 0 | 0 | 0 |
| Maine | 8 | 10 | -17.0% | 0 | 0 | 6 | 7 | 0 | 0 | 2 | 3 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 25 | 108 | -77.0% | 25 | 108 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 8,357 | 13,017 | -36.0% | 0 | 0 | 8,350 | 12,995 | 0 | 0 | 7 | 22 |
| New Jersey | 236 | 263 | -10.0% | 0 | 0 | 236 | 263 | 0 | 0 | 0 | 0 |
| New York | 64 | 168 | -62.0% | 0 | 0 | 64 | 168 | 0 | 0 | 0 | 0 |
| Pennsylvania | 8,058 | 12,586 | -36.0% | 0 | 0 | 8,051 | 12,564 | 0 | 0 | 7 | 22 |
| East North Central | 48,211 | 71,929 | -33.0% | 28,602 | 42,885 | 19,232 | 28,649 | 7 | 12 | 370 | 382 |
| Illinois | 9,925 | 18,170 | -45.0% | 597 | 1,210 | 9,031 | 16,669 | 5 | 6 | 291 | 285 |
| Indiana | 12,767 | 19,441 | -34.0% | 11,476 | 18,365 | 1,289 | 1,071 | 2 | 5 | 0 | 0 |
| Michigan | 7,900 | 13,178 | -40.0% | 7,783 | 13,067 | 110 | 98 | 0 | 0 | 6 | 13 |
| Ohio | 9,901 | 12,190 | -19.0% | 1,099 | 1,379 | 8,802 | 10,811 | 0 | 0 | 0 | 0 |
| Wisconsin | 7,719 | 8,949 | -14.0% | 7,646 | 8,865 | 0 | 0 | 0 | 0 | 72 | 84 |
| West North Central | 50,276 | 61,137 | -18.0% | 49,774 | 60,510 | 0 | 0 | 8 | 12 | 493 | 615 |
| Iowa | 4,528 | 8,104 | -44.0% | 4,250 | 7,805 | 0 | 0 | 7 | 10 | 271 | 290 |
| Kansas | 6,162 | 6,634 | -7.1% | 6,162 | 6,634 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 4,153 | 6,519 | -36.0% | 4,125 | 6,407 | 0 | 0 | 0 | 1 | 27 | 111 |
| Missouri | 16,378 | 19,618 | -17.0% | 16,377 | 19,616 | 0 | 0 | 1 | 1 | 0 | 0 |
| Nebraska | 6,921 | 7,637 | -9.4% | 6,745 | 7,442 | 0 | 0 | 0 | 0 | 176 | 195 |
| North Dakota | 11,553 | 11,622 | -0.6% | 11,534 | 11,603 | 0 | 0 | 0 | 0 | 19 | 19 |
| South Dakota | 580 | 1,003 | -42.0% | 580 | 1,003 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 27,727 | 41,189 | -33.0% | 24,689 | 37,025 | 2,960 | 4,059 | 5 | 7 | 73 | 98 |
| Delaware | 32 | 72 | -56.0% | 0 | 0 | 32 | 72 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 3,697 | 5,410 | -32.0% | 3,692 | 5,403 | 0 | 0 | 0 | 0 | 5 | 7 |
| Georgia | 2,991 | 8,319 | -64.0% | 2,971 | 8,298 | 0 | 0 | 0 | 0 | 20 | 21 |
| Maryland | 888 | 1,418 | -37.0% | 0 | 0 | 888 | 1,410 | 0 | 0 | 0 | 8 |
| North Carolina | 4,350 | 6,693 | -35.0% | 4,311 | 6,639 | 20 | 33 | 5 | 6 | 15 | 15 |
| South Carolina | 2,849 | 3,649 | -22.0% | 2,839 | 3,648 | 10 | 0 | 0 | 0 | 1 | 1 |
| Virginia | 1,061 | 1,188 | -11.0% | 1,018 | 1,090 | 11 | 52 | 0 | 1 | 32 | 45 |
| West Virginia | 11,858 | 14,439 | -18.0% | 9,859 | 11,947 | 1,999 | 2,492 | 0 | 0 | 0 | 0 |
| East South Central | 24,173 | 30,652 | -21.0% | 22,328 | 28,829 | 1,792 | 1,758 | 0 | 0 | 52 | 65 |
| Alabama | 6,224 | 8,009 | -22.0% | 6,222 | 8,001 | 0 | 0 | 0 | 0 | NM | 8 |
| Kentucky | 11,872 | 14,990 | -21.0% | 11,872 | 14,990 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 2,430 | 2,557 | -5.0% | 638 | 799 | 1,792 | 1,758 | 0 | 0 | 0 | 0 |
| Tennessee | 3,647 | 5,095 | -28.0% | 3,597 | 5,039 | 0 | 0 | 0 | 0 | 50 | 57 |
| West South Central | 37,851 | 52,329 | -28.0% | 17,210 | 27,505 | 20,612 | 24,781 | 0 | 0 | 29 | 43 |
| Arkansas | 4,875 | 7,794 | -37.0% | 3,844 | 6,623 | 1,028 | 1,167 | 0 | 0 | 4 | 4 |
| Louisiana | 1,468 | 3,195 | -54.0% | 1,375 | 2,373 | 93 | 822 | 0 | 0 | 0 | 0 |
| Oklahoma | 1,764 | 3,585 | -51.0% | 1,668 | 3,444 | 72 | 102 | 0 | 0 | 25 | 39 |
| Texas | 29,743 | 37,754 | -21.0% | 10,323 | 15,065 | 19,420 | 22,689 | 0 | 0 | 0 | 0 |
| Mountain | 35,658 | 44,838 | -20.0% | 31,557 | 39,012 | 4,045 | 5,771 | 0 | 0 | 55 | 55 |
| Arizona | 4,063 | 7,609 | -47.0% | 4,063 | 7,609 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 6,640 | 8,119 | -18.0% | 6,640 | 8,118 | 0 | 0 | 0 | 0 | 0 | 1 |
| Idaho | 2 | 2 | -3.1% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Montana | 3,378 | 5,070 | -33.0% | 131 | 165 | 3,244 | 4,903 | 0 | 0 | 2 | 2 |
| Nevada | 574 | 872 | -34.0% | 232 | 551 | 342 | 321 | 0 | 0 | 0 | 0 |
| New Mexico | 4,247 | 4,418 | -3.9% | 4,247 | 4,418 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 5,479 | 6,592 | -17.0% | 5,321 | 6,349 | 158 | 244 | 0 | 0 | 0 | 0 |
| Wyoming | 11,275 | 12,155 | -7.2% | 10,923 | 11,802 | 301 | 304 | 0 | 0 | 51 | 49 |
| Pacific Contiguous | 1,463 | 2,794 | -48.0% | 496 | 664 | 931 | 2,096 | 0 | 0 | 37 | 34 |
| California | 33 | 30 | 9.0% | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 30 |
| Oregon | 496 | 664 | -25.0% | 496 | 664 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 935 | 2,100 | -55.0% | 0 | 0 | 931 | 2,096 | 0 | 0 | 4 | 4 |
| Pacific Noncontiguous | 679 | 705 | -3.7% | 203 | 213 | 454 | 474 | 21 | 18 | 0 | 0 |
| Alaska | 304 | 306 | -0.6% | 203 | 213 | 80 | 75 | 21 | 18 | 0 | 0 |
| Hawaii | 374 | 399 | -6.1% | 0 | 0 | 374 | 399 | 0 | 0 | 0 | 0 |
| U.S. Total | 234,429 | 318,754 | -26.0% | 174,885 | 236,752 | 58,384 | 80,637 | 41 | 48 | 1,119 | 1,317 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.9.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, July 2020 and July 2019 (Thousand Barrels)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | Commercial Sector | | Industrial Sector | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 47 | 85 | -45.0% | 7 | 9 | 39 | 74 | 1 | 2 | 1 | 1 |
| Connecticut | 20 | 19 | 8.0% | NM | 1 | 19 | 17 | NM | NM | 0 | 0 |
| Maine | 2 | 14 | -87.0% | 0 | 0 | 1 | 12 | 0 | 1 | 1 | 1 |
| Massachusetts | 20 | 45 | -55.0% | NM | NM | 16 | 42 | NM | 1 | 0 | 0 |
| New Hampshire | 2 | 5 | -60.0% | 2 | 4 | NM | NM | 0 | 0 | 0 | 0 |
| Rhode Island | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | NM | NM |
| Vermont | 1 | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 132 | 120 | 10.0% | 48 | 20 | 79 | 94 | NM | NM | 3 | 3 |
| New Jersey | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| New York | 74 | 56 | 32.0% | 48 | 20 | 25 | 34 | NM | NM | 1 | 0 |
| Pennsylvania | 51 | 58 | -12.0% | 0 | 0 | 47 | 54 | 2 | 2 | 2 | 2 |
| East North Central | 105 | 78 | 35.0% | 67 | 51 | 38 | 26 | NM | 0 | 0 | 0 |
| Illinois | 9 | 6 | 36.0% | NM | 1 | 7 | 5 | NM | NM | 0 | 0 |
| Indiana | 29 | 19 | 58.0% | 29 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 26 | 20 | 27.0% | 26 | 20 | 0 | 0 | NM | 0 | 0 | 0 |
| Ohio | 33 | 24 | 39.0% | 2 | 2 | 31 | 21 | 0 | 0 | 0 | 0 |
| Wisconsin | NM | NM | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 |
| West North Central | 45 | 45 | 0.8% | 43 | 43 | NM | NM | 0 | 0 | 0 | 0 |
| Iowa | 13 | 10 | 34.0% | 13 | 9 | NM | 1 | 0 | 0 | 0 | 0 |
| Kansas | 5 | 10 | -52.0% | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | NM | NM | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 |
| Missouri | 14 | 10 | 38.0% | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 4 | 3 | 24.0% | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | NM | NM | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 |
| South Atlantic | 254 | 237 | 7.1% | 159 | 166 | 70 | 48 | 17 | 19 | 7 | 5 |
| Delaware | NM | 9 | NM | 0 | 0 | NM | 9 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 39 | 49 | -21.0% | 37 | 48 | 1 | NM | 0 | 0 | 1 | 1 |
| Georgia | 18 | 15 | 24.0% | 13 | 8 | NM | NM | 0 | 2 | 3 | 3 |
| Maryland | 46 | 23 | 97.0% | NM | 0 | 46 | 23 | NM | 0 | 0 | 0 |
| North Carolina | 26 | 26 | -1.5% | 23 | 24 | NM | NM | NM | NM | 1 | 1 |
| South Carolina | 10 | 18 | -42.0% | 9 | 18 | 0 | 0 | 0 | NM | 1 | 0 |
| Virginia | 77 | 67 | 15.0% | 49 | 38 | 11 | 12 | 17 | 17 | 0 | NM |
| West Virginia | 28 | 30 | -6.9% | 28 | 29 | 0 | 1 | 0 | 0 | 0 | 0 |
| East South Central | 44 | 38 | 15.0% | 43 | 38 | NM | NM | 0 | 0 | 1 | 0 |
| Alabama | 1 | 3 | -63.0% | 1 | 3 | NM | NM | 0 | 0 | NM | NM |
| Kentucky | 14 | 10 | 39.0% | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 1 | 1 | -11.0% | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 28 | 24 | 16.0% | 28 | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 19 | 15 | 25.0% | 17 | 11 | 2 | 4 | 0 | 0 | 0 | 0 |
| Arkansas | 7 | 6 | 18.0% | 6 | 2 | 0 | 3 | 0 | 0 | 0 | 0 |
| Louisiana | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 5 | 3 | 39.0% | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 6 | 5 | 19.0% | 5 | 5 | 2 | NM | 0 | 0 | 0 | 0 |
| Mountain | 27 | 34 | -22.0% | 26 | 31 | 1 | 3 | NM | NM | 0 | 0 |
| Arizona | 7 | 7 | -8.9% | 7 | 7 | 0 | 0 | NM | NM | 0 | 0 |
| Colorado | NM | NM | NM | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | NM | NM | NM | NM | NM | NM | 2 | 0 | 0 | 0 | 0 |
| Nevada | 1 | 4 | -74.0% | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 |
| New Mexico | 5 | 5 | -2.5% | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 7 | 4 | 76.0% | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 5 | 10 | -53.0% | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 15 | 11 | 37.0% | 9 | 8 | 5 | 2 | NM | NM | NM | 1 |
| California | 10 | 7 | 38.0% | 7 | 6 | 2 | 0 | NM | NM | NM | NM |
| Oregon | NM | 1 | NM | 1 | 1 | 0 | 0 | NM | NM | 0 | 0 |
| Washington | NM | 3 | NM | NM | NM | 3 | 2 | 0 | 0 | NM | 1 |
| Pacific Noncontiguous | 1,032 | 1,156 | -11.0% | 849 | 911 | 162 | 222 | 3 | 0 | 18 | 23 |
| Alaska | 172 | 135 | 27.0% | 167 | 129 | 0 | 0 | 0 | 0 | 5 | 7 |
| Hawaii | 860 | 1,021 | -16.0% | 682 | 782 | 162 | 222 | 3 | 0 | 14 | 16 |
| U.S. Total | 1,720 | 1,820 | -5.5% | 1,267 | 1,287 | 397 | 475 | 25 | 25 | 32 | 33 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.9.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Thousand Barrels)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 225 | 354 | -36.0% | 32 | 42 | 176 | 283 | 12 | 22 | 5 | 7 |
| Connecticut | 94 | 121 | -22.0% | 5 | 5 | 88 | 111 | NM | 3 | 0 | 2 |
| Maine | 27 | 29 | -6.5% | 0 | 0 | 21 | 20 | 2 | 4 | 4 | 5 |
| Massachusetts | 67 | 148 | -55.0% | 13 | NM | 51 | 127 | 3 | 5 | 0 | 1 |
| New Hampshire | 19 | 30 | -36.0% | 12 | 20 | NM | NM | 7 | 8 | 0 | 0 |
| Rhode Island | NM | 24 | NM | 0 | 0 | NM | NM | 0 | 1 | NM | NM |
| Vermont | 2 | NM | NM | 2 | NM | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 521 | 1,101 | -53.0% | 125 | 315 | 369 | 745 | 10 | 16 | 16 | 25 |
| New Jersey | 55 | 93 | -41.0% | 0 | 3 | 54 | 89 | 0 | 1 | 0 | 1 |
| New York | 279 | 662 | -58.0% | 125 | 312 | 145 | 330 | NM | NM | 4 | 11 |
| Pennsylvania | 188 | 346 | -46.0% | 0 | 0 | 171 | 325 | 4 | 7 | 12 | 14 |
| East North Central | 484 | 579 | -16.0% | 320 | 361 | 160 | 208 | 1 | 3 | 2 | 7 |
| Illinois | 39 | 50 | -23.0% | 6 | 7 | 32 | 43 | NM | NM | 0 | 0 |
| Indiana | 134 | 154 | -13.0% | 133 | 150 | 0 | 0 | 0 | NM | 1 | 4 |
| Michigan | 115 | 110 | 4.5% | 114 | 108 | 0 | 0 | 0 | 2 | 0 | 1 |
| Ohio | 142 | 208 | -32.0% | 16 | 47 | 125 | 159 | 0 | 0 | 1 | 2 |
| Wisconsin | 54 | 56 | -4.9% | 50 | 50 | 3 | 5 | 0 | 1 | 0 | 0 |
| West North Central | 355 | 419 | -15.0% | 346 | 404 | NM | 12 | 1 | 2 | 1 | 1 |
| Iowa | 76 | 80 | -5.9% | 72 | 76 | 3 | 4 | 0 | 0 | 0 | 0 |
| Kansas | 91 | 71 | 28.0% | 91 | 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 39 | 50 | -22.0% | 34 | 40 | NM | NM | 1 | 2 | 1 | 1 |
| Missouri | 79 | 130 | -40.0% | 79 | 130 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NM | 28 | NM | NM | 28 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 40 | 46 | -14.0% | 40 | 46 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | NM | 13 | NM | NM | 12 | 0 | 0 | NM | NM | 0 | 0 |
| South Atlantic | 1,064 | 1,451 | -27.0% | 743 | 1,053 | 195 | 278 | 84 | 70 | 43 | 50 |
| Delaware | 32 | 56 | -42.0% | 0 | 0 | 32 | 55 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 195 | 319 | -39.0% | 180 | 308 | 7 | 3 | 0 | 0 | 7 | 8 |
| Georgia | 82 | 116 | -29.0% | 55 | 71 | NM | 12 | 1 | 4 | 20 | 28 |
| Maryland | 113 | 124 | -8.7% | 1 | 3 | 111 | 120 | NM | 0 | 0 | 1 |
| North Carolina | 169 | 278 | -39.0% | 157 | 263 | NM | 9 | NM | NM | 6 | 6 |
| South Carolina | 79 | 112 | -30.0% | 74 | 104 | 1 | 3 | 0 | NM | 4 | 4 |
| Virginia | 240 | 313 | -23.0% | 121 | 172 | 32 | 74 | 81 | 65 | 6 | 3 |
| West Virginia | 154 | 133 | 16.0% | 154 | 132 | 0 | 2 | 0 | 0 | 0 | 0 |
| East South Central | 225 | 331 | -32.0% | 220 | 322 | 1 | 3 | 0 | 0 | 4 | 7 |
| Alabama | 9 | 21 | -60.0% | 6 | 15 | 1 | 2 | 0 | 0 | 2 | 4 |
| Kentucky | 84 | 94 | -11.0% | 84 | 94 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 9 | 18 | -48.0% | 8 | 17 | 0 | 0 | 0 | 0 | 1 | 1 |
| Tennessee | 124 | 197 | -37.0% | 122 | 195 | 0 | 0 | 0 | 0 | 1 | 2 |
| West South Central | 143 | 148 | -3.5% | 114 | 109 | 27 | 33 | 0 | 1 | 2 | 5 |
| Arkansas | 52 | 49 | 6.6% | 43 | 32 | 8 | 16 | 0 | 0 | 0 | 1 |
| Louisiana | 12 | 13 | -8.3% | 12 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 24 | 24 | 1.3% | 24 | 22 | 0 | 0 | 0 | 0 | 1 | 2 |
| Texas | 55 | 63 | -12.0% | 35 | 42 | 19 | 18 | 0 | 1 | 1 | 2 |
| Mountain | 191 | 253 | -24.0% | 180 | 233 | 11 | 20 | NM | 0 | 0 | 0 |
| Arizona | 43 | 75 | -43.0% | 43 | 75 | 0 | 0 | NM | NM | 0 | 0 |
| Colorado | NM | 18 | NM | NM | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -56.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 9 | 19 | -54.0% | NM | NM | 8 | 15 | 0 | 0 | 0 | 0 |
| Nevada | 8 | 16 | -52.0% | 6 | 13 | 1 | 3 | 0 | 0 | 0 | 0 |
| New Mexico | 35 | 42 | -16.0% | 35 | 42 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 40 | 38 | 6.2% | 38 | 37 | 2 | 1 | 0 | 0 | 0 | 0 |
| Wyoming | 44 | 45 | -3.0% | 44 | 45 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 70 | 76 | -9.0% | 43 | 43 | 17 | 16 | NM | NM | 9 | 16 |
| California | 48 | 54 | -11.0% | 36 | 38 | 8 | 5 | 0 | 1 | 4 | 11 |
| Oregon | NM | 4 | NM | 3 | 4 | 0 | 0 | NM | NM | 0 | 0 |
| Washington | 19 | 18 | 0.7% | NM | NM | 8 | 12 | 0 | 0 | 5 | 5 |
| Pacific Noncontiguous | 6,822 | 7,170 | -4.9% | 5,586 | 5,641 | 1,073 | 1,357 | 17 | 14 | 146 | 159 |
| Alaska | 1,047 | 908 | 15.0% | 1,009 | 867 | 0 | 0 | 3 | 4 | 34 | 37 |
| Hawaii | 5,775 | 6,262 | -7.8% | 4,577 | 4,774 | 1,073 | 1,357 | 14 | 9 | 111 | 122 |
| U.S. Total | 10,099 | 11,883 | -15.0% | 7,709 | 8,522 | 2,037 | 2,956 | 126 | 127 | 227 | 278 |

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, July 2020 and July 2019 (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NM |
| New Jersey | 0 | 1 | -52.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | NM | NM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NM |
| East North Central | 95 | 116 | -18.0% | 40 | 61 | 48 | 46 | 0 | 0 | 7 | 8 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 41 | 64 | -35.0% | 35 | 56 | 0 | 0 | 0 | 0 | 7 | 8 |
| Ohio | 48 | 46 | 4.4% | 0 | 0 | 48 | 46 | 0 | 0 | 0 | 0 |
| Wisconsin | 5 | 5 | -8.4% | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 1 | 8 | -87.0% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| Iowa | 1 | 8 | -87.0% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 75 | 35 | 116.0% | 71 | 31 | 0 | 0 | 0 | 0 | 4 | 4 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 71 | 31 | 128.0% | 71 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 4 | 4 | 6.0% | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 161 | 138 | 16.0% | 159 | 134 | 0 | 0 | 0 | 0 | 2 | 4 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 159 | 134 | 18.0% | 159 | 134 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 2 | 4 | -39.0% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| Mountain | 14 | 15 | -9.7% | 0 | 0 | 14 | 15 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 14 | 15 | -9.7% | 0 | 0 | 14 | 15 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 346 | 314 | 10.0% | 270 | 227 | 62 | 61 | 0 | 0 | 14 | 25 |

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.10.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 2 | 11 | -81.0% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 |
| New Jersey | 2 | 4 | -50.0% | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 7 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| East North Central | 538 | 596 | -9.8% | 249 | 259 | 250 | 302 | 0 | 0 | 38 | 35 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 264 | 270 | -2.2% | 227 | 236 | 0 | 0 | 0 | 0 | 38 | 34 |
| Ohio | 250 | 303 | -17.0% | 0 | 0 | 250 | 302 | 0 | 0 | 0 | 0 |
| Wisconsin | 23 | 23 | 0.1% | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 6 | 10 | -41.0% | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 9 |
| Iowa | 6 | 10 | -41.0% | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 9 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 363 | 299 | 21.0% | 343 | 280 | 0 | 0 | 0 | 0 | 19 | 20 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 343 | 280 | 23.0% | 343 | 280 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 19 | 20 | -0.4% | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 20 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 881 | 874 | 0.8% | 858 | 841 | 0 | 0 | 0 | 0 | 23 | 33 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 858 | 842 | 2.0% | 858 | 841 | 0 | 0 | 0 | 0 | 0 | 1 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 23 | 32 | -29.0% | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 32 |
| Mountain | 96 | 101 | -4.8% | 0 | 0 | 96 | 101 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 96 | 101 | -4.8% | 0 | 0 | 96 | 101 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 1,885 | 1,890 | -0.3% | 1,451 | 1,379 | 346 | 403 | 1 | 1 | 88 | 107 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, July 2020 and July 2019 (Million Cubic Feet)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 50,314 | 45,448 | 11.0% | 1,021 | 567 | 47,870 | 43,483 | 566 | 551 | 857 | 847 |
| Connecticut | 18,697 | 16,758 | 12.0% | 29 | 20 | 18,081 | 16,178 | 209 | 205 | 377 | 354 |
| Maine | 2,280 | 1,627 | 40.0% | 0 | 0 | 2,015 | 1,381 | 14 | 13 | 250 | 233 |
| Massachusetts | 17,993 | 16,106 | 12.0% | 851 | 516 | 16,756 | 15,178 | 312 | 298 | 75 | 113 |
| New Hampshire | 4,524 | 4,271 | 5.9% | 140 | 30 | 4,366 | 4,219 | 4 | 6 | 14 | 16 |
| Rhode Island | 6,819 | 6,685 | 2.0% | 0 | 0 | 6,652 | 6,526 | 27 | 28 | 140 | 131 |
| Vermont | 1 | 2 | -34.0% | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 192,565 | 163,793 | 18.0% | 16,062 | 15,046 | 174,430 | 146,646 | 755 | 768 | 1,318 | 1,333 |
| New Jersey | 32,388 | 32,900 | -1.6% | NM | 299 | 31,814 | 32,320 | 76 | 81 | 206 | 200 |
| New York | 63,225 | 55,159 | 15.0% | 15,758 | 14,742 | 46,537 | 39,470 | 610 | 616 | 320 | 330 |
| Pennsylvania | 96,951 | 75,734 | 28.0% | 13 | 5 | 96,078 | 74,855 | 69 | 71 | 791 | 803 |
| East North Central | 154,482 | 135,298 | 14.0% | 62,395 | 53,870 | 88,713 | 78,291 | 818 | 813 | 2,557 | 2,324 |
| Illinois | 35,932 | 26,463 | 36.0% | 5,316 | 3,476 | 29,932 | 22,343 | 253 | 257 | 432 | 387 |
| Indiana | 26,995 | 23,945 | 13.0% | 14,676 | 12,235 | 10,917 | 10,396 | 97 | 107 | 1,305 | 1,208 |
| Michigan | 34,340 | 29,801 | 15.0% | 18,249 | 14,448 | 15,522 | 14,829 | 269 | 277 | 300 | 247 |
| Ohio | 40,319 | 37,472 | 7.6% | 8,896 | 8,535 | 31,170 | 28,734 | 140 | 128 | 113 | 75 |
| Wisconsin | 16,896 | 17,617 | -4.1% | 15,257 | 15,176 | 1,173 | 1,990 | 59 | 44 | 408 | 407 |
| West North Central | 38,678 | 35,728 | 8.3% | 34,115 | 31,458 | 4,187 | 3,871 | 174 | 167 | 202 | 231 |
| Iowa | 7,761 | 7,630 | 1.7% | 7,578 | 7,377 | NM | NM | 62 | 65 | 120 | 178 |
| Kansas | 4,068 | 4,093 | -0.6% | 4,044 | 4,083 | 0 | 0 | 0 | 0 | 24 | 10 |
| Minnesota | 10,046 | 9,852 | 2.0% | 7,994 | 8,386 | 1,972 | 1,402 | 47 | 33 | 32 | 31 |
| Missouri | 10,938 | 8,476 | 29.0% | 8,653 | 5,949 | 2,214 | 2,459 | 61 | 63 | 9 | 6 |
| Nebraska | 2,489 | 2,318 | 7.4% | 2,486 | 2,311 | 0 | 0 | 4 | 7 | 0 | 0 |
| North Dakota | 1,559 | 1,571 | -0.8% | 1,544 | 1,566 | 0 | 0 | 0 | 0 | 15 | 6 |
| South Dakota | 1,817 | 1,786 | 1.7% | 1,817 | 1,786 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 313,272 | 295,784 | 5.9% | 250,627 | 237,611 | 58,970 | 54,437 | 981 | 1,038 | 2,694 | 2,698 |
| Delaware | 5,914 | 5,888 | 0.4% | 105 | 143 | 5,366 | 5,278 | 0 | 0 | 443 | 467 |
| District of Columbia | 61 | 53 | 15.0% | 0 | 0 | 0 | 0 | 61 | 53 | 0 | 0 |
| Florida | 139,917 | 132,493 | 5.6% | 132,643 | 125,071 | 6,528 | 6,643 | 10 | 8 | 736 | 770 |
| Georgia | 45,585 | 43,037 | 5.9% | 33,299 | 30,831 | 11,890 | 11,841 | 0 | 0 | 395 | 365 |
| Maryland | 13,431 | 12,651 | 6.2% | 3,077 | 3,568 | 9,508 | 8,169 | 824 | 897 | 22 | 17 |
| North Carolina | 34,284 | 31,215 | 9.8% | 27,992 | 24,582 | 6,134 | 6,492 | 86 | 75 | 72 | 65 |
| South Carolina | 20,825 | 20,233 | 2.9% | 19,701 | 19,739 | 1,017 | 419 | 0 | 0 | 107 | 74 |
| Virginia | 49,793 | 47,909 | 3.9% | 33,400 | 33,271 | 15,702 | 13,955 | 0 | 5 | 690 | 679 |
| West Virginia | 3,462 | 2,305 | 50.0% | 409 | 405 | 2,824 | 1,640 | 0 | 0 | 229 | 260 |
| East South Central | 117,939 | 109,937 | 7.3% | 85,249 | 78,009 | 31,312 | 30,591 | 103 | 97 | 1,275 | 1,239 |
| Alabama | 46,584 | 43,924 | 6.1% | 17,041 | 17,324 | 28,921 | 25,969 | 0 | 0 | 621 | 631 |
| Kentucky | 15,416 | 11,899 | 30.0% | 12,965 | 10,818 | 2,368 | 1,006 | 0 | 0 | 83 | 75 |
| Mississippi | 41,121 | 41,112 | 0.0% | 40,917 | 37,333 | 8 | 3,602 | 0 | 0 | 195 | 178 |
| Tennessee | 14,818 | 13,001 | 14.0% | 14,325 | 12,534 | 14 | 14 | 103 | 97 | 376 | 356 |
| West South Central | 334,556 | 315,473 | 6.0% | 143,259 | 131,594 | 154,932 | 148,280 | 540 | 505 | 35,825 | 35,095 |
| Arkansas | 16,215 | 17,290 | -6.2% | 15,495 | 16,510 | 588 | 624 | NM | NM | 95 | 120 |
| Louisiana | 57,012 | 54,414 | 4.8% | 39,628 | 35,629 | 4,231 | 5,058 | 70 | 69 | 13,083 | 13,659 |
| Oklahoma | 46,548 | 42,013 | 11.0% | 33,484 | 27,380 | 12,707 | 14,296 | 0 | 0 | 356 | 336 |
| Texas | 214,781 | 201,756 | 6.5% | 54,651 | 52,075 | 137,406 | 128,301 | 434 | 399 | 22,290 | 20,981 |
| Mountain | 106,227 | 101,857 | 4.3% | 87,417 | 83,546 | 17,502 | 17,127 | 177 | 185 | 1,131 | 999 |
| Arizona | 44,506 | 40,886 | 8.9% | 35,488 | 30,835 | 8,966 | 9,998 | 52 | 53 | 0 | 0 |
| Colorado | 15,212 | 14,902 | 2.1% | 12,400 | 12,079 | 2,780 | 2,795 | 0 | 0 | 32 | 29 |
| Idaho | 3,583 | 3,883 | -7.7% | 2,203 | 2,330 | 1,318 | 1,496 | 14 | 14 | 48 | 42 |
| Montana | 507 | 627 | -19.0% | NM | 516 | NM | 111 | 0 | 0 | NM | NM |
| Nevada | 21,689 | 21,753 | -0.3% | 19,980 | 19,990 | 1,368 | 1,328 | 23 | 24 | 319 | 411 |
| New Mexico | 11,725 | 11,251 | 4.2% | 8,672 | 9,812 | 3,010 | 1,353 | 43 | 45 | 0 | 40 |
| Utah | 7,759 | 7,860 | -1.3% | 7,380 | 7,499 | 26 | 45 | 44 | 48 | 309 | 268 |
| Wyoming | 1,245 | 695 | 79.0% | 824 | 486 | 0 | 0 | 0 | 0 | 422 | 209 |
| Pacific Contiguous | 83,696 | 87,620 | -4.5% | 33,611 | 38,003 | 43,108 | 43,217 | 808 | 877 | 6,169 | 5,523 |
| California | 65,748 | 60,144 | 9.3% | 22,557 | 21,581 | 36,704 | 32,233 | 785 | 856 | 5,702 | 5,474 |
| Oregon | 10,432 | 15,005 | -30.0% | 6,013 | 7,855 | 4,323 | 7,098 | 18 | 21 | NM | 32 |
| Washington | 7,516 | 12,471 | -40.0% | 5,042 | 8,568 | 2,081 | 3,886 | 4 | 0 | 389 | 17 |
| Pacific Noncontiguous | 3,395 | 3,690 | -8.0% | 3,370 | 3,666 | 0 | 0 | 0 | 0 | 25 | 24 |
| Alaska | 3,395 | 3,690 | -8.0% | 3,370 | 3,666 | 0 | 0 | 0 | 0 | 25 | 24 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 1,395,122 | 1,294,629 | 7.8% | 717,125 | 673,371 | 621,023 | 565,943 | 4,922 | 5,002 | 52,052 | 50,313 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 2.11.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Million Cubic Feet)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 212,110 | 202,707 | 4.6% | 1,692 | 1,059 | 201,914 | 193,616 | 3,235 | 3,131 | 5,270 | 4,901 |
| Connecticut | 94,670 | 83,203 | 14.0% | 176 | 186 | 90,994 | 79,728 | 1,238 | 1,194 | 2,262 | 2,095 |
| Maine | 7,546 | 6,606 | 14.0% | 0 | 0 | 6,160 | 5,425 | 90 | 85 | 1,297 | 1,095 |
| Massachusetts | 59,701 | 68,157 | -12.0% | 1,345 | 817 | 55,823 | 64,860 | 1,751 | 1,690 | 781 | 789 |
| New Hampshire | 15,059 | 12,438 | 21.0% | 163 | 46 | 14,777 | 12,256 | 19 | 28 | 99 | 108 |
| Rhode Island | 35,124 | 32,291 | 8.8% | 0 | 0 | 34,160 | 31,347 | 133 | 130 | 830 | 813 |
| Vermont | 11 | 13 | -12.0% | 8 | 9 | 0 | 0 | 3 | 3 | 0 | 0 |
| Middle Atlantic | 832,530 | 744,215 | 12.0% | 55,588 | 54,460 | 764,665 | 677,150 | 4,172 | 4,430 | 8,106 | 8,176 |
| New Jersey | 128,983 | 159,328 | -19.0% | NM | 850 | 126,464 | 156,797 | 410 | 481 | 1,267 | 1,200 |
| New York | 236,269 | 216,092 | 9.3% | 54,723 | 53,590 | 175,883 | 156,782 | 3,440 | 3,532 | 2,223 | 2,188 |
| Pennsylvania | 467,279 | 368,794 | 27.0% | 24 | 19 | 462,318 | 363,570 | 322 | 418 | 4,615 | 4,787 |
| East North Central | 742,043 | 651,025 | 14.0% | 283,539 | 234,279 | 437,092 | 396,188 | 4,555 | 4,574 | 16,857 | 15,983 |
| Illinois | 114,806 | 86,982 | 32.0% | 15,481 | 7,134 | 95,698 | 76,283 | 1,229 | 1,198 | 2,399 | 2,367 |
| Indiana | 142,900 | 128,256 | 11.0% | 68,179 | 57,245 | 65,618 | 62,006 | 549 | 526 | 8,554 | 8,479 |
| Michigan | 166,324 | 140,001 | 19.0% | 68,495 | 50,337 | 93,869 | 85,859 | 1,807 | 1,892 | 2,153 | 1,912 |
| Ohio | 219,363 | 210,750 | 4.1% | 41,949 | 43,248 | 176,077 | 166,234 | 623 | 648 | 714 | 620 |
| Wisconsin | 98,650 | 85,035 | 16.0% | 89,434 | 76,315 | 5,831 | 5,807 | 348 | 309 | 3,036 | 2,605 |
| West North Central | 146,109 | 135,562 | 7.8% | 123,764 | 116,327 | 19,172 | 16,272 | 999 | 1,024 | 2,174 | 1,940 |
| Iowa | 30,690 | 28,911 | 6.2% | 29,287 | 27,393 | NM | NM | 312 | 325 | 1,089 | 1,150 |
| Kansas | 14,836 | 15,983 | -7.2% | 14,295 | 15,676 | 0 | 0 | 0 | 0 | 541 | 308 |
| Minnesota | 41,760 | 40,273 | 3.7% | 34,491 | 34,966 | 6,665 | 4,665 | 282 | 291 | 322 | 352 |
| Missouri | 36,610 | 33,664 | 8.8% | 23,641 | 21,655 | 12,505 | 11,565 | 380 | 380 | 84 | 64 |
| Nebraska | 7,394 | 5,571 | 33.0% | 7,369 | 5,543 | 0 | 0 | 25 | 28 | 0 | 0 |
| North Dakota | 7,821 | 6,116 | 28.0% | 7,683 | 6,050 | 0 | 0 | 0 | 0 | 138 | 66 |
| South Dakota | 6,998 | 5,043 | 39.0% | 6,998 | 5,043 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 1,702,012 | 1,599,206 | 6.4% | 1,393,707 | 1,319,329 | 283,754 | 255,807 | 6,110 | 6,821 | 18,441 | 17,249 |
| Delaware | 20,561 | 19,729 | 4.2% | 131 | 196 | 17,109 | 16,260 | 0 | 0 | 3,320 | 3,274 |
| District of Columbia | 241 | 354 | -32.0% | 0 | 0 | 0 | 0 | 241 | 354 | 0 | 0 |
| Florida | 792,566 | 757,915 | 4.6% | 752,218 | 722,131 | 35,337 | 30,883 | 76 | 63 | 4,936 | 4,838 |
| Georgia | 244,482 | 229,106 | 6.7% | 183,199 | 172,809 | 58,759 | 54,114 | 0 | 1 | 2,525 | 2,182 |
| Maryland | 63,517 | 65,444 | -2.9% | 13,056 | 17,832 | 45,167 | 41,574 | 5,166 | 5,825 | 128 | 213 |
| North Carolina | 183,943 | 177,233 | 3.8% | 149,138 | 141,826 | 33,698 | 34,423 | 584 | 533 | 522 | 451 |
| South Carolina | 109,596 | 101,666 | 7.8% | 106,097 | 97,845 | 2,815 | 3,363 | 0 | 0 | 684 | 458 |
| Virginia | 274,827 | 240,620 | 14.0% | 189,259 | 165,491 | 80,640 | 70,646 | 43 | 45 | 4,885 | 4,438 |
| West Virginia | 12,279 | 7,138 | 72.0% | 608 | 1,197 | 10,229 | 4,545 | 0 | 0 | 1,441 | 1,396 |
| East South Central | 587,819 | 564,304 | 4.2% | 428,560 | 392,605 | 150,023 | 162,661 | 647 | 578 | 8,590 | 8,459 |
| Alabama | 225,698 | 232,953 | -3.1% | 79,921 | 88,729 | 141,610 | 139,974 | 0 | 0 | 4,166 | 4,251 |
| Kentucky | 61,710 | 59,261 | 4.1% | 56,681 | 56,267 | 4,479 | 2,441 | 0 | 0 | 550 | 553 |
| Mississippi | 232,142 | 201,702 | 15.0% | 226,987 | 180,293 | 3,847 | 20,157 | 0 | 0 | 1,308 | 1,252 |
| Tennessee | 68,270 | 70,388 | -3.0% | 64,970 | 67,317 | 87 | 90 | 647 | 578 | 2,565 | 2,403 |
| West South Central | 1,644,538 | 1,563,958 | 5.2% | 672,340 | 611,138 | 736,261 | 721,011 | 2,853 | 2,943 | 233,085 | 228,866 |
| Arkansas | 73,372 | 84,186 | -13.0% | 68,359 | 78,872 | 4,122 | 4,148 | NM | 239 | 653 | 927 |
| Louisiana | 310,122 | 300,233 | 3.3% | 203,449 | 185,671 | 17,506 | 20,989 | 482 | 392 | 88,685 | 93,181 |
| Oklahoma | 213,999 | 184,351 | 16.0% | 144,090 | 119,169 | 67,620 | 63,254 | 0 | 0 | 2,288 | 1,928 |
| Texas | 1,047,044 | 995,188 | 5.2% | 256,441 | 227,425 | 647,012 | 632,620 | 2,131 | 2,312 | 141,459 | 132,830 |
| Mountain | 528,480 | 486,992 | 8.5% | 426,196 | 392,758 | 93,764 | 85,953 | 1,212 | 1,295 | 7,307 | 6,987 |
| Arizona | 211,768 | 187,755 | 13.0% | 164,583 | 143,957 | 46,845 | 43,447 | 340 | 351 | 0 | 0 |
| Colorado | 83,065 | 72,792 | 14.0% | 69,744 | 60,746 | 13,077 | 11,840 | 28 | 7 | 215 | 198 |
| Idaho | 16,756 | 15,466 | 8.3% | 8,871 | 7,503 | 7,430 | 7,546 | 101 | 96 | 354 | 321 |
| Montana | 2,504 | 2,967 | -16.0% | 2,275 | 2,204 | 214 | 752 | 0 | 0 | 15 | 11 |
| Nevada | 111,480 | 104,568 | 6.6% | 101,166 | 94,286 | 8,733 | 8,633 | 141 | 156 | 1,440 | 1,493 |
| New Mexico | 59,610 | 57,356 | 3.9% | 42,038 | 43,973 | 17,173 | 13,033 | 279 | 300 | 121 | 50 |
| Utah | 37,780 | 42,244 | -11.0% | 34,961 | 38,472 | 283 | 693 | 322 | 385 | 2,214 | 2,694 |
| Wyoming | 5,517 | 3,845 | 43.0% | 2,559 | 1,617 | 9 | 10 | 0 | 0 | 2,949 | 2,218 |
| Pacific Contiguous | 433,145 | 419,391 | 3.3% | 177,415 | 168,111 | 210,949 | 207,411 | 5,383 | 5,796 | 39,398 | 38,073 |
| California | 315,642 | 298,961 | 5.6% | 106,620 | 102,018 | 166,571 | 153,768 | 5,218 | 5,637 | 37,234 | 37,538 |
| Oregon | 69,627 | 74,290 | -6.3% | 36,271 | 36,334 | 32,751 | 37,558 | 132 | 130 | 473 | 268 |
| Washington | 47,876 | 46,140 | 3.8% | 34,524 | 29,759 | 11,627 | 16,085 | 34 | 29 | 1,691 | 267 |
| Pacific Noncontiguous | 17,699 | 16,939 | 4.5% | 17,540 | 16,762 | 0 | 0 | 0 | 0 | 159 | 176 |
| Alaska | 17,699 | 16,939 | 4.5% | 17,540 | 16,762 | 0 | 0 | 0 | 0 | 159 | 176 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 6,846,486 | 6,384,300 | 7.2% | 3,580,340 | 3,306,828 | 2,897,594 | 2,716,069 | 29,166 | 30,593 | 339,387 | 330,810 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.12.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, July 2020 and July 2019 (Million Cubic Feet)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | Commercial Sector | | Industrial Sector | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 780 | 884 | -12.0% | 0 | 0 | 761 | 877 | 19 | 7 | 0 | 0 |
| Connecticut | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| Maine | 50 | 51 | -2.2% | 0 | 0 | 50 | 51 | 0 | 0 | 0 | 0 |
| Massachusetts | 303 | 311 | -2.4% | 0 | 0 | 303 | 311 | 0 | 0 | 0 | 0 |
| New Hampshire | 86 | 79 | 8.6% | 0 | 0 | 67 | 72 | 19 | 7 | 0 | 0 |
| Rhode Island | 310 | 406 | -24.0% | 0 | 0 | 310 | 406 | 0 | 0 | 0 | 0 |
| Vermont | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| Middle Atlantic | 2,969 | 3,975 | -25.0% | 0 | 0 | 2,853 | 3,848 | NM | NM | 61 | 72 |
| New Jersey | 368 | 529 | -30.0% | 0 | 0 | 352 | 514 | NM | NM | 0 | 0 |
| New York | 1,225 | 1,268 | -3.4% | 0 | 0 | 1,225 | 1,268 | 0 | 0 | 0 | 0 |
| Pennsylvania | 1,376 | 2,178 | -37.0% | 0 | 0 | 1,276 | 2,066 | NM | NM | 61 | 72 |
| East North Central | 4,737 | 4,953 | -4.4% | 736 | 766 | 3,965 | 4,138 | 19 | 27 | 17 | 22 |
| Illinois | 846 | 861 | -1.7% | 204 | 200 | 641 | 661 | 0 | 0 | 0 | 0 |
| Indiana | 633 | 661 | -4.3% | 532 | 566 | 102 | 96 | 0 | 0 | 0 | 0 |
| Michigan | 1,576 | 1,657 | -4.9% | 0 | 0 | 1,576 | 1,657 | 0 | 0 | 0 | 0 |
| Ohio | 897 | 924 | -2.9% | 0 | 0 | 897 | 924 | 0 | 0 | 0 | 0 |
| Wisconsin | 785 | 851 | -7.7% | 0 | 0 | 749 | 801 | 19 | 27 | 17 | 22 |
| West North Central | 756 | 704 | 7.3% | 242 | 229 | 514 | 476 | 0 | 0 | 0 | 0 |
| Iowa | 207 | 162 | 28.0% | 0 | 0 | 207 | 162 | 0 | 0 | 0 | 0 |
| Kansas | 120 | 123 | -2.5% | 0 | 0 | 120 | 123 | 0 | 0 | 0 | 0 |
| Minnesota | 163 | 167 | -2.2% | 49 | 49 | 114 | 117 | 0 | 0 | 0 | 0 |
| Missouri | 129 | 132 | -1.7% | 58 | 58 | 72 | 73 | 0 | 0 | 0 | 0 |
| Nebraska | 136 | 121 | 12.0% | 136 | 121 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 3,946 | 3,899 | 1.2% | 356 | 291 | 3,403 | 3,406 | NM | NM | 121 | NM |
| Delaware | 87 | 88 | -1.4% | 0 | 0 | 78 | 79 | 0 | 0 | NM | NM |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 811 | 757 | 7.1% | 172 | 100 | 639 | 657 | 0 | 0 | 0 | 0 |
| Georgia | 525 | 565 | -6.9% | 0 | 0 | 513 | 553 | 0 | 0 | 12 | 12 |
| Maryland | 160 | 188 | -15.0% | 0 | 0 | 126 | 129 | NM | NM | 0 | 0 |
| North Carolina | 889 | 849 | 4.8% | 0 | 0 | 872 | 834 | NM | NM | 0 | 0 |
| South Carolina | 308 | 306 | 0.6% | 181 | 184 | NM | NM | 0 | 0 | NM | NM |
| Virginia | 1,166 | 1,146 | 1.7% | 3 | 7 | 1,148 | 1,125 | NM | NM | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 406 | 417 | -2.7% | 171 | 176 | 235 | 241 | 0 | 0 | 0 | 0 |
| Alabama | 63 | 65 | -2.4% | 0 | 0 | 63 | 65 | 0 | 0 | 0 | 0 |
| Kentucky | 185 | 191 | -3.0% | 171 | 176 | 14 | 15 | 0 | 0 | 0 | 0 |
| Mississippi | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| Tennessee | 138 | 141 | -2.4% | 0 | 0 | 138 | 141 | 0 | 0 | 0 | 0 |
| West South Central | 878 | 917 | -4.2% | 0 | 0 | 878 | 917 | 0 | 0 | 0 | 0 |
| Arkansas | 90 | 92 | -2.4% | 0 | 0 | 90 | 92 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | NM | 38 | NM | 0 | 0 | NM | 38 | 0 | 0 | 0 | 0 |
| Texas | 751 | 786 | -4.5% | 0 | 0 | 751 | 786 | 0 | 0 | 0 | 0 |
| Mountain | 432 | 493 | -12.0% | NM | NM | 370 | 430 | 41 | 42 | 0 | 0 |
| Arizona | 72 | 74 | -2.5% | 0 | 0 | 72 | 74 | 0 | 0 | 0 | 0 |
| Colorado | 81 | 83 | -2.5% | 0 | 0 | 81 | 83 | 0 | 0 | 0 | 0 |
| Idaho | 44 | 41 | 6.9% | NM | NM | NM | NM | 16 | 13 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 120 | 122 | -2.2% | 0 | 0 | 120 | 122 | 0 | 0 | 0 | 0 |
| New Mexico | NM | NM | NM | 0 | 0 | NM | NM | 0 | 0 | 0 | 0 |
| Utah | 107 | 165 | -35.0% | 0 | 0 | 83 | 136 | 24 | 29 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 4,355 | 4,302 | 1.2% | 111 | 110 | 3,170 | 3,196 | 1,074 | 996 | 0 | 0 |
| California | 3,808 | 3,758 | 1.3% | NM | NM | 2,753 | 2,780 | 1,047 | 971 | 0 | 0 |
| Oregon | 455 | 449 | 1.3% | 104 | 103 | 324 | 321 | NM | NM | 0 | 0 |
| Washington | 93 | 95 | -2.4% | 0 | 0 | 93 | 95 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 65 | 63 | 3.9% | 0 | 0 | 0 | 0 | 65 | 63 | 0 | 0 |
| Alaska | 65 | 63 | 3.9% | 0 | 0 | 0 | 0 | 65 | 63 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 19,326 | 20,607 | -6.2% | 1,638 | 1,593 | 16,149 | 17,528 | 1,339 | 1,277 | 199 | 209 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.12.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Million Cubic Feet)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 5,805 | 5,604 | 3.6% | 0 | 0 | 5,697 | 5,473 | 108 | 130 | 0 | 0 |
| Connecticut | 107 | 129 | -17.0% | 0 | 0 | 107 | 129 | 0 | 0 | 0 | 0 |
| Maine | 348 | 341 | 1.8% | 0 | 0 | 348 | 341 | 0 | 0 | 0 | 0 |
| Massachusetts | 2,105 | 2,058 | 2.2% | 0 | 0 | 2,105 | 2,058 | 0 | 0 | 0 | 0 |
| New Hampshire | 572 | 599 | -4.6% | 0 | 0 | 464 | 469 | 108 | 130 | 0 | 0 |
| Rhode Island | 2,544 | 2,348 | 8.3% | 0 | 0 | 2,544 | 2,348 | 0 | 0 | 0 | 0 |
| Vermont | 130 | 127 | 2.4% | 0 | 0 | 130 | 127 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 24,524 | 27,034 | -9.3% | 0 | 0 | 23,750 | 26,105 | 243 | 308 | 532 | 621 |
| New Jersey | 2,887 | 3,773 | -23.0% | 0 | 0 | 2,812 | 3,682 | NM | 91 | 0 | 0 |
| New York | 8,648 | 8,676 | -0.3% | 0 | 0 | 8,648 | 8,676 | 0 | 0 | 0 | 0 |
| Pennsylvania | 12,989 | 14,585 | -11.0% | 0 | 0 | 12,289 | 13,747 | 168 | 217 | 532 | 621 |
| East North Central | 33,252 | 34,014 | -2.2% | 5,162 | 5,186 | 27,764 | 28,440 | 183 | 239 | 144 | 148 |
| Illinois | 5,826 | 5,786 | 0.7% | 1,396 | 1,379 | 4,431 | 4,407 | 0 | 0 | 0 | 0 |
| Indiana | 4,444 | 4,459 | -0.3% | 3,766 | 3,808 | 679 | 651 | 0 | 0 | 0 | 0 |
| Michigan | 11,293 | 11,442 | -1.3% | 0 | 0 | 11,293 | 11,442 | 0 | 0 | 0 | 0 |
| Ohio | 6,019 | 6,485 | -7.2% | 0 | 0 | 6,019 | 6,485 | 0 | 0 | 0 | 0 |
| Wisconsin | 5,669 | 5,842 | -3.0% | 0 | 0 | 5,343 | 5,454 | 183 | 239 | 144 | 148 |
| West North Central | 5,238 | 5,002 | 4.7% | 1,670 | 1,661 | 3,568 | 3,341 | 0 | 0 | 0 | 0 |
| Iowa | 1,454 | 1,278 | 14.0% | 0 | 0 | 1,454 | 1,278 | 0 | 0 | 0 | 0 |
| Kansas | 829 | 809 | 2.5% | 0 | 0 | 829 | 809 | 0 | 0 | 0 | 0 |
| Minnesota | 1,145 | 1,125 | 1.8% | 357 | 357 | 788 | 768 | 0 | 0 | 0 | 0 |
| Missouri | 923 | 914 | 1.1% | 426 | 427 | 498 | 487 | 0 | 0 | 0 | 0 |
| Nebraska | 886 | 877 | 1.1% | 886 | 877 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 27,410 | 27,283 | 0.5% | 2,416 | 2,192 | 23,697 | 23,533 | 428 | 671 | 869 | 887 |
| Delaware | 606 | 594 | 2.0% | 0 | 0 | 544 | 534 | 0 | 0 | 62 | 60 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 5,518 | 5,299 | 4.1% | 1,095 | 872 | 4,423 | 4,426 | 0 | 0 | 0 | 0 |
| Georgia | 3,616 | 3,924 | -7.9% | 0 | 0 | 3,544 | 3,844 | 0 | 0 | 72 | 81 |
| Maryland | 1,122 | 1,332 | -16.0% | 0 | 0 | 877 | 860 | 244 | 473 | 0 | 0 |
| North Carolina | 5,939 | 5,792 | 2.5% | 0 | 0 | 5,856 | 5,696 | NM | 96 | 0 | 0 |
| South Carolina | 2,219 | 2,212 | 0.3% | 1,291 | 1,277 | 194 | 190 | 0 | 0 | 734 | 746 |
| Virginia | 8,391 | 8,130 | 3.2% | 30 | 43 | 8,260 | 7,984 | NM | 103 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 2,829 | 2,782 | 1.7% | 1,187 | 1,174 | 1,642 | 1,608 | 0 | 0 | 0 | 0 |
| Alabama | 439 | 429 | 2.2% | 0 | 0 | 439 | 429 | 0 | 0 | 0 | 0 |
| Kentucky | 1,299 | 1,286 | 1.0% | 1,187 | 1,174 | 112 | 112 | 0 | 0 | 0 | 0 |
| Mississippi | 137 | 134 | 2.4% | 0 | 0 | 137 | 134 | 0 | 0 | 0 | 0 |
| Tennessee | 954 | 932 | 2.3% | 0 | 0 | 954 | 932 | 0 | 0 | 0 | 0 |
| West South Central | 6,073 | 6,494 | -6.5% | 0 | 0 | 6,073 | 6,305 | 0 | 189 | 0 | 0 |
| Arkansas | 623 | 610 | 2.2% | 0 | 0 | 623 | 610 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 257 | 251 | 2.4% | 0 | 0 | 257 | 251 | 0 | 0 | 0 | 0 |
| Texas | 5,192 | 5,633 | -7.8% | 0 | 0 | 5,192 | 5,444 | 0 | 189 | 0 | 0 |
| Mountain | 3,106 | 3,268 | -5.0% | 148 | 148 | 2,658 | 2,882 | 301 | 239 | 0 | 0 |
| Arizona | 496 | 484 | 2.4% | 0 | 0 | 496 | 484 | 0 | 0 | 0 | 0 |
| Colorado | 561 | 548 | 2.5% | 0 | 0 | 561 | 548 | 0 | 0 | 0 | 0 |
| Idaho | 306 | 291 | 5.1% | 148 | 148 | 50 | NM | 109 | 92 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 838 | 823 | 1.9% | 0 | 0 | 838 | 823 | 0 | 0 | 0 | 0 |
| New Mexico | 61 | NM | NM | 0 | 0 | 61 | NM | 0 | 0 | 0 | 0 |
| Utah | 844 | 1,061 | -20.0% | 0 | 0 | 651 | 915 | 192 | 146 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 29,477 | 27,552 | 7.0% | 805 | 723 | 21,320 | 20,553 | 7,352 | 6,275 | 0 | 0 |
| California | 25,727 | 23,956 | 7.4% | 102 | NM | 18,469 | 17,831 | 7,156 | 6,079 | 0 | 0 |
| Oregon | 3,104 | 2,963 | 4.8% | 703 | 677 | 2,205 | 2,090 | 196 | 196 | 0 | 0 |
| Washington | 646 | 632 | 2.2% | 0 | 0 | 646 | 632 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 448 | 390 | 15.0% | 0 | 0 | 0 | 0 | 448 | 390 | 0 | 0 |
| Alaska | 448 | 390 | 15.0% | 0 | 0 | 0 | 0 | 448 | 390 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 138,162 | 139,422 | -0.9% | 11,387 | 11,084 | 116,168 | 118,240 | 9,063 | 8,442 | 1,544 | 1,656 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.13.A. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, July 2020 and July 2019 (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | Commercial Sector | | Industrial Sector | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 279 | 276 | 1.1% | 0 | 0 | 267 | 266 | 12 | 10 | 0 | 0 |
| Connecticut | 100 | 94 | 6.8% | 0 | 0 | 100 | 94 | 0 | 0 | 0 | 0 |
| Maine | 22 | 20 | 13.0% | 0 | 0 | 11 | 10 | 12 | 10 | 0 | 0 |
| Massachusetts | 147 | 153 | -3.8% | 0 | 0 | 147 | 153 | 0 | 0 | 0 | 0 |
| New Hampshire | 10 | 10 | -2.4% | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 436 | 447 | -2.6% | 0 | 0 | 344 | 356 | 92 | 92 | 0 | 0 |
| New Jersey | 114 | 110 | 3.7% | 0 | 0 | 84 | 81 | 30 | 29 | 0 | 0 |
| New York | 155 | 171 | -9.6% | 0 | 0 | 114 | 130 | 41 | 42 | 0 | 0 |
| Pennsylvania | 167 | 166 | 0.6% | 0 | 0 | 146 | 145 | 21 | 21 | 0 | 0 |
| East North Central | 14 | 15 | -2.3% | 2 | 3 | 0 | 0 | 12 | 12 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 2 | 1 | 28.0% | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| Michigan | 10 | 10 | 1.2% | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 2 | 3 | -26.0% | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 44 | 43 | 0.9% | 24 | 24 | 20 | 19 | NM | NM | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 44 | 43 | 0.9% | 24 | 24 | 20 | 19 | NM | NM | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 463 | 466 | -0.7% | 0 | 0 | 427 | 434 | 35 | 32 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 315 | 316 | -0.3% | 0 | 0 | 315 | 316 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 48 | 57 | -16.0% | 0 | 0 | 48 | 57 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 100 | 93 | 7.3% | 0 | 0 | 65 | 61 | 35 | 32 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 1 | 1 | -19.0% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 1 | 1 | -19.0% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 62 | 57 | 8.7% | 0 | 0 | 62 | 57 | 0 | 0 | 0 | 0 |
| California | 38 | 33 | 17.0% | 0 | 0 | 38 | 33 | 0 | 0 | 0 | 0 |
| Oregon | 9 | 10 | -6.3% | 0 | 0 | 9 | 10 | 0 | 0 | 0 | 0 |
| Washington | 14 | 14 | 0.8% | 0 | 0 | 14 | 14 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 39 | 40 | -2.6% | 0 | 0 | 0 | 0 | 39 | 40 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 39 | 40 | -2.6% | 0 | 0 | 0 | 0 | 39 | 40 | 0 | 0 |
| U.S. Total | 1,337 | 1,345 | -0.6% | 26 | 27 | 1,120 | 1,132 | 190 | 185 | 1 | 1 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 2.13.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Thousand Tons)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 1,897 | 1,885 | 0.6% | 0 | 0 | 1,825 | 1,801 | 72 | 84 | 0 | 0 |
| Connecticut | 675 | 654 | 3.2% | 0 | 0 | 675 | 654 | 0 | 0 | 0 | 0 |
| Maine | 136 | 147 | -7.9% | 0 | 0 | 64 | 63 | 72 | 84 | 0 | 0 |
| Massachusetts | 1,019 | 1,016 | 0.3% | 0 | 0 | 1,019 | 1,016 | 0 | 0 | 0 | 0 |
| New Hampshire | 66 | 68 | -1.9% | 0 | 0 | 66 | 68 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 2,930 | 2,892 | 1.3% | 0 | 0 | 2,335 | 2,291 | 595 | 602 | 0 | 0 |
| New Jersey | 753 | 737 | 2.2% | 0 | 0 | 559 | 545 | 194 | 192 | 0 | 0 |
| New York | 1,080 | 1,058 | 2.1% | 0 | 0 | 809 | 784 | 270 | 274 | 0 | 0 |
| Pennsylvania | 1,096 | 1,098 | -0.1% | 0 | 0 | 967 | 961 | 130 | 136 | 0 | 0 |
| East North Central | 97 | 110 | -12.0% | 18 | 20 | 0 | 0 | 79 | 90 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 12 | 10 | 17.0% | 0 | 0 | 0 | 0 | 12 | 10 | 0 | 0 |
| Michigan | 67 | 79 | -16.0% | 0 | 0 | 0 | 0 | 67 | 79 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 18 | 20 | -9.7% | 18 | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 272 | 269 | 1.2% | 142 | 155 | 131 | 115 | 0 | 0 | 0 | 0 |
| Iowa | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 272 | 269 | 1.2% | 142 | 155 | 131 | 115 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 3,017 | 3,073 | -1.8% | 0 | 0 | 2,773 | 2,824 | 245 | 250 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 2,064 | 2,045 | 0.9% | 0 | 0 | 2,064 | 2,045 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 293 | 361 | -19.0% | 0 | 0 | 293 | 361 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 660 | 668 | -1.2% | 0 | 0 | 415 | 418 | 245 | 250 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 6 | 6 | 8.6% | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 6 | 6 | 8.6% | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 359 | 373 | -3.6% | 0 | 0 | 359 | 373 | 0 | 0 | 0 | 0 |
| California | 216 | 220 | -1.9% | 0 | 0 | 216 | 220 | 0 | 0 | 0 | 0 |
| Oregon | 54 | 64 | -16.0% | 0 | 0 | 54 | 64 | 0 | 0 | 0 | 0 |
| Washington | 89 | 88 | 0.9% | 0 | 0 | 89 | 88 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 253 | 265 | -4.3% | 0 | 0 | 0 | 0 | 253 | 265 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 253 | 265 | -4.3% | 0 | 0 | 0 | 0 | 253 | 265 | 0 | 0 |
| U.S. Total | 8,832 | 8,874 | -0.5% | 160 | 175 | 7,422 | 7,403 | 1,243 | 1,290 | 6 | 6 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, July 2020 and July 2019 (Billion Btus)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 3,173 | 4,526 | -30.0% | 427 | 907 | 2,277 | 3,102 | 0 | 1 | 469 | 515 |
| Connecticut | NM | 276 | NM | 0 | 0 | NM | 276 | 0 | 0 | 0 | 0 |
| Maine | 1,245 | 1,710 | -27.0% | 0 | 0 | 776 | 1,195 | 0 | 0 | 469 | 515 |
| Massachusetts | NM | 183 | NM | 0 | 0 | NM | 183 | 0 | 0 | 0 | 0 |
| New Hampshire | 997 | 1,735 | -42.0% | 0 | 488 | 997 | 1,247 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 572 | 622 | -8.1% | 427 | 420 | NM | 201 | 0 | 1 | 0 | 0 |
| Middle Atlantic | 787 | 765 | 2.9% | 0 | 0 | 522 | 475 | 0 | 0 | 265 | 290 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 592 | 556 | 6.6% | 0 | 0 | 521 | 474 | 0 | 0 | 71 | 82 |
| Pennsylvania | 194 | 209 | -7.1% | 0 | 0 | 0 | 1 | 0 | 0 | 194 | 209 |
| East North Central | 1,981 | 2,103 | -5.8% | 460 | 409 | 946 | 1,086 | 0 | 0 | 575 | 607 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 1,211 | 1,367 | -11.0% | 0 | 0 | 937 | 1,076 | 0 | 0 | 274 | 291 |
| Ohio | 104 | 101 | 2.4% | 0 | 0 | 9 | 11 | 0 | 0 | 94 | 90 |
| Wisconsin | 667 | 635 | 5.0% | 460 | 409 | 0 | 0 | 0 | 0 | 207 | 226 |
| West North Central | 539 | 537 | 0.4% | NM | 101 | 117 | 125 | 74 | 85 | 250 | 225 |
| Iowa | 4 | 7 | -47.0% | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 504 | 501 | 0.5% | NM | 101 | 117 | 125 | 38 | 49 | 250 | 225 |
| Missouri | 32 | 29 | 8.4% | 0 | 0 | 0 | 0 | 32 | 29 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 10,157 | 10,946 | -7.2% | 1,990 | 2,524 | 3,033 | 2,862 | 15 | 15 | 5,118 | 5,544 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 1,412 | 1,746 | -19.0% | 541 | 785 | NM | 162 | 0 | 0 | 762 | 799 |
| Georgia | 3,630 | 3,290 | 10.0% | 0 | 0 | 1,590 | 1,053 | 0 | 0 | 2,040 | 2,237 |
| Maryland | 15 | 15 | -4.9% | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 |
| North Carolina | 1,057 | 1,211 | -13.0% | 0 | 0 | 501 | 750 | 0 | 0 | 556 | 460 |
| South Carolina | 1,359 | 1,588 | -14.0% | 0 | 141 | 563 | 567 | 0 | 0 | 796 | 879 |
| Virginia | 2,684 | 3,095 | -13.0% | 1,450 | 1,598 | NM | 329 | 0 | 0 | 964 | 1,168 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 2,963 | 3,290 | -9.9% | 0 | 0 | 0 | 130 | 0 | 0 | 2,963 | 3,160 |
| Alabama | 1,979 | 2,198 | -9.9% | 0 | 0 | 0 | 130 | 0 | 0 | 1,979 | 2,068 |
| Kentucky | 140 | 159 | -12.0% | 0 | 0 | 0 | 0 | 0 | 0 | 140 | 159 |
| Mississippi | 583 | 611 | -4.6% | 0 | 0 | 0 | 0 | 0 | 0 | 583 | 611 |
| Tennessee | 262 | 322 | -19.0% | 0 | 0 | 0 | 0 | 0 | 0 | 262 | 322 |
| West South Central | 1,708 | 2,224 | -23.0% | 0 | 0 | 0 | 80 | 0 | 0 | 1,708 | 2,145 |
| Arkansas | 361 | 601 | -40.0% | 0 | 0 | 0 | 0 | 0 | 0 | 361 | 601 |
| Louisiana | 877 | 1,042 | -16.0% | 0 | 0 | 0 | 0 | 0 | 0 | 877 | 1,042 |
| Oklahoma | 129 | 138 | -6.8% | 0 | 0 | 0 | 0 | 0 | 0 | 129 | 138 |
| Texas | 341 | 443 | -23.0% | 0 | 0 | 0 | 80 | 0 | 0 | 341 | 363 |
| Mountain | 436 | 587 | -26.0% | 0 | 0 | 351 | 413 | 0 | 0 | 85 | 174 |
| Arizona | NM | 271 | NM | 0 | 0 | NM | 271 | 0 | 0 | 0 | 0 |
| Colorado | 126 | 113 | 12.0% | 0 | 0 | 126 | 113 | 0 | 0 | 0 | 0 |
| Idaho | 96 | 182 | -47.0% | 0 | 0 | 34 | 29 | 0 | 0 | 62 | 153 |
| Montana | 23 | 21 | 8.3% | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 21 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 5,250 | 5,877 | -11.0% | NM | 436 | 3,155 | 3,483 | 0 | 0 | 1,772 | 1,959 |
| California | 3,692 | 4,055 | -9.0% | 0 | 0 | 2,940 | 3,222 | 0 | 0 | 752 | 834 |
| Oregon | 620 | 736 | -16.0% | 0 | 0 | NM | 261 | 0 | 0 | 405 | 475 |
| Washington | 938 | 1,086 | -14.0% | NM | 436 | 0 | 0 | 0 | 0 | 615 | 650 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 26,993 | 30,855 | -13.0% | 3,299 | 4,378 | 10,401 | 11,756 | 88 | 101 | 13,205 | 14,620 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, Year-to-Date through July 2020 and July 2019 (Billion Btus)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 21,623 | 28,520 | -24.0% | 2,365 | 4,319 | 16,091 | 20,980 | 4 | 6 | 3,164 | 3,215 |
| Connecticut | 1,517 | 1,836 | -17.0% | 0 | 0 | 1,517 | 1,836 | 0 | 0 | 0 | 0 |
| Maine | 8,402 | 11,381 | -26.0% | 0 | 0 | 5,238 | 8,166 | 0 | 0 | 3,164 | 3,215 |
| Massachusetts | 1,092 | 1,240 | -12.0% | 0 | 0 | 1,092 | 1,240 | 0 | 0 | 0 | 0 |
| New Hampshire | 7,420 | 10,884 | -32.0% | 388 | 2,523 | 7,032 | 8,361 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 3,192 | 3,180 | 0.4% | 1,977 | 1,796 | 1,211 | 1,377 | 4 | 6 | 0 | 0 |
| Middle Atlantic | 5,091 | 5,085 | 0.1% | 0 | 0 | 3,315 | 3,190 | 0 | 0 | 1,775 | 1,895 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 3,788 | 3,729 | 1.6% | 0 | 0 | 3,315 | 3,189 | 0 | 0 | 473 | 540 |
| Pennsylvania | 1,303 | 1,356 | -4.0% | 0 | 0 | 0 | 1 | 0 | 0 | 1,302 | 1,355 |
| East North Central | 11,957 | 13,789 | -13.0% | 2,194 | 2,516 | 5,724 | 7,074 | 0 | 0 | 4,038 | 4,199 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 7,575 | 9,065 | -16.0% | 0 | 0 | 5,672 | 6,996 | 0 | 0 | 1,903 | 2,069 |
| Ohio | 708 | 641 | 10.0% | 0 | 0 | 52 | 78 | 0 | 0 | 656 | 563 |
| Wisconsin | 3,674 | 4,083 | -10.0% | 2,194 | 2,516 | 0 | 0 | 0 | 0 | 1,480 | 1,567 |
| West North Central | 3,148 | 3,377 | -6.8% | 492 | 616 | 821 | 830 | 210 | 264 | 1,626 | 1,666 |
| Iowa | 31 | 38 | -19.0% | 0 | 0 | 0 | 0 | 31 | 38 | 0 | 0 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 2,983 | 3,210 | -7.1% | 492 | 616 | 821 | 830 | 45 | 97 | 1,626 | 1,666 |
| Missouri | 134 | 129 | 3.9% | 0 | 0 | 0 | 0 | 134 | 129 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 70,455 | 72,004 | -2.2% | 12,340 | 16,357 | 21,239 | 18,224 | 86 | 85 | 36,789 | 37,338 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 9,893 | 11,945 | -17.0% | 3,709 | 5,164 | 1,007 | 1,560 | 0 | 0 | 5,178 | 5,221 |
| Georgia | 25,173 | 20,571 | 22.0% | 0 | 0 | 10,377 | 5,813 | 0 | 0 | 14,796 | 14,758 |
| Maryland | 86 | 342 | -75.0% | 0 | 0 | 0 | 0 | 86 | 85 | 0 | 257 |
| North Carolina | 8,219 | 8,843 | -7.1% | 0 | 0 | 4,320 | 5,163 | 0 | 0 | 3,899 | 3,680 |
| South Carolina | 9,505 | 10,180 | -6.6% | 494 | 1,080 | 3,710 | 3,492 | 0 | 0 | 5,301 | 5,608 |
| Virginia | 17,578 | 20,123 | -13.0% | 8,137 | 10,113 | 1,826 | 2,197 | 0 | 0 | 7,616 | 7,813 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 20,674 | 20,917 | -1.2% | 0 | 0 | 0 | 878 | 0 | 0 | 20,674 | 20,039 |
| Alabama | 13,637 | 13,860 | -1.6% | 0 | 0 | 0 | 878 | 0 | 0 | 13,637 | 12,982 |
| Kentucky | 940 | 934 | 0.6% | 0 | 0 | 0 | 0 | 0 | 0 | 940 | 934 |
| Mississippi | 3,887 | 3,699 | 5.1% | 0 | 0 | 0 | 0 | 0 | 0 | 3,887 | 3,699 |
| Tennessee | 2,210 | 2,424 | -8.8% | 0 | 0 | 0 | 0 | 0 | 0 | 2,210 | 2,424 |
| West South Central | 12,968 | 15,295 | -15.0% | 0 | 0 | 194 | 374 | 0 | 0 | 12,774 | 14,921 |
| Arkansas | 2,615 | 4,066 | -36.0% | 0 | 0 | 0 | 0 | 0 | 0 | 2,615 | 4,066 |
| Louisiana | 6,630 | 7,372 | -10.0% | 0 | 0 | 0 | 0 | 0 | 0 | 6,630 | 7,372 |
| Oklahoma | 1,051 | 956 | 9.9% | 0 | 0 | 0 | 0 | 0 | 0 | 1,051 | 956 |
| Texas | 2,673 | 2,901 | -7.9% | 0 | 0 | 194 | 374 | 0 | 0 | 2,479 | 2,527 |
| Mountain | 3,609 | 3,850 | -6.3% | 0 | 0 | 2,597 | 2,756 | 0 | 0 | 1,012 | 1,094 |
| Arizona | 1,648 | 1,861 | -11.0% | 0 | 0 | 1,648 | 1,861 | 0 | 0 | 0 | 0 |
| Colorado | 761 | 719 | 5.8% | 0 | 0 | 761 | 719 | 0 | 0 | 0 | 0 |
| Idaho | 1,053 | 1,132 | -6.9% | 0 | 0 | 188 | 176 | 0 | 0 | 866 | 956 |
| Montana | 147 | 138 | 6.6% | 0 | 0 | 0 | 0 | 0 | 0 | 147 | 138 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 36,590 | 39,230 | -6.7% | 2,575 | 2,963 | 21,909 | 23,870 | 0 | 0 | 12,107 | 12,397 |
| California | 25,340 | 27,330 | -7.3% | 0 | 0 | 20,467 | 22,132 | 0 | 0 | 4,873 | 5,198 |
| Oregon | 4,236 | 4,483 | -5.5% | 0 | 0 | 1,441 | 1,739 | 0 | 0 | 2,795 | 2,745 |
| Washington | 7,014 | 7,417 | -5.4% | 2,575 | 2,963 | 0 | 0 | 0 | 0 | 4,439 | 4,454 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 186,115 | 202,069 | -7.9% | 19,965 | 26,772 | 71,890 | 78,178 | 300 | 355 | 93,960 | 96,765 |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

# Chapter 3

# Fossil-Fuel Stocks for Electricity Generation

## Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2010 - July 2020

| | Electric Power Sector | | | Electric Utilities | | | Independent Power Producers | | |
|---|---|---|---|---|---|---|---|---|---|
| Period | Coal (Thousand Tons) | Petroluem Liquids (Thousand Barrels) | Petroleum Coke (Thousand Tons) | Coal (Thousand Tons) | Petroluem Liquids (Thousand Barrels) | Petroleum Coke (Thousand Tons) | Coal (Thousand Tons) | Petroluem Liquids (Thousand Barrels) | Petroleum Coke (Thousand Tons) |
| End of Year Stocks | | | | | | | | | |
| 2010 | 174,917 | 34,841 | 1,019 | 143,744 | 23,934 | 850 | 31,173 | 10,908 | 168 |
| 2011 | 172,387 | 33,742 | 508 | 142,103 | 24,544 | 404 | 30,284 | 9,198 | 104 |
| 2012 | 185,116 | 30,862 | 495 | 150,942 | 22,513 | 414 | 34,174 | 8,349 | 81 |
| 2013 | 147,884 | 30,387 | 390 | 120,792 | 21,208 | 303 | 27,092 | 9,179 | 86 |
| 2014 | 151,548 | 32,322 | 827 | 116,684 | 21,304 | 686 | 34,864 | 11,018 | 142 |
| 2015 | 195,548 | 31,694 | 1,340 | 153,226 | 20,253 | 1,163 | 42,322 | 11,441 | 177 |
| 2016 | 162,009 | 30,593 | 845 | 130,885 | 19,767 | 603 | 31,124 | 10,827 | 241 |
| 2017 | 137,687 | 28,089 | 864 | 114,782 | 19,047 | 692 | 22,905 | 9,041 | 171 |
| 2018 | 102,793 | 25,977 | 539 | 84,728 | 16,553 | 521 | 18,065 | 9,423 | 19 |
| 2019 | 128,497 | 25,976 | 443 | 104,344 | 16,642 | 429 | 24,153 | 9,333 | 14 |
| Year 2018, End of Month Stocks | | | | | | | | | |
| January | 123,235 | 25,853 | 720 | 103,761 | 17,653 | 579 | 19,474 | 8,200 | 141 |
| February | 120,526 | 26,831 | 692 | 101,532 | 18,213 | 561 | 18,994 | 8,618 | 131 |
| March | 126,008 | 26,763 | 736 | 106,377 | 18,301 | 612 | 19,631 | 8,462 | 124 |
| April | 128,571 | 26,608 | 731 | 107,870 | 18,236 | 647 | 20,701 | 8,372 | 84 |
| May | 127,982 | 26,794 | 709 | 107,176 | 18,315 | 648 | 20,806 | 8,479 | 61 |
| June | 121,041 | 26,494 | 591 | 101,498 | 17,964 | 526 | 19,544 | 8,530 | 65 |
| July | 110,348 | 25,912 | 668 | 93,099 | 17,412 | 614 | 17,249 | 8,500 | 53 |
| August | 103,744 | 24,815 | 625 | 87,944 | 16,602 | 580 | 15,800 | 8,213 | 45 |
| Sept | 100,384 | 24,595 | 608 | 84,696 | 16,378 | 557 | 15,688 | 8,217 | 51 |
| October | 104,855 | 24,591 | 541 | 87,394 | 16,183 | 511 | 17,461 | 8,409 | 30 |
| November | 104,075 | 24,720 | 557 | 86,252 | 16,114 | 540 | 17,823 | 8,606 | 16 |
| December | 102,793 | 25,977 | 539 | 84,728 | 16,553 | 521 | 18,065 | 9,423 | 19 |
| Year 2019, End of Month Stocks | | | | | | | | | |
| January | 99,378 | 26,026 | 528 | 81,756 | 16,685 | 518 | 17,622 | 9,341 | 9 |
| February | 98,835 | 26,270 | 506 | 81,339 | 16,923 | 495 | 17,497 | 9,347 | 11 |
| March | 97,102 | 26,266 | 498 | 79,627 | 17,016 | 482 | 17,475 | 9,250 | 16 |
| April | 108,852 | 26,382 | 510 | 88,960 | 17,155 | 501 | 19,891 | 9,227 | 10 |
| May | 115,888 | 26,453 | 445 | 93,643 | 17,229 | 435 | 22,245 | 9,224 | 10 |
| June | 117,710 | 26,217 | 389 | 94,364 | 17,016 | 382 | 23,346 | 9,202 | 7 |
| July | 110,933 | 25,850 | 355 | 89,638 | 16,750 | 348 | 21,295 | 9,100 | 8 |
| August | 110,560 | 25,160 | 381 | 89,229 | 16,231 | 373 | 21,331 | 8,929 | 8 |
| Sept | 110,952 | 25,374 | 293 | 89,877 | 16,438 | 282 | 21,075 | 8,935 | 11 |
| October | 119,045 | 25,294 | 283 | 96,515 | 16,414 | 277 | 22,530 | 8,881 | 6 |
| November | 123,033 | 25,550 | 425 | 99,827 | 16,490 | 408 | 23,207 | 9,060 | 17 |
| December | 128,497 | 25,976 | 443 | 104,344 | 16,642 | 429 | 24,153 | 9,333 | 14 |
| Year 2020, End of Month Stocks | | | | | | | | | |
| January | 134,402 | 25,340 | 521 | 108,369 | 16,375 | 518 | 26,033 | 8,965 | 2 |
| February | 139,558 | 25,203 | 615 | 112,442 | 16,308 | 599 | 27,116 | 8,895 | 16 |
| March | 145,451 | 25,392 | 537 | 116,736 | 16,402 | 523 | 28,715 | 8,990 | 14 |
| April | 151,998 | 25,350 | 537 | 122,308 | 16,301 | 521 | 29,690 | 9,049 | 17 |
| May | 154,340 | 25,760 | 525 | 124,071 | 16,522 | 514 | 30,269 | 9,238 | 11 |
| June | 150,728 | 25,839 | 476 | 120,815 | 16,436 | 467 | 29,913 | 9,404 | 9 |
| July | 138,354 | 26,562 | 443 | 110,991 | 16,572 | 424 | 27,363 | 9,990 | 19 |

Notes: See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms. Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

## Table 3.2 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by State, July 2020 and 2019

| Census Division and State | Coal (Thousand Tons) | | | Petroleum Liquids (Thousand Barrels) | | | Petroleum Coke (Thousand Tons) | | |
|---|---|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | Percentage Change |
| New England | W | W | W | 3,675 | 3,373 | 9.0% | 0 | 0 | -- |
| Connecticut | W | W | W | 1,298 | 1,185 | 9.6% | 0 | 0 | -- |
| Maine | 0 | 0 | -- | 322 | 268 | 20.4% | 0 | 0 | -- |
| Massachusetts | 0 | W | W | 1,429 | 1,328 | 7.7% | 0 | 0 | -- |
| New Hampshire | W | W | W | 391 | 355 | 10.2% | 0 | 0 | -- |
| Rhode Island | 0 | 0 | -- | 211 | 197 | 7.0% | 0 | 0 | -- |
| Vermont | 0 | 0 | -- | 23 | 41 | -43.6% | 0 | 0 | -- |
| Middle Atlantic | 3,410 | 4,202 | -18.8% | 5,019 | 5,114 | -1.9% | 0 | 0 | -- |
| New Jersey | W | W | W | 707 | 643 | 9.9% | 0 | 0 | -- |
| New York | 0 | W | W | 2,998 | 3,167 | -5.4% | 0 | 0 | -- |
| Pennsylvania | W | 4,042 | W | 1,314 | 1,303 | 0.8% | 0 | 0 | -- |
| East North Central | 31,836 | 22,952 | 38.7% | 1,607 | 1,044 | 54.0% | W | 71 | W |
| Illinois | 5,687 | 4,606 | 23.5% | NM | 73 | NM | 0 | 0 | -- |
| Indiana | 11,000 | 6,678 | 64.7% | 117 | 83 | 41.8% | 0 | W | W |
| Michigan | 4,626 | 3,784 | 22.2% | 255 | 269 | -5.1% | W | W | W |
| Ohio | 7,358 | 4,619 | 59.3% | 442 | 430 | 2.7% | 0 | 0 | -- |
| Wisconsin | 3,165 | 3,265 | -3.1% | 723 | 189 | 283.7% | W | W | W |
| West North Central | 25,957 | 18,048 | 43.8% | 723 | 805 | -10.2% | 0 | 0 | -- |
| Iowa | 6,982 | 3,097 | 125.4% | NM | 126 | NM | 0 | 0 | -- |
| Kansas | 3,383 | 2,902 | 16.6% | 118 | 110 | 7.6% | 0 | 0 | -- |
| Minnesota | 3,061 | 3,295 | -7.1% | NM | 84 | NM | 0 | 0 | -- |
| Missouri | 7,854 | 5,116 | 53.5% | 304 | 331 | -8.2% | 0 | 0 | -- |
| Nebraska | 2,978 | 2,341 | 27.2% | NM | 90 | NM | 0 | 0 | -- |
| North Dakota | W | W | W | 34 | 24 | 41.8% | 0 | 0 | -- |
| South Dakota | W | W | W | NM | 40 | NM | 0 | 0 | -- |
| South Atlantic | 21,559 | 20,752 | 3.9% | 11,389 | 10,848 | 5.0% | W | W | W |
| Delaware | W | W | W | 687 | 579 | 18.7% | 0 | 0 | -- |
| District of Columbia | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | -- |
| Florida | 2,458 | 3,027 | -18.8% | 3,990 | 3,969 | 0.5% | W | W | W |
| Georgia | 5,361 | 3,896 | 37.6% | 1,056 | 861 | 22.6% | 0 | 0 | -- |
| Maryland | 1,440 | 1,703 | -15.4% | 667 | 676 | -1.4% | 0 | 0 | -- |
| North Carolina | 3,665 | 3,897 | -6.0% | 1,459 | 1,293 | 12.9% | 0 | 0 | -- |
| South Carolina | 2,166 | 2,506 | -13.6% | 822 | 751 | 9.4% | 0 | 0 | -- |
| Virginia | W | W | W | 2,536 | 2,575 | -1.5% | 0 | 0 | -- |
| West Virginia | 5,615 | 4,554 | 23.3% | 173 | 145 | 19.7% | 0 | W | W |
| East South Central | 11,075 | 10,557 | 4.9% | 1,060 | 1,202 | -11.8% | 0 | 0 | -- |
| Alabama | 2,944 | W | W | 212 | 210 | 1.1% | 0 | 0 | -- |
| Kentucky | 5,518 | 5,322 | 3.7% | 225 | 227 | -0.9% | 0 | 0 | -- |
| Mississippi | W | W | W | NM | 36 | NM | 0 | 0 | -- |
| Tennessee | W | 2,810 | W | 616 | 729 | -15.5% | 0 | 0 | -- |
| West South Central | 23,217 | 14,898 | 55.8% | 1,246 | 1,400 | -11.0% | W | W | W |
| Arkansas | 4,325 | 3,263 | 32.5% | 190 | 169 | 13.0% | 0 | 0 | -- |
| Louisiana | 3,523 | 2,445 | 44.1% | 168 | 231 | -27.1% | W | W | W |
| Oklahoma | 2,848 | 2,378 | 19.8% | 111 | 95 | 17.5% | 0 | 0 | -- |
| Texas | 12,520 | 6,811 | 83.8% | 776 | 906 | -14.3% | 0 | 0 | -- |
| Mountain | 18,806 | 17,238 | 9.1% | 377 | 362 | 3.9% | W | W | W |
| Arizona | 3,861 | 3,482 | 10.9% | 119 | 137 | -13.1% | 0 | 0 | -- |
| Colorado | 3,450 | 4,107 | -16.0% | 123 | 117 | 5.5% | 0 | 0 | -- |
| Idaho | 0 | 0 | -- | 0 | 0 | -41.7% | 0 | 0 | -- |
| Montana | W | W | W | 14 | 13 | 7.0% | W | W | W |
| Nevada | W | W | W | 3 | 3 | 28.6% | 0 | 0 | -- |
| New Mexico | W | W | W | NM | 20 | NM | 0 | 0 | -- |
| Utah | 4,589 | 3,057 | 50.2% | 50 | 45 | 10.6% | 0 | 0 | -- |
| Wyoming | 5,261 | 4,153 | 26.7% | 51 | 28 | 85.2% | 0 | 0 | -- |
| Pacific Contiguous | W | W | W | 344 | 355 | -3.1% | 0 | 0 | -- |
| California | 0 | 0 | -- | 176 | 175 | 0.2% | 0 | 0 | -- |
| Oregon | W | W | W | NM | 78 | NM | 0 | 0 | -- |
| Washington | W | W | W | 94 | 101 | -7.2% | 0 | 0 | -- |
| Pacific Noncontiguous | W | W | W | 1,123 | 1,348 | -16.7% | 0 | 0 | -- |
| Alaska | 0 | 0 | -- | NM | 98 | NM | 0 | 0 | -- |
| Hawaii | W | W | W | 1,070 | 1,249 | -14.3% | 0 | 0 | -- |
| U.S. Total | 138,354 | 110,933 | 24.7% | 26,562 | 25,850 | 2.8% | 443 | 355 | 24.6% |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, July 2020 and 2019

| | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| Census Division | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 |
| **Coal (Thousand Tons)** | | | | | | | |
| New England | W | W | W | W | W | W | W |
| Middle Atlantic | 3,410 | 4,202 | -18.8% | W | 0 | W | 4,202 |
| East North Central | 31,836 | 22,952 | 38.7% | 19,932 | 14,736 | 11,903 | 8,216 |
| West North Central | 25,957 | 18,048 | 43.8% | 25,957 | 18,048 | 0 | 0 |
| South Atlantic | 21,559 | 20,752 | 3.9% | 19,451 | 17,898 | 2,108 | 2,854 |
| East South Central | 11,075 | 10,557 | 4.9% | 11,075 | 10,557 | 0 | 0 |
| West South Central | 23,217 | 14,898 | 55.8% | 15,580 | 11,265 | 7,636 | 3,633 |
| Mountain | 18,806 | 17,238 | 9.1% | W | W | W | W |
| Pacific Contiguous | W | W | W | W | W | W | W |
| Pacific Noncontiguous | W | W | W | 0 | 0 | W | W |
| **U.S. Total** | **138,354** | **110,933** | **24.7%** | **110,991** | **89,638** | **27,363** | **21,295** |
| **Petroleum Liquids (Thousand Barrels)** | | | | | | | |
| New England | 3,675 | 3,373 | 9.0% | 499 | 492 | 3,176 | 2,880 |
| Middle Atlantic | 5,019 | 5,114 | -1.9% | 1,976 | 2,028 | 3,043 | 3,086 |
| East North Central | 1,607 | 1,044 | 54.0% | 696 | 682 | 911 | 362 |
| West North Central | 723 | 805 | -10.2% | 702 | 779 | NM | 26 |
| South Atlantic | 11,389 | 10,848 | 5.0% | 9,017 | 8,680 | 2,372 | 2,169 |
| East South Central | 1,060 | 1,202 | -11.8% | 968 | 1,111 | 92 | 91 |
| West South Central | 1,246 | 1,400 | -11.0% | 1,025 | 1,060 | 222 | 339 |
| Mountain | 377 | 362 | 3.9% | 348 | 335 | 29 | 27 |
| Pacific Contiguous | 344 | 355 | -3.1% | 263 | 272 | 81 | 82 |
| Pacific Noncontiguous | 1,123 | 1,348 | -16.7% | 1,079 | 1,309 | 44 | 39 |
| **U.S. Total** | **26,562** | **25,850** | **2.8%** | **16,572** | **16,750** | **9,990** | **9,100** |
| **Petroleum Coke (Thousand Tons)** | | | | | | | |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| East North Central | W | 71 | W | W | 71 | 0 | 0 |
| West North Central | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| South Atlantic | W | W | W | W | W | 0 | W |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| West South Central | W | W | W | W | W | 0 | 0 |
| Mountain | W | W | W | 0 | 0 | W | W |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| **U.S. Total** | **443** | **355** | **24.6%** | **424** | **348** | **19** | **8** |

W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

## Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2010 - July 2020
## (Thousand Tons)

| | Electric Power Sector | | | |
|---|---|---|---|---|
| Period | Bituminous Coal | Subbituminous Coal | Lignite Coal | Total |
| End of Year Stocks | | | | |
| 2010 | 81,108 | 86,915 | 6,894 | 174,917 |
| 2011 | 82,056 | 85,151 | 5,179 | 172,387 |
| 2012 | 86,437 | 93,833 | 4,846 | 185,116 |
| 2013 | 73,113 | 69,720 | 5,051 | 147,884 |
| 2014 | 72,771 | 72,552 | 6,225 | 151,548 |
| 2015 | 82,004 | 108,614 | 4,931 | 195,548 |
| 2016 | 67,241 | 90,376 | 4,393 | 162,009 |
| 2017 | 56,140 | 77,875 | 3,672 | 137,687 |
| 2018 | 41,507 | 58,247 | 3,039 | 102,793 |
| 2019 | 55,103 | 69,988 | 3,124 | 128,497 |
| Year 2018, End of Month Stocks | | | | |
| January | 47,910 | 72,251 | 3,074 | 123,235 |
| February | 47,658 | 69,960 | 2,909 | 120,526 |
| March | 49,027 | 73,768 | 3,213 | 126,008 |
| April | 50,499 | 74,747 | 3,324 | 128,571 |
| May | 51,393 | 73,377 | 3,212 | 127,982 |
| June | 48,411 | 69,439 | 3,191 | 121,041 |
| July | 44,487 | 63,014 | 2,847 | 110,348 |
| August | 42,359 | 58,570 | 2,816 | 103,744 |
| Sept | 40,384 | 57,155 | 2,845 | 100,384 |
| October | 42,588 | 59,252 | 3,016 | 104,855 |
| November | 42,392 | 58,575 | 3,108 | 104,075 |
| December | 41,507 | 58,247 | 3,039 | 102,793 |
| Year 2019, End of Month Stocks | | | | |
| January | 40,184 | 56,311 | 2,883 | 99,378 |
| February | 41,501 | 54,596 | 2,738 | 98,835 |
| March | 44,493 | 49,383 | 3,054 | 97,102 |
| April | 49,163 | 56,333 | 3,344 | 108,852 |
| May | 52,191 | 60,281 | 3,023 | 115,888 |
| June | 54,298 | 60,523 | 2,551 | 117,710 |
| July | 50,265 | 57,646 | 2,670 | 110,933 |
| August | 49,818 | 58,009 | 2,409 | 110,560 |
| Sept | 49,070 | 59,148 | 2,395 | 110,952 |
| October | 51,780 | 64,308 | 2,590 | 119,045 |
| November | 52,799 | 66,935 | 2,959 | 123,033 |
| December | 55,103 | 69,988 | 3,124 | 128,497 |
| Year 2020, End of Month Stocks | | | | |
| January | 56,268 | 74,560 | 3,307 | 134,402 |
| February | 57,374 | 78,705 | 3,235 | 139,558 |
| March | 59,838 | 81,734 | 3,624 | 145,451 |
| April | 61,845 | 85,920 | 3,947 | 151,998 |
| May | 61,513 | 88,352 | 4,117 | 154,340 |
| June | 59,319 | 86,944 | 4,139 | 150,728 |
| July | 53,722 | 79,950 | 4,369 | 138,354 |

Notes: See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
and predecessor forms. Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms. Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following:
Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report;
and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

# Chapter 4

# Receipts and Cost of Fossil Fuels

## Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2010 - July 2020

| | Coal | | | | | | Petroleum Liquids | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMBtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Barrels) | (Dollars per MMBtu) | (Dollars per Barrel) | Average Sulfur Percent by Weight | Percentage of Consumption |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 19,289,661 | 979,918 | 2.27 | 44.64 | 1.16 | 97.9 | 275,058 | 45,472 | 14.02 | 84.80 | 0.51 | 101.1 |
| 2011 | 18,675,843 | 956,538 | 2.39 | 46.65 | 1.19 | 100.0 | 216,752 | 36,158 | 19.94 | 119.54 | 0.60 | 116.1 |
| 2012 | 16,265,578 | 841,183 | 2.38 | 46.09 | 1.25 | 99.5 | 116,937 | 19,464 | 21.85 | 131.28 | 0.51 | 75.7 |
| 2013 | 15,906,809 | 823,222 | 2.34 | 45.33 | 1.29 | 93.7 | 123,964 | 20,413 | 20.56 | 124.90 | 0.46 | 76.5 |
| 2014 | 16,594,722 | 854,560 | 2.37 | 45.96 | 1.32 | 98.0 | 172,421 | 28,514 | 19.87 | 120.26 | 0.46 | 82.3 |
| 2015 | 15,086,208 | 782,929 | 2.22 | 42.86 | 1.29 | 103.5 | 147,647 | 24,320 | 11.49 | 69.79 | 0.48 | 75.8 |
| 2016 | 12,516,272 | 650,770 | 2.11 | 40.64 | 1.34 | 93.8 | 101,810 | 16,807 | 9.39 | 56.89 | 0.49 | 68.1 |
| 2017 | 12,261,029 | 642,364 | 2.06 | 39.27 | 1.28 | 94.7 | 96,977 | 16,127 | 11.86 | 71.35 | 0.49 | 68.0 |
| 2018 | 11,371,117 | 596,215 | 2.06 | 39.25 | 1.31 | 91.7 | 134,069 | 22,290 | 14.42 | 86.80 | 0.42 | 71.4 |
| 2019 | 10,668,588 | 555,022 | 2.02 | 38.86 | 1.32 | 100.7 | 86,383 | 14,319 | 13.58 | 81.95 | 0.49 | 63.0 |
| Year 2018 | | | | | | | | | | | | |
| January | 955,176 | 50,541 | 2.06 | 39.01 | 1.24 | 76.3 | 35,958 | 6,008 | 14.02 | 84.17 | 0.47 | 59.1 |
| February | 852,358 | 44,837 | 2.07 | 39.27 | 1.27 | 95.2 | 12,093 | 1,993 | 12.79 | 77.72 | 0.47 | 122.2 |
| March | 941,236 | 48,946 | 2.04 | 39.20 | 1.34 | 107.0 | 7,979 | 1,331 | 13.56 | 81.30 | 0.42 | 80.5 |
| April | 816,396 | 42,555 | 2.07 | 39.66 | 1.33 | 102.3 | 6,902 | 1,141 | 13.90 | 84.04 | 0.41 | 65.7 |
| May | 892,542 | 46,186 | 2.04 | 39.50 | 1.38 | 95.5 | 9,619 | 1,591 | 14.40 | 87.12 | 0.34 | 79.2 |
| June | 930,650 | 48,563 | 2.04 | 39.14 | 1.36 | 85.0 | 9,287 | 1,546 | 14.96 | 89.81 | 0.33 | 75.2 |
| July | 989,524 | 52,065 | 2.05 | 38.98 | 1.29 | 80.2 | 7,532 | 1,244 | 14.74 | 89.24 | 0.33 | 65.2 |
| August | 1,076,062 | 56,499 | 2.06 | 39.16 | 1.31 | 87.2 | 7,016 | 1,163 | 15.41 | 92.94 | 0.38 | 57.8 |
| Sept | 943,820 | 49,892 | 2.05 | 38.76 | 1.25 | 90.8 | 7,903 | 1,316 | 15.42 | 92.57 | 0.38 | 66.0 |
| October | 1,000,010 | 52,357 | 2.04 | 39.05 | 1.36 | 106.0 | 9,389 | 1,556 | 15.77 | 95.13 | 0.42 | 77.7 |
| November | 954,234 | 50,315 | 2.06 | 39.02 | 1.32 | 95.2 | 8,917 | 1,494 | 15.87 | 94.65 | 0.46 | 73.7 |
| December | 1,019,110 | 53,461 | 2.11 | 40.25 | 1.30 | 94.0 | 11,474 | 1,908 | 13.96 | 83.90 | 0.47 | 94.1 |
| Year 2019 | | | | | | | | | | | | |
| January | 1,002,966 | 52,325 | 2.10 | 40.31 | 1.32 | 91.6 | 8,613 | 1,426 | 12.40 | 74.90 | 0.46 | 51.0 |
| February | 847,217 | 44,418 | 2.07 | 39.54 | 1.28 | 96.2 | 8,708 | 1,430 | 13.16 | 80.17 | 0.48 | 89.5 |
| March | 820,727 | 41,993 | 2.08 | 40.68 | 1.51 | 93.0 | 7,501 | 1,243 | 14.41 | 86.95 | 0.47 | 76.7 |
| April | 869,217 | 44,771 | 2.07 | 40.19 | 1.37 | 129.9 | 6,948 | 1,152 | 14.85 | 89.57 | 0.52 | 74.0 |
| May | 890,175 | 45,861 | 2.06 | 39.91 | 1.39 | 111.7 | 6,587 | 1,095 | 14.47 | 87.01 | 0.50 | 57.1 |
| June | 867,346 | 44,942 | 2.03 | 39.18 | 1.35 | 99.2 | 6,735 | 1,120 | 13.68 | 82.28 | 0.49 | 59.8 |
| July | 938,466 | 49,099 | 2.02 | 38.68 | 1.28 | 86.1 | 5,853 | 977 | 13.78 | 82.54 | 0.48 | 50.4 |
| August | 979,476 | 51,055 | 2.00 | 38.44 | 1.27 | 95.4 | 5,115 | 860 | 14.24 | 84.72 | 0.51 | 42.1 |
| Sept | 889,676 | 46,432 | 1.96 | 37.59 | 1.27 | 96.0 | 8,156 | 1,344 | 12.62 | 76.57 | 0.48 | 73.9 |
| October | 868,407 | 45,266 | 1.96 | 37.64 | 1.28 | 117.6 | 6,655 | 1,103 | 13.69 | 82.56 | 0.50 | 60.1 |
| November | 845,303 | 44,419 | 1.97 | 37.43 | 1.26 | 103.4 | 7,794 | 1,281 | 12.97 | 78.88 | 0.49 | 68.6 |
| December | 849,611 | 44,441 | 1.92 | 36.66 | 1.25 | 107.1 | 7,721 | 1,288 | 13.56 | 81.34 | 0.49 | 69.8 |
| Year 2020 | | | | | | | | | | | | |
| January | 815,873 | 43,036 | 1.94 | 36.84 | 1.25 | 114.0 | 5,340 | 895 | 13.87 | 82.79 | 0.53 | 48.4 |
| February | 692,242 | 36,724 | 1.91 | 35.98 | 1.27 | 111.4 | 6,581 | 1,090 | 13.06 | 78.84 | 0.49 | 71.6 |
| March | 659,206 | 34,712 | 1.94 | 36.78 | 1.33 | 116.3 | 6,734 | 1,115 | 10.48 | 63.27 | 0.51 | 77.0 |
| April | 562,898 | 30,023 | 1.93 | 36.18 | 1.25 | 122.9 | 4,196 | 709 | 8.50 | 50.35 | 0.52 | 56.4 |
| May | 536,562 | 28,899 | 1.90 | 35.23 | 1.15 | 104.6 | 6,466 | 1,090 | 6.57 | 38.96 | 0.50 | 78.4 |
| June | 621,590 | 32,837 | 1.91 | 36.14 | 1.29 | 87.6 | 6,759 | 1,123 | 7.24 | 43.61 | 0.48 | 66.9 |
| July | 710,655 | 37,428 | 1.94 | 36.76 | 1.30 | 74.0 | 7,035 | 1,166 | 8.14 | 49.14 | 0.48 | 62.5 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 6,377,881 | 333,693 | 2.05 | 39.24 | 1.31 | 89.9 | 89,370 | 14,853 | 14.01 | 84.41 | 0.41 | 70.2 |
| 2019 | 6,236,114 | 323,409 | 2.06 | 39.78 | 1.35 | 99.1 | 50,943 | 8,443 | 13.76 | 83.01 | 0.48 | 63.5 |
| 2020 | 4,599,027 | 243,660 | 1.92 | 36.32 | 1.26 | 101.3 | 43,112 | 7,187 | 9.63 | 57.75 | 0.50 | 65.3 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 11,229,350 | 585,932 | 2.06 | 39.54 | 1.33 | 96.8 | 95,641 | 15,880 | 14.43 | 86.92 | 0.46 | 68.0 |
| 2020 | 9,031,501 | 475,273 | 1.94 | 36.93 | 1.27 | 102.1 | 78,552 | 13,063 | 11.30 | 67.95 | 0.50 | 64.0 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

- Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2010 - July 2020 (continued)**

| | Petroleum Coke | | | | | | Natural Gas | | | | | All Fossil Fuels |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | Average Cost |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMbtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Mcf) | (Dollars per MMBtu) | (Dollars per Mcf) | Percentage of Consumption | (Dollars per MMBtu) |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 169,508 | 5,963 | 2.28 | 64.85 | 4.79 | 98.5 | 8,867,396 | 8,673,070 | 5.09 | 5.20 | 102.0 | 3.26 |
| 2011 | 171,100 | 5,980 | 3.03 | 86.78 | 5.01 | 98.2 | 9,250,652 | 9,056,164 | 4.72 | 4.83 | 103.8 | 3.29 |
| 2012 | 119,667 | 4,180 | 2.24 | 64.14 | 5.55 | 83.3 | 9,746,691 | 9,531,389 | 3.42 | 3.50 | 91.9 | 2.83 |
| 2013 | 132,474 | 4,660 | 2.18 | 61.95 | 5.41 | 73.5 | 8,721,114 | 8,503,424 | 4.33 | 4.44 | 89.7 | 3.09 |
| 2014 | 147,310 | 5,195 | 1.98 | 56.23 | 5.56 | 91.2 | 8,679,286 | 8,431,423 | 5.00 | 5.14 | 89.6 | 3.31 |
| 2015 | 138,668 | 4,897 | 1.84 | 52.11 | 5.25 | 94.4 | 10,173,502 | 9,842,581 | 3.23 | 3.34 | 89.9 | 2.65 |
| 2016 | 116,942 | 4,166 | 1.65 | 46.30 | 5.40 | 77.9 | 10,619,105 | 10,271,180 | 2.87 | 2.97 | 90.7 | 2.47 |
| 2017 | 92,837 | 3,309 | 2.13 | 59.90 | 5.56 | 74.1 | 9,951,815 | 9,628,733 | 3.37 | 3.49 | 90.2 | 2.65 |
| 2018 | 85,122 | 3,010 | 2.54 | 71.76 | 5.74 | 66.1 | 11,244,158 | 10,885,764 | 3.55 | 3.67 | 90.4 | 2.83 |
| 2019 | 56,294 | 1,969 | 1.91 | 54.59 | 5.51 | 53.6 | 11,149,544 | 10,786,472 | 2.89 | 2.99 | 84.3 | 2.49 |
| Year 2018 | | | | | | | | | | | | |
| January | 7,009 | 248 | 2.38 | 67.41 | 5.31 | 53.2 | 836,690 | 809,817 | 5.06 | 5.23 | 88.7 | 3.59 |
| February | 7,769 | 277 | 2.43 | 68.09 | 5.49 | 72.4 | 734,114 | 711,064 | 3.61 | 3.73 | 88.7 | 2.82 |
| March | 7,841 | 281 | 2.54 | 70.89 | 5.54 | 86.2 | 805,795 | 779,565 | 3.18 | 3.29 | 89.3 | 2.59 |
| April | 6,564 | 232 | 2.56 | 72.38 | 6.09 | 65.5 | 758,992 | 735,470 | 3.14 | 3.24 | 90.2 | 2.61 |
| May | 4,344 | 152 | 2.41 | 68.58 | 6.09 | 54.2 | 894,444 | 866,280 | 3.06 | 3.16 | 89.9 | 2.59 |
| June | 7,382 | 260 | 2.73 | 77.61 | 5.97 | 62.9 | 1,014,537 | 982,204 | 3.13 | 3.23 | 91.7 | 2.64 |
| July | 8,307 | 293 | 2.71 | 76.81 | 5.73 | 65.3 | 1,272,002 | 1,231,687 | 3.23 | 3.34 | 91.1 | 2.73 |
| August | 8,443 | 298 | 2.79 | 78.94 | 5.67 | 69.4 | 1,243,191 | 1,203,931 | 3.28 | 3.38 | 91.6 | 2.72 |
| Sept | 8,158 | 288 | 2.94 | 83.35 | 5.63 | 72.2 | 1,093,336 | 1,057,918 | 3.12 | 3.22 | 91.9 | 2.65 |
| October | 5,892 | 208 | 2.48 | 70.32 | 5.77 | 68.1 | 951,711 | 921,416 | 3.43 | 3.55 | 91.4 | 2.76 |
| November | 6,696 | 235 | 2.21 | 63.10 | 5.87 | 68.6 | 817,552 | 791,716 | 4.18 | 4.31 | 89.3 | 3.05 |
| December | 6,718 | 238 | 2.03 | 57.24 | 5.90 | 59.0 | 821,793 | 794,697 | 4.72 | 4.89 | 89.4 | 3.29 |
| Year 2019 | | | | | | | | | | | | |
| January | 5,447 | 192 | 2.08 | 59.13 | 5.93 | 47.6 | 861,144 | 833,540 | 4.01 | 4.14 | 85.6 | 2.99 |
| February | 4,486 | 155 | 2.27 | 65.75 | 5.78 | 44.6 | 786,847 | 759,097 | 3.64 | 3.77 | 84.9 | 2.85 |
| March | 3,725 | 130 | 2.43 | 69.63 | 6.15 | 37.9 | 805,916 | 780,542 | 3.45 | 3.56 | 84.8 | 2.79 |
| April | 3,159 | 111 | 2.71 | 76.93 | 5.65 | 43.2 | 735,837 | 713,039 | 2.89 | 2.99 | 83.7 | 2.49 |
| May | 4,631 | 162 | 2.24 | 63.78 | 5.41 | 43.2 | 841,017 | 815,717 | 2.77 | 2.85 | 85.8 | 2.43 |
| June | 3,740 | 130 | 2.18 | 62.61 | 5.15 | 44.7 | 972,337 | 942,226 | 2.59 | 2.67 | 84.7 | 2.36 |
| July | 5,766 | 201 | 2.01 | 57.67 | 5.22 | 51.0 | 1,201,858 | 1,162,227 | 2.53 | 2.62 | 83.1 | 2.33 |
| August | 7,308 | 258 | 1.72 | 48.66 | 5.20 | 74.0 | 1,219,083 | 1,177,729 | 2.41 | 2.50 | 83.3 | 2.25 |
| Sept | 3,777 | 131 | 1.67 | 48.38 | 5.58 | 37.3 | 1,053,061 | 1,018,596 | 2.59 | 2.68 | 83.8 | 2.33 |
| October | 2,365 | 83 | 1.57 | 44.65 | 5.64 | 58.9 | 930,821 | 900,234 | 2.49 | 2.58 | 83.3 | 2.27 |
| November | 6,654 | 232 | 1.46 | 41.78 | 5.38 | 128.0 | 828,647 | 801,068 | 2.96 | 3.06 | 84.6 | 2.48 |
| December | 5,236 | 183 | 1.14 | 32.50 | 5.44 | 77.3 | 912,977 | 882,456 | 2.92 | 3.02 | 85.6 | 2.46 |
| Year 2020 | | | | | | | | | | | | |
| January | 8,421 | 295 | 1.53 | 43.68 | 5.34 | 81.3 | 935,177 | 903,553 | 2.62 | 2.72 | 84.8 | 2.33 |
| February | 6,913 | 244 | 1.47 | 41.75 | 4.99 | 109.8 | 887,032 | 857,646 | 2.40 | 2.48 | 85.2 | 2.22 |
| March | 4,942 | 174 | 1.36 | 38.61 | 5.46 | 55.4 | 875,795 | 846,496 | 2.14 | 2.22 | 84.2 | 2.09 |
| April | 5,150 | 180 | 1.38 | 39.50 | 5.35 | 68.3 | 773,646 | 746,039 | 2.10 | 2.18 | 84.8 | 2.04 |
| May | 5,495 | 195 | 1.61 | 45.35 | 5.30 | 62.5 | 835,885 | 810,417 | 2.17 | 2.24 | 85.3 | 2.08 |
| June | 5,648 | 199 | 1.46 | 41.45 | 6.01 | 49.4 | 1,015,633 | 986,138 | 2.01 | 2.07 | 84.5 | 1.99 |
| July | 5,610 | 201 | 1.62 | 45.31 | 5.57 | 48.2 | 1,276,779 | 1,239,293 | 2.03 | 2.09 | 82.5 | 2.02 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 49,215 | 1,743 | 2.55 | 71.94 | 5.72 | 65.2 | 6,316,575 | 6,116,086 | 3.46 | 3.57 | 90.1 | 2.80 |
| 2019 | 30,954 | 1,081 | 2.24 | 64.02 | 5.60 | 44.8 | 6,204,956 | 6,006,388 | 3.08 | 3.18 | 84.6 | 2.60 |
| 2020 | 42,179 | 1,487 | 1.50 | 42.41 | 5.41 | 64.8 | 6,599,946 | 6,389,583 | 2.20 | 2.28 | 84.4 | 2.11 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 66,861 | 2,349 | 2.39 | 68.06 | 5.69 | 54.7 | 11,132,539 | 10,776,066 | 3.34 | 3.45 | 87.2 | 2.72 |
| 2020 | 67,518 | 2,375 | 1.50 | 42.67 | 5.41 | 66.8 | 11,544,535 | 11,169,667 | 2.39 | 2.48 | 84.2 | 2.22 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

- Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2010 - July 2020

| | Coal | | | | | | Petroleum Liquids | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMBtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Barrels) | (Dollars per MMBtu) | (Dollars per Barrel) | Average Sulfur Percent by Weight | Percentage of Consumption |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 14,226,995 | 713,094 | 2.27 | 45.33 | 1.14 | 98.8 | 189,790 | 31,099 | 13.94 | 85.07 | 0.48 | 101.0 |
| 2011 | 13,871,559 | 699,353 | 2.40 | 47.67 | 1.16 | 101.5 | 144,255 | 23,859 | 20.30 | 122.72 | 0.53 | 114.5 |
| 2012 | 11,939,543 | 609,445 | 2.43 | 47.51 | 1.18 | 99.0 | 86,030 | 14,252 | 22.11 | 133.44 | 0.41 | 81.3 |
| 2013 | 11,595,328 | 592,772 | 2.38 | 46.51 | 1.23 | 92.9 | 78,101 | 12,814 | 21.09 | 128.57 | 0.43 | 76.2 |
| 2014 | 12,064,810 | 614,728 | 2.39 | 46.95 | 1.21 | 98.3 | 98,357 | 16,161 | 19.90 | 121.14 | 0.44 | 82.0 |
| 2015 | 11,088,631 | 571,707 | 2.25 | 43.71 | 1.17 | 105.8 | 90,041 | 14,747 | 11.32 | 69.13 | 0.46 | 79.2 |
| 2016 | 9,256,878 | 476,207 | 2.16 | 42.01 | 1.21 | 95.4 | 73,294 | 11,985 | 9.16 | 56.02 | 0.45 | 74.0 |
| 2017 | 9,011,629 | 467,595 | 2.12 | 40.81 | 1.16 | 96.0 | 70,422 | 11,640 | 11.60 | 70.19 | 0.47 | 74.4 |
| 2018 | 8,351,036 | 435,964 | 2.11 | 40.35 | 1.18 | 91.6 | 84,050 | 13,896 | 14.39 | 87.09 | 0.37 | 75.3 |
| 2019 | 7,919,245 | 410,810 | 2.08 | 40.13 | 1.18 | 102.5 | 65,388 | 10,768 | 13.37 | 81.21 | 0.46 | 71.8 |
| Year 2018 | | | | | | | | | | | | |
| January | 689,121 | 36,230 | 2.08 | 39.57 | 1.11 | 75.5 | 16,449 | 2,762 | 14.38 | 85.73 | 0.43 | 61.0 |
| February | 637,294 | 33,294 | 2.10 | 40.18 | 1.17 | 97.3 | 8,657 | 1,413 | 12.58 | 77.10 | 0.46 | 126.0 |
| March | 696,264 | 36,224 | 2.09 | 40.20 | 1.18 | 111.4 | 5,472 | 906 | 13.38 | 80.86 | 0.36 | 82.4 |
| April | 600,033 | 31,096 | 2.12 | 40.93 | 1.23 | 101.8 | 5,321 | 875 | 13.78 | 83.81 | 0.36 | 74.7 |
| May | 654,477 | 33,757 | 2.09 | 40.57 | 1.24 | 95.3 | 6,739 | 1,108 | 14.37 | 87.44 | 0.29 | 82.5 |
| June | 689,040 | 35,857 | 2.10 | 40.33 | 1.21 | 84.0 | 6,566 | 1,085 | 14.63 | 88.49 | 0.28 | 78.5 |
| July | 738,864 | 38,675 | 2.10 | 40.13 | 1.15 | 79.8 | 5,620 | 920 | 14.34 | 87.60 | 0.27 | 75.5 |
| August | 802,045 | 41,889 | 2.11 | 40.43 | 1.19 | 87.2 | 5,016 | 826 | 15.26 | 92.68 | 0.34 | 63.6 |
| Sept | 695,648 | 36,530 | 2.12 | 40.31 | 1.15 | 90.3 | 5,665 | 940 | 15.53 | 93.63 | 0.35 | 66.8 |
| October | 713,410 | 37,228 | 2.10 | 40.20 | 1.21 | 104.3 | 6,170 | 1,011 | 15.78 | 96.34 | 0.39 | 73.6 |
| November | 691,145 | 36,346 | 2.10 | 39.90 | 1.17 | 95.3 | 5,383 | 896 | 15.89 | 95.50 | 0.41 | 69.8 |
| December | 743,694 | 38,838 | 2.17 | 41.48 | 1.17 | 93.2 | 6,991 | 1,155 | 13.83 | 83.69 | 0.44 | 94.7 |
| Year 2019 | | | | | | | | | | | | |
| January | 735,203 | 38,213 | 2.16 | 41.64 | 1.18 | 92.1 | 6,100 | 1,008 | 12.56 | 76.05 | 0.42 | 61.8 |
| February | 628,506 | 32,866 | 2.14 | 40.93 | 1.15 | 97.9 | 6,630 | 1,082 | 13.01 | 79.70 | 0.46 | 106.0 |
| March | 585,096 | 29,813 | 2.14 | 42.07 | 1.37 | 93.5 | 6,135 | 1,012 | 14.34 | 86.90 | 0.42 | 94.1 |
| April | 643,745 | 33,151 | 2.13 | 41.45 | 1.21 | 134.6 | 5,352 | 882 | 14.71 | 89.24 | 0.47 | 89.0 |
| May | 661,447 | 34,035 | 2.12 | 41.24 | 1.22 | 112.1 | 4,914 | 810 | 14.11 | 85.55 | 0.48 | 65.7 |
| June | 645,744 | 33,285 | 2.11 | 40.91 | 1.20 | 98.9 | 5,128 | 848 | 13.29 | 80.35 | 0.47 | 63.9 |
| July | 718,111 | 37,394 | 2.09 | 40.05 | 1.16 | 88.2 | 4,389 | 728 | 13.28 | 79.99 | 0.46 | 56.4 |
| August | 741,452 | 38,602 | 2.07 | 39.71 | 1.14 | 96.9 | 3,843 | 643 | 13.64 | 81.54 | 0.48 | 44.2 |
| Sept | 671,570 | 34,833 | 2.02 | 38.89 | 1.17 | 98.1 | 6,701 | 1,097 | 12.38 | 75.64 | 0.45 | 86.7 |
| October | 638,658 | 33,211 | 2.01 | 38.71 | 1.14 | 122.3 | 4,848 | 796 | 13.25 | 80.69 | 0.47 | 62.8 |
| November | 619,671 | 32,460 | 2.02 | 38.53 | 1.14 | 106.5 | 6,088 | 992 | 12.79 | 78.49 | 0.48 | 84.0 |
| December | 630,043 | 32,948 | 1.96 | 37.44 | 1.13 | 110.4 | 5,261 | 868 | 13.61 | 82.47 | 0.47 | 69.4 |
| Year 2020 | | | | | | | | | | | | |
| January | 601,630 | 31,626 | 1.98 | 37.67 | 1.12 | 115.6 | 4,454 | 744 | 13.67 | 81.86 | 0.48 | 53.5 |
| February | 511,753 | 27,042 | 1.95 | 36.81 | 1.12 | 113.9 | 5,670 | 937 | 12.88 | 77.92 | 0.46 | 83.7 |
| March | 490,792 | 25,781 | 1.97 | 37.47 | 1.14 | 118.6 | 5,191 | 855 | 10.36 | 62.92 | 0.47 | 90.0 |
| April | 430,845 | 22,438 | 1.98 | 37.97 | 1.18 | 131.8 | 2,574 | 432 | 8.46 | 50.40 | 0.47 | 49.2 |
| May | 400,318 | 21,157 | 1.93 | 36.48 | 1.08 | 106.4 | 4,012 | 671 | 6.76 | 40.39 | 0.48 | 69.7 |
| June | 464,257 | 24,345 | 1.96 | 37.30 | 1.13 | 87.5 | 4,152 | 685 | 6.62 | 40.13 | 0.47 | 58.8 |
| July | 547,051 | 28,639 | 1.98 | 37.91 | 1.15 | 74.8 | 5,546 | 911 | 7.80 | 47.48 | 0.47 | 71.7 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 4,705,093 | 245,133 | 2.10 | 40.26 | 1.18 | 90.2 | 54,825 | 9,069 | 13.96 | 84.44 | 0.36 | 76.4 |
| 2019 | 4,617,851 | 238,757 | 2.13 | 41.16 | 1.21 | 100.3 | 38,648 | 6,372 | 13.59 | 82.45 | 0.45 | 74.3 |
| 2020 | 3,446,646 | 181,028 | 1.96 | 37.40 | 1.13 | 103.0 | 31,600 | 5,235 | 9.72 | 58.70 | 0.47 | 67.7 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 8,263,793 | 429,587 | 2.12 | 40.86 | 1.20 | 97.2 | 67,873 | 11,199 | 14.28 | 86.57 | 0.43 | 73.9 |
| 2020 | 6,748,039 | 353,082 | 1.99 | 38.03 | 1.14 | 104.3 | 58,340 | 9,631 | 11.25 | 68.15 | 0.47 | 68.0 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2010 - July 2020 (continued)

| | Petroleum Coke | | | | | | Natural Gas | | | | | All Fossil Fuels |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | Average Cost |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMbtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Mcf) | (Dollars per MMBtu) | (Dollars per Mcf) | Percentage of Consumption | (Dollars per MMBtu) |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 103,152 | 3,628 | 2.38 | 67.65 | 5.03 | 109.1 | 3,395,962 | 3,327,919 | 5.43 | 5.54 | 101.1 | 2.99 |
| 2011 | 99,208 | 3,445 | 3.08 | 88.73 | 5.17 | 99.9 | 3,571,348 | 3,507,613 | 5.00 | 5.09 | 101.8 | 3.08 |
| 2012 | 72,782 | 2,521 | 2.30 | 66.40 | 5.46 | 119.8 | 4,083,579 | 4,003,457 | 3.74 | 3.81 | 97.6 | 2.86 |
| 2013 | 99,088 | 3,463 | 2.11 | 60.30 | 5.34 | 101.6 | 3,939,408 | 3,851,241 | 4.49 | 4.59 | 97.0 | 2.99 |
| 2014 | 123,793 | 4,349 | 1.89 | 53.77 | 5.56 | 126.3 | 3,876,549 | 3,772,596 | 5.17 | 5.31 | 96.7 | 3.16 |
| 2015 | 115,929 | 4,069 | 1.77 | 50.44 | 5.23 | 130.1 | 4,717,748 | 4,565,040 | 3.52 | 3.64 | 96.0 | 2.67 |
| 2016 | 99,706 | 3,538 | 1.52 | 42.85 | 5.38 | 103.1 | 5,075,337 | 4,907,538 | 3.15 | 3.26 | 97.0 | 2.54 |
| 2017 | 90,481 | 3,224 | 2.15 | 60.31 | 5.55 | 117.6 | 4,794,383 | 4,640,827 | 3.62 | 3.74 | 96.8 | 2.68 |
| 2018 | 83,211 | 2,940 | 2.56 | 72.34 | 5.74 | 106.8 | 5,553,558 | 5,379,459 | 3.68 | 3.80 | 96.2 | 2.80 |
| 2019 | 54,266 | 1,896 | 1.92 | 54.88 | 5.50 | 91.0 | 5,436,200 | 5,262,798 | 3.06 | 3.16 | 87.6 | 2.53 |
| Year 2018 | | | | | | | | | | | | |
| January | 7,009 | 248 | 2.38 | 67.41 | 5.31 | 83.4 | 423,606 | 410,310 | 5.20 | 5.37 | 95.5 | 3.41 |
| February | 7,769 | 277 | 2.43 | 68.09 | 5.49 | 117.9 | 359,760 | 348,729 | 3.81 | 3.93 | 95.0 | 2.79 |
| March | 7,841 | 281 | 2.54 | 70.89 | 5.54 | 141.5 | 397,572 | 384,900 | 3.46 | 3.57 | 96.4 | 2.64 |
| April | 6,564 | 232 | 2.56 | 72.38 | 6.09 | 119.0 | 377,302 | 365,948 | 3.30 | 3.40 | 97.5 | 2.63 |
| May | 4,344 | 152 | 2.41 | 68.58 | 6.09 | 108.3 | 452,870 | 438,567 | 3.24 | 3.35 | 94.8 | 2.63 |
| June | 7,382 | 260 | 2.73 | 77.61 | 5.97 | 96.2 | 525,751 | 509,192 | 3.28 | 3.39 | 97.2 | 2.67 |
| July | 8,147 | 287 | 2.73 | 77.48 | 5.73 | 100.4 | 632,132 | 612,044 | 3.27 | 3.38 | 95.1 | 2.69 |
| August | 8,183 | 288 | 2.82 | 80.03 | 5.67 | 105.4 | 607,246 | 588,293 | 3.33 | 3.44 | 96.5 | 2.68 |
| Sept | 7,493 | 263 | 3.05 | 86.74 | 5.59 | 101.2 | 535,618 | 518,216 | 3.28 | 3.39 | 97.0 | 2.68 |
| October | 5,415 | 191 | 2.55 | 72.24 | 5.80 | 120.4 | 464,777 | 450,302 | 3.57 | 3.68 | 97.8 | 2.74 |
| November | 6,524 | 229 | 2.23 | 63.55 | 5.88 | 116.4 | 390,167 | 378,446 | 4.26 | 4.39 | 94.9 | 2.93 |
| December | 6,541 | 232 | 2.04 | 57.52 | 5.91 | 96.0 | 386,756 | 374,513 | 4.92 | 5.08 | 96.2 | 3.16 |
| Year 2019 | | | | | | | | | | | | |
| January | 5,447 | 192 | 2.08 | 59.13 | 5.93 | 73.8 | 406,718 | 394,288 | 4.19 | 4.32 | 90.4 | 2.93 |
| February | 4,486 | 155 | 2.27 | 65.75 | 5.78 | 69.4 | 379,192 | 364,901 | 3.79 | 3.94 | 89.0 | 2.82 |
| March | 3,725 | 130 | 2.43 | 69.63 | 6.15 | 66.9 | 386,643 | 374,986 | 3.66 | 3.77 | 89.5 | 2.81 |
| April | 3,159 | 111 | 2.71 | 76.93 | 5.65 | 101.5 | 359,063 | 348,044 | 3.09 | 3.18 | 87.9 | 2.54 |
| May | 4,631 | 162 | 2.24 | 63.78 | 5.41 | 73.8 | 422,966 | 410,771 | 2.94 | 3.03 | 90.7 | 2.49 |
| June | 3,740 | 130 | 2.18 | 62.61 | 5.15 | 85.7 | 491,914 | 476,866 | 2.76 | 2.84 | 88.1 | 2.44 |
| July | 5,723 | 199 | 2.01 | 57.76 | 5.22 | 86.8 | 592,859 | 573,479 | 2.65 | 2.74 | 84.6 | 2.38 |
| August | 6,693 | 235 | 1.72 | 48.82 | 5.15 | 115.7 | 604,271 | 584,200 | 2.55 | 2.64 | 84.4 | 2.31 |
| Sept | 3,034 | 105 | 1.68 | 48.71 | 5.58 | 56.6 | 519,620 | 503,066 | 2.77 | 2.86 | 85.9 | 2.40 |
| October | 1,738 | 60 | 1.51 | 43.76 | 5.45 | 92.3 | 456,258 | 441,488 | 2.71 | 2.80 | 86.1 | 2.35 |
| November | 6,654 | 232 | 1.46 | 41.78 | 5.38 | 227.7 | 392,163 | 379,687 | 3.16 | 3.26 | 89.3 | 2.51 |
| December | 5,236 | 183 | 1.14 | 32.50 | 5.44 | 132.2 | 424,532 | 411,022 | 3.16 | 3.27 | 90.2 | 2.49 |
| Year 2020 | | | | | | | | | | | | |
| January | 8,421 | 295 | 1.53 | 43.68 | 5.34 | 144.1 | 445,637 | 431,393 | 2.87 | 2.97 | 88.3 | 2.40 |
| February | 6,913 | 244 | 1.47 | 41.75 | 4.99 | 164.5 | 436,651 | 422,625 | 2.66 | 2.74 | 89.0 | 2.33 |
| March | 4,942 | 174 | 1.36 | 38.61 | 5.46 | 82.4 | 439,598 | 425,006 | 2.36 | 2.44 | 88.7 | 2.19 |
| April | 5,150 | 180 | 1.38 | 39.50 | 5.35 | 98.8 | 388,483 | 374,198 | 2.34 | 2.43 | 89.1 | 2.17 |
| May | 5,495 | 195 | 1.61 | 45.35 | 5.30 | 104.2 | 425,641 | 412,855 | 2.43 | 2.51 | 89.5 | 2.21 |
| June | 5,648 | 199 | 1.46 | 41.45 | 6.01 | 77.0 | 504,731 | 490,892 | 2.26 | 2.32 | 87.2 | 2.13 |
| July | 5,104 | 183 | 1.62 | 45.13 | 5.52 | 67.5 | 623,294 | 605,922 | 2.21 | 2.27 | 83.9 | 2.13 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 49,055 | 1,737 | 2.55 | 72.04 | 5.72 | 107.1 | 3,168,994 | 3,069,689 | 3.61 | 3.73 | 95.9 | 2.78 |
| 2019 | 30,912 | 1,080 | 2.24 | 64.04 | 5.60 | 77.8 | 3,039,356 | 2,943,334 | 3.24 | 3.34 | 88.3 | 2.62 |
| 2020 | 41,673 | 1,469 | 1.49 | 42.35 | 5.40 | 100.5 | 3,264,035 | 3,162,889 | 2.43 | 2.51 | 87.6 | 2.22 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 65,068 | 2,283 | 2.41 | 68.65 | 5.69 | 90.6 | 5,423,920 | 5,253,104 | 3.47 | 3.59 | 91.7 | 2.71 |
| 2020 | 65,027 | 2,285 | 1.49 | 42.50 | 5.39 | 106.0 | 5,660,880 | 5,482,353 | 2.60 | 2.69 | 87.3 | 2.31 |

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W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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- Totals may not equal the sum of components because of independent rounding.

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## Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2010 - July 2020

| | Coal | | | | | | Petroleum Liquids | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMBtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Barrels) | (Dollars per MMBtu) | (Dollars per Barrel) | Average Sulfur Percent by Weight | Percentage of Consumption |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 4,555,898 | 243,585 | 2.20 | 41.15 | 1.21 | 96.0 | 49,598 | 8,420 | 14.80 | 87.19 | 0.35 | 89.9 |
| 2011 | 4,292,284 | 233,295 | 2.28 | 41.95 | 1.25 | 95.9 | 41,599 | 7,096 | 20.30 | 119.01 | 0.50 | 106.9 |
| 2012 | 4,036,436 | 218,341 | 2.21 | 40.92 | 1.42 | 104.9 | 23,922 | 4,073 | 22.34 | 131.28 | 0.44 | 79.8 |
| 2013 | 4,032,431 | 217,572 | 2.20 | 40.95 | 1.48 | 99.1 | 43,432 | 7,205 | 19.71 | 118.88 | 0.45 | 110.1 |
| 2014 | 4,243,949 | 226,600 | 2.25 | 42.20 | 1.61 | 100.1 | 71,774 | 11,980 | 19.90 | 119.36 | 0.45 | 101.0 |
| 2015 | 3,731,508 | 198,982 | 2.10 | 39.39 | 1.66 | 100.5 | 55,248 | 9,189 | 11.69 | 70.36 | 0.46 | 86.5 |
| 2016 | 3,047,358 | 164,648 | 1.93 | 35.69 | 1.73 | 91.8 | 25,975 | 4,410 | 9.93 | 58.56 | 0.48 | 75.1 |
| 2017 | 3,056,215 | 165,567 | 1.85 | 34.19 | 1.64 | 93.1 | 24,704 | 4,190 | 12.67 | 74.73 | 0.46 | 73.8 |
| 2018 | 2,849,062 | 152,015 | 1.89 | 35.41 | 1.70 | 94.2 | 47,699 | 8,022 | 14.52 | 86.39 | 0.44 | 81.7 |
| 2019 | 2,601,613 | 137,047 | 1.81 | 34.33 | 1.74 | 98.9 | 19,311 | 3,276 | 14.33 | 84.50 | 0.50 | 64.8 |
| Year 2018 | | | | | | | | | | | | |
| January | 250,209 | 13,549 | 1.99 | 36.82 | 1.60 | 79.9 | 19,101 | 3,180 | 13.71 | 82.73 | 0.46 | 63.7 |
| February | 200,760 | 10,859 | 1.93 | 35.69 | 1.58 | 93.0 | 3,249 | 550 | 13.53 | 79.99 | 0.43 | 195.1 |
| March | 229,355 | 11,974 | 1.84 | 35.33 | 1.83 | 99.4 | 2,273 | 388 | 14.17 | 82.79 | 0.43 | 107.3 |
| April | 202,887 | 10,815 | 1.88 | 35.20 | 1.61 | 107.5 | 1,427 | 242 | 14.45 | 84.93 | 0.44 | 61.3 |
| May | 223,521 | 11,725 | 1.87 | 35.68 | 1.78 | 98.4 | 2,731 | 459 | 14.46 | 86.28 | 0.46 | 95.4 |
| June | 227,121 | 12,009 | 1.84 | 34.83 | 1.84 | 89.2 | 2,614 | 444 | 15.89 | 93.43 | 0.40 | 92.9 |
| July | 235,760 | 12,666 | 1.87 | 34.83 | 1.73 | 82.1 | 1,775 | 301 | 16.08 | 94.43 | 0.45 | 64.8 |
| August | 260,087 | 13,942 | 1.86 | 34.73 | 1.68 | 88.4 | 1,864 | 315 | 15.92 | 93.84 | 0.42 | 59.8 |
| Sept | 235,579 | 12,761 | 1.82 | 33.63 | 1.56 | 94.5 | 2,082 | 351 | 15.17 | 89.90 | 0.39 | 82.5 |
| October | 274,139 | 14,529 | 1.89 | 35.60 | 1.72 | 113.8 | 3,039 | 517 | 15.83 | 92.93 | 0.41 | 127.4 |
| November | 248,768 | 13,265 | 1.92 | 35.95 | 1.73 | 97.0 | 3,328 | 566 | 15.95 | 93.64 | 0.42 | 119.9 |
| December | 260,878 | 13,920 | 1.94 | 36.42 | 1.68 | 99.1 | 4,215 | 709 | 14.20 | 84.15 | 0.46 | 132.8 |
| Year 2019 | | | | | | | | | | | | |
| January | 255,058 | 13,482 | 1.90 | 36.07 | 1.76 | 93.2 | 2,359 | 393 | 11.93 | 71.58 | 0.50 | 49.8 |
| February | 205,832 | 10,934 | 1.83 | 34.49 | 1.67 | 94.5 | 1,879 | 314 | 13.63 | 81.50 | 0.46 | 86.2 |
| March | 222,160 | 11,549 | 1.88 | 36.18 | 1.88 | 94.0 | 1,239 | 210 | 14.88 | 87.69 | 0.54 | 61.1 |
| April | 212,491 | 10,991 | 1.84 | 35.58 | 1.89 | 123.7 | 1,373 | 233 | 15.69 | 92.33 | 0.51 | 63.5 |
| May | 216,008 | 11,203 | 1.83 | 35.24 | 1.92 | 114.9 | 1,581 | 270 | 15.62 | 91.40 | 0.49 | 69.6 |
| June | 209,895 | 11,090 | 1.76 | 33.36 | 1.83 | 103.5 | 1,476 | 250 | 15.09 | 89.05 | 0.48 | 67.8 |
| July | 208,969 | 11,154 | 1.79 | 33.51 | 1.69 | 81.4 | 1,384 | 236 | 15.49 | 90.86 | 0.48 | 48.3 |
| August | 227,149 | 11,923 | 1.78 | 33.87 | 1.68 | 93.5 | 1,160 | 199 | 16.40 | 95.66 | 0.49 | 50.1 |
| Sept | 206,975 | 11,060 | 1.75 | 32.81 | 1.58 | 92.7 | 1,301 | 222 | 13.76 | 80.79 | 0.57 | 62.1 |
| October | 217,837 | 11,469 | 1.78 | 33.77 | 1.69 | 110.9 | 1,671 | 285 | 15.02 | 88.05 | 0.52 | 71.7 |
| November | 212,346 | 11,312 | 1.78 | 33.36 | 1.61 | 98.6 | 1,569 | 267 | 13.59 | 79.96 | 0.50 | 68.7 |
| December | 206,894 | 10,881 | 1.75 | 33.26 | 1.66 | 102.2 | 2,319 | 396 | 13.47 | 78.85 | 0.50 | 97.8 |
| Year 2020 | | | | | | | | | | | | |
| January | 201,589 | 10,795 | 1.80 | 33.57 | 1.64 | 115.4 | 725 | 124 | 15.12 | 88.14 | 0.56 | 44.3 |
| February | 169,190 | 9,124 | 1.76 | 32.72 | 1.74 | 110.7 | 722 | 123 | 14.71 | 86.54 | 0.57 | 50.3 |
| March | 155,393 | 8,311 | 1.78 | 33.26 | 1.92 | 115.8 | 1,351 | 229 | 10.89 | 64.15 | 0.52 | 65.9 |
| April | 122,399 | 7,115 | 1.71 | 29.49 | 1.46 | 108.1 | 1,507 | 258 | 8.39 | 49.06 | 0.53 | 102.9 |
| May | 126,481 | 7,262 | 1.76 | 30.61 | 1.37 | 104.3 | 2,325 | 398 | 6.16 | 36.02 | 0.50 | 152.5 |
| June | 147,445 | 8,001 | 1.73 | 31.85 | 1.80 | 89.7 | 2,512 | 422 | 8.21 | 48.86 | 0.48 | 126.6 |
| July | 153,536 | 8,300 | 1.73 | 31.98 | 1.84 | 72.3 | 1,364 | 234 | 9.42 | 54.83 | 0.48 | 56.6 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 1,569,612 | 83,598 | 1.89 | 35.50 | 1.71 | 91.3 | 33,170 | 5,564 | 14.15 | 84.52 | 0.45 | 74.6 |
| 2019 | 1,530,413 | 80,403 | 1.83 | 34.96 | 1.81 | 98.8 | 11,290 | 1,907 | 14.37 | 85.03 | 0.49 | 61.3 |
| 2020 | 1,076,033 | 58,908 | 1.75 | 32.08 | 1.69 | 100.3 | 10,506 | 1,788 | 9.21 | 54.14 | 0.51 | 83.9 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 2,809,863 | 148,820 | 1.86 | 35.11 | 1.75 | 98.4 | 25,819 | 4,366 | 14.89 | 87.96 | 0.45 | 79.7 |
| 2020 | 2,147,233 | 115,553 | 1.76 | 32.74 | 1.67 | 99.7 | 18,526 | 3,157 | 11.41 | 66.94 | 0.51 | 77.4 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

- Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2010 - July 2020 (continued)

| | Petroleum Coke | | | | | | Natural Gas | | | | | All Fossil Fuels |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | Average Cost |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMbtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Mcf) | (Dollars per MMBtu) | (Dollars per Mcf) | Percentage of Consumption | (Dollars per MMBtu) |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 30,079 | 1,050 | 1.74 | 49.80 | 3.84 | 72.3 | 4,212,611 | 4,119,103 | 4.94 | 5.05 | 100.6 | 3.57 |
| 2011 | 33,643 | 1,175 | 2.54 | 72.85 | 4.55 | 84.6 | 4,252,040 | 4,158,617 | 4.62 | 4.72 | 100.8 | 3.52 |
| 2012 | 23,024 | 801 | 0.82 | 23.98 | 5.49 | 92.1 | 4,810,553 | 4,696,637 | 3.17 | 3.25 | 93.8 | 2.74 |
| 2013 | 16,150 | 575 | W | W | 5.39 | 65.6 | 4,025,263 | 3,917,898 | 4.25 | 4.36 | 92.8 | W |
| 2014 | 13,781 | 488 | 2.48 | 70.31 | 5.33 | 70.9 | 4,054,540 | 3,934,672 | 4.90 | 5.05 | 92.7 | 3.52 |
| 2015 | 14,550 | 524 | 2.45 | 68.22 | 5.26 | 67.3 | 4,683,291 | 4,530,195 | 2.94 | 3.04 | 93.2 | 2.57 |
| 2016 | 13,573 | 492 | 2.50 | 68.88 | 5.44 | 69.9 | 4,791,729 | 4,634,518 | 2.54 | 2.63 | 94.0 | 2.29 |
| 2017 | 0 | 0 | -- | -- | -- | 0.0 | 4,346,156 | 4,201,573 | 3.08 | 3.19 | 94.0 | 2.54 |
| 2018 | 0 | 0 | -- | -- | -- | 0.0 | 4,889,212 | 4,727,692 | 3.40 | 3.52 | 94.6 | 2.84 |
| 2019 | 0 | 0 | -- | -- | -- | 0.0 | 4,907,917 | 4,742,079 | 2.68 | 2.77 | 89.4 | 2.37 |
| Year 2018 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 343,077 | 331,644 | 5.21 | 5.39 | 93.1 | 3.99 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 312,835 | 302,657 | 3.38 | 3.49 | 93.7 | 2.80 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 346,290 | 334,497 | 2.87 | 2.97 | 93.6 | 2.46 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 319,774 | 309,352 | 2.96 | 3.06 | 94.1 | 2.51 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 377,388 | 365,397 | 2.79 | 2.89 | 94.8 | 2.46 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 422,237 | 408,330 | 2.89 | 2.98 | 95.3 | 2.53 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 570,783 | 552,360 | 3.21 | 3.32 | 95.3 | 2.79 |
| August | 0 | 0 | -- | -- | -- | 0.0 | 565,773 | 547,533 | 3.22 | 3.33 | 95.1 | 2.76 |
| Sept | 0 | 0 | -- | -- | -- | 0.0 | 489,149 | 472,958 | 2.90 | 3.00 | 95.4 | 2.54 |
| October | 0 | 0 | -- | -- | -- | 0.0 | 419,722 | 405,657 | 3.20 | 3.31 | 94.9 | 2.68 |
| November | 0 | 0 | -- | -- | -- | 0.0 | 355,192 | 343,013 | 4.12 | 4.27 | 94.1 | 3.19 |
| December | 0 | 0 | -- | -- | -- | 0.0 | 366,993 | 354,294 | 4.49 | 4.65 | 95.0 | 3.39 |
| Year 2019 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 381,402 | 368,347 | 3.83 | 3.97 | 91.1 | 3.01 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 342,971 | 331,583 | 3.47 | 3.60 | 90.6 | 2.83 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 352,850 | 341,038 | 3.25 | 3.37 | 90.0 | 2.70 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 312,158 | 302,172 | 2.63 | 2.72 | 88.9 | 2.31 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 351,935 | 340,689 | 2.51 | 2.60 | 90.1 | 2.26 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 416,432 | 403,183 | 2.33 | 2.41 | 89.2 | 2.15 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 540,331 | 522,062 | 2.37 | 2.46 | 87.7 | 2.21 |
| August | 0 | 0 | -- | -- | -- | 0.0 | 545,846 | 526,699 | 2.23 | 2.31 | 88.4 | 2.10 |
| Sept | 0 | 0 | -- | -- | -- | 0.0 | 468,552 | 452,716 | 2.36 | 2.44 | 89.0 | 2.17 |
| October | 0 | 0 | -- | -- | -- | 0.0 | 410,406 | 396,499 | 2.20 | 2.28 | 88.7 | 2.07 |
| November | 0 | 0 | -- | -- | -- | 0.0 | 368,029 | 354,954 | 2.74 | 2.85 | 90.0 | 2.38 |
| December | 0 | 0 | -- | -- | -- | 0.0 | 417,005 | 402,138 | 2.68 | 2.78 | 91.2 | 2.38 |
| Year 2020 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 417,189 | 402,001 | 2.36 | 2.45 | 91.1 | 2.17 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 384,463 | 371,044 | 2.09 | 2.17 | 91.0 | 2.00 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 369,642 | 356,790 | 1.87 | 1.93 | 88.9 | 1.86 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 322,578 | 311,096 | 1.79 | 1.86 | 90.4 | 1.79 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 345,359 | 334,474 | 1.80 | 1.87 | 90.1 | 1.81 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 445,819 | 431,962 | 1.70 | 1.75 | 89.3 | 1.74 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 586,268 | 567,914 | 1.83 | 1.89 | 87.1 | 1.82 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 0 | 0 | -- | -- | -- | 0.0 | 2,692,383 | 2,604,237 | 3.31 | 3.42 | 94.4 | 2.80 |
| 2019 | 0 | 0 | -- | -- | -- | 0.0 | 2,698,079 | 2,609,074 | 2.88 | 2.98 | 89.5 | 2.49 |
| 2020 | 0 | 0 | -- | -- | -- | 0.0 | 2,871,317 | 2,775,280 | 1.92 | 1.99 | 89.5 | 1.89 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 0 | 0 | -- | -- | -- | 0.0 | 4,894,908 | 4,732,529 | 3.16 | 3.27 | 91.9 | 2.67 |
| 2020 | 0 | 0 | -- | -- | -- | 0.0 | 5,081,156 | 4,908,286 | 2.14 | 2.21 | 89.4 | 2.04 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

- Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2010 - July 2020

| | Coal | | | | | | Petroleum Liquids | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMBtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Barrels) | (Dollars per MMBtu) | (Dollars per Barrel) | Average Sulfur Percent by Weight | Percentage of Consumption |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 37,778 | 1,747 | 2.82 | 61.06 | 1.77 | 101.6 | 2,395 | 400 | 15.24 | 91.25 | 0.38 | 106.3 |
| 2011 | 35,892 | 1,686 | 2.92 | 62.24 | 1.78 | 101.1 | 1,959 | 325 | 19.67 | 118.66 | 0.55 | 108.0 |
| 2012 | 4,427 | 192 | 3.41 | 78.71 | 2.75 | 13.2 | 247 | 43 | W | W | 0.00 | 11.0 |
| 2013 | 3,507 | 151 | W | W | 3.05 | 11.2 | 0 | 0 | -- | -- | -- | 0.0 |
| 2014 | 4,096 | 182 | 3.12 | 70.30 | 2.50 | 17.1 | 0 | 0 | -- | -- | -- | 0.0 |
| 2015 | 2,439 | 109 | 2.85 | 63.90 | 2.55 | 13.6 | 0 | 0 | -- | -- | -- | 0.0 |
| 2016 | 1,288 | 57 | 2.69 | 60.89 | 3.03 | 8.3 | 0 | 0 | -- | -- | -- | 0.0 |
| 2017 | 548 | 24 | 2.78 | 63.31 | 2.99 | 3.9 | 0 | 0 | -- | -- | -- | 0.0 |
| 2018 | 290 | 13 | 2.94 | 66.52 | 3.04 | 2.2 | 0 | 0 | -- | -- | -- | 0.0 |
| 2019 | 193 | 8 | 2.92 | 66.55 | 3.01 | 1.6 | 0 | 0 | -- | -- | -- | 0.0 |
| Year 2018 | | | | | | | | | | | | |
| January | 95 | 4 | 2.92 | 66.58 | 3.11 | 5.5 | 0 | 0 | -- | -- | -- | 0.0 |
| February | 31 | 1 | 2.92 | 66.05 | 3.19 | 2.3 | 0 | 0 | -- | -- | -- | 0.0 |
| March | 5 | 0 | 2.92 | 66.20 | 3.16 | 0.4 | 0 | 0 | -- | -- | -- | 0.0 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| August | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| Sept | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| October | 52 | 2 | 2.94 | 66.53 | 2.87 | 5.5 | 0 | 0 | -- | -- | -- | 0.0 |
| November | 62 | 3 | 2.94 | 66.44 | 2.99 | 5.8 | 0 | 0 | -- | -- | -- | 0.0 |
| December | 46 | 2 | 2.97 | 66.83 | 3.05 | 4.4 | 0 | 0 | -- | -- | -- | 0.0 |
| Year 2019 | | | | | | | | | | | | |
| January | 27 | 1 | 2.90 | 65.89 | 3.00 | 2.1 | 0 | 0 | -- | -- | -- | 0.0 |
| February | 37 | 2 | 2.90 | 65.51 | 2.95 | 3.2 | 0 | 0 | -- | -- | -- | 0.0 |
| March | 48 | 2 | 2.90 | 65.86 | 2.94 | 3.9 | 0 | 0 | -- | -- | -- | 0.0 |
| April | 2 | 0 | 2.90 | 65.28 | 2.90 | 0.3 | 0 | 0 | -- | -- | -- | 0.0 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| June | 2 | 0 | 2.90 | 66.38 | 3.02 | 0.4 | 0 | 0 | -- | -- | -- | 0.0 |
| July | 1 | 0 | 2.97 | 67.69 | 2.94 | 0.1 | 0 | 0 | -- | -- | -- | 0.0 |
| August | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| Sept | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| October | 23 | 1 | 2.96 | 67.99 | 3.17 | 2.7 | 0 | 0 | -- | -- | -- | 0.0 |
| November | 31 | 1 | 2.96 | 67.99 | 3.17 | 3.0 | 0 | 0 | -- | -- | -- | 0.0 |
| December | 21 | 1 | 2.96 | 67.34 | 2.91 | 2.0 | 0 | 0 | -- | -- | -- | 0.0 |
| Year 2020 | | | | | | | | | | | | |
| January | 26 | 1 | 2.96 | 67.40 | 2.94 | 2.8 | 0 | 0 | -- | -- | -- | 0.0 |
| February | 58 | 3 | 2.96 | 67.58 | 2.96 | 5.2 | 0 | 0 | -- | -- | -- | 0.0 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 0 | 0 | -- | -- | -- | 0.0 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 130 | 6 | 2.92 | 66.44 | 3.13 | 1.6 | 0 | 0 | -- | -- | -- | 0.0 |
| 2019 | 119 | 5 | 2.90 | 65.77 | 2.96 | 1.7 | 0 | 0 | -- | -- | -- | 0.0 |
| 2020 | 84 | 4 | 2.96 | 67.52 | 2.95 | 1.4 | 0 | 0 | -- | -- | -- | 0.0 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 278 | 12 | 2.93 | 66.24 | 2.96 | 2.3 | 0 | 0 | -- | -- | -- | 0.0 |
| 2020 | 159 | 7 | 2.96 | 67.66 | 3.02 | 1.5 | 0 | 0 | -- | -- | -- | 0.0 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

- Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2010 - July 2020 (continued)

| | Petroleum Coke | | | | | | Natural Gas | | | | | All Fossil Fuels |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | Average Cost |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMbtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Mcf) | (Dollars per MMBtu) | (Dollars per Mcf) | Percentage of Consumption | (Dollars per MMBtu) |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 410 | 15 | 2.19 | 60.59 | 5.67 | 122.5 | 92,055 | 90,130 | 5.39 | 5.51 | 105.1 | 4.83 |
| 2011 | 268 | 9 | W | W | 5.46 | 147.4 | 95,287 | 93,306 | 5.20 | 5.31 | 107.2 | W |
| 2012 | 0 | 0 | -- | -- | -- | 0.0 | 18,315 | 18,008 | 5.88 | 5.98 | 16.2 | W |
| 2013 | 0 | 0 | -- | -- | -- | 0.0 | 5,497 | 5,450 | W | W | 4.6 | W |
| 2014 | 0 | 0 | -- | -- | -- | 0.0 | 5,849 | 5,795 | 5.42 | 5.47 | 4.9 | 4.47 |
| 2015 | 0 | 0 | -- | -- | -- | 0.0 | 6,499 | 6,371 | 4.11 | 4.19 | 5.5 | 3.76 |
| 2016 | 0 | 0 | -- | -- | -- | 0.0 | 8,005 | 7,766 | 3.85 | 3.97 | 6.1 | 3.69 |
| 2017 | 0 | 0 | -- | -- | -- | 0.0 | 7,841 | 7,593 | 3.82 | 3.95 | 4.9 | 3.75 |
| 2018 | 0 | 0 | -- | -- | -- | 0.0 | 9,090 | 8,823 | 3.49 | 3.59 | 6.6 | 3.47 |
| 2019 | 0 | 0 | -- | -- | -- | 0.0 | 9,429 | 9,087 | 3.26 | 3.39 | 6.8 | 3.26 |
| Year 2018 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 844 | 818 | 3.63 | 3.74 | 7.1 | 3.56 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 709 | 688 | 3.72 | 3.84 | 6.5 | 3.69 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 768 | 746 | 3.59 | 3.69 | 6.8 | 3.58 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 732 | 713 | 3.49 | 3.58 | 7.3 | 3.49 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 776 | 758 | 3.47 | 3.55 | 7.4 | 3.47 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 670 | 650 | 3.57 | 3.67 | 5.8 | 3.57 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 790 | 760 | 3.39 | 3.52 | 5.8 | 3.39 |
| August | 0 | 0 | -- | -- | -- | 0.0 | 786 | 764 | 3.42 | 3.52 | 5.8 | 3.42 |
| Sept | 0 | 0 | -- | -- | -- | 0.0 | 744 | 723 | 3.38 | 3.48 | 6.3 | 3.38 |
| October | 0 | 0 | -- | -- | -- | 0.0 | 792 | 770 | 3.36 | 3.45 | 7.2 | 3.33 |
| November | 0 | 0 | -- | -- | -- | 0.0 | 723 | 701 | 3.41 | 3.52 | 6.6 | 3.37 |
| December | 0 | 0 | -- | -- | -- | 0.0 | 756 | 732 | 3.41 | 3.52 | 6.6 | 3.39 |
| Year 2019 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 778 | 751 | 3.40 | 3.52 | 6.2 | 3.38 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 772 | 745 | 3.37 | 3.50 | 6.8 | 3.35 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 839 | 812 | 3.36 | 3.47 | 7.2 | 3.33 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 775 | 748 | 3.30 | 3.41 | 7.3 | 3.29 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 811 | 782 | 3.26 | 3.38 | 7.7 | 3.26 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 807 | 776 | 3.23 | 3.36 | 7.3 | 3.22 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 721 | 701 | 3.17 | 3.26 | 5.9 | 3.17 |
| August | 0 | 0 | -- | -- | -- | 0.0 | 838 | 808 | 3.13 | 3.25 | 6.8 | 3.13 |
| Sept | 0 | 0 | -- | -- | -- | 0.0 | 747 | 717 | 3.15 | 3.28 | 6.5 | 3.15 |
| October | 0 | 0 | -- | -- | -- | 0.0 | 766 | 734 | 3.24 | 3.38 | 6.8 | 3.23 |
| November | 0 | 0 | -- | -- | -- | 0.0 | 743 | 713 | 3.30 | 3.43 | 6.3 | 3.28 |
| December | 0 | 0 | -- | -- | -- | 0.0 | 832 | 801 | 3.26 | 3.39 | 6.7 | 3.25 |
| Year 2020 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 795 | 763 | 3.09 | 3.22 | 6.3 | 3.09 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 693 | 663 | 3.12 | 3.26 | 6.0 | 3.11 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 751 | 722 | 3.10 | 3.22 | 6.7 | 3.10 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 661 | 638 | 3.09 | 3.20 | 6.7 | 3.09 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 657 | 631 | 3.09 | 3.22 | 6.5 | 3.09 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 626 | 599 | 3.09 | 3.23 | 5.8 | 3.09 |
| July | 0 | 0 | -- | -- | -- | 0.0 | 624 | 599 | 3.11 | 3.24 | 5.1 | 3.11 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 0 | 0 | -- | -- | -- | 0.0 | 5,290 | 5,134 | 3.55 | 3.66 | 6.6 | 3.53 |
| 2019 | 0 | 0 | -- | -- | -- | 0.0 | 5,503 | 5,314 | 3.30 | 3.41 | 6.9 | 3.29 |
| 2020 | 0 | 0 | -- | -- | -- | 0.0 | 4,806 | 4,615 | 3.10 | 3.23 | 6.2 | 3.10 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 0 | 0 | -- | -- | -- | 0.0 | 9,303 | 9,003 | 3.34 | 3.45 | 6.7 | 3.32 |
| 2020 | 0 | 0 | -- | -- | -- | 0.0 | 8,731 | 8,388 | 3.15 | 3.28 | 6.4 | 3.15 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2010 - July 2020

| | Coal | | | | | | Petroleum Liquids | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMBtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Barrels) | (Dollars per MMBtu) | (Dollars per Barrel) | Average Sulfur Percent by Weight | Percentage of Consumption |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 468,991 | 21,492 | 2.75 | 60.08 | 1.26 | 87.2 | 33,276 | 5,554 | 13.21 | 79.15 | 0.93 | 125.6 |
| 2011 | 476,108 | 22,204 | 2.93 | 62.86 | 1.33 | 99.5 | 28,939 | 4,878 | 17.67 | 104.83 | 1.08 | 144.8 |
| 2012 | 285,172 | 13,206 | 3.02 | 65.24 | 1.33 | 65.8 | 6,739 | 1,095 | W | W | 1.52 | 40.8 |
| 2013 | 275,543 | 12,727 | W | W | 1.32 | 64.4 | 2,431 | 394 | 18.20 | 112.29 | 1.43 | 15.8 |
| 2014 | 281,867 | 13,050 | 2.97 | 64.15 | 1.33 | 68.4 | 2,290 | 373 | 17.91 | 109.99 | 1.43 | 15.6 |
| 2015 | 263,630 | 12,132 | 2.72 | 59.17 | 1.35 | 71.4 | 2,359 | 385 | 13.45 | 82.47 | 1.42 | 16.9 |
| 2016 | 210,749 | 9,859 | 2.67 | 57.01 | 1.30 | 67.0 | 2,541 | 412 | 10.51 | 64.79 | 1.27 | 18.3 |
| 2017 | 192,637 | 9,178 | 2.49 | 52.29 | 1.35 | 70.7 | 1,850 | 297 | 11.18 | 69.57 | 1.42 | 15.2 |
| 2018 | 170,730 | 8,224 | 2.47 | 51.38 | 1.30 | 67.2 | 2,319 | 372 | 13.46 | 83.97 | 1.35 | 15.9 |
| 2019 | 147,537 | 7,156 | 2.55 | 52.62 | 1.18 | 63.6 | 1,684 | 275 | 13.19 | 80.82 | 1.47 | 13.6 |
| Year 2018 | | | | | | | | | | | | |
| January | 15,751 | 758 | 2.46 | 51.13 | 1.18 | 61.0 | 408 | 65 | 12.64 | 79.32 | 1.32 | 13.7 |
| February | 14,274 | 683 | 2.48 | 51.82 | 1.32 | 60.9 | 187 | 30 | 11.38 | 71.32 | 1.20 | 15.9 |
| March | 15,612 | 747 | 2.51 | 52.40 | 1.31 | 67.4 | 234 | 38 | 12.59 | 78.52 | 1.32 | 23.5 |
| April | 13,476 | 643 | 2.52 | 52.79 | 1.35 | 67.0 | 153 | 24 | 13.24 | 83.77 | 1.23 | 17.6 |
| May | 14,544 | 704 | 2.51 | 51.92 | 1.24 | 71.9 | 149 | 24 | 14.33 | 87.27 | 1.47 | 16.1 |
| June | 14,489 | 697 | 2.49 | 51.65 | 1.28 | 71.9 | 107 | 17 | 13.54 | 84.39 | 1.48 | 10.5 |
| July | 14,900 | 724 | 2.41 | 49.69 | 1.32 | 75.3 | 138 | 22 | 14.64 | 89.87 | 1.42 | 13.2 |
| August | 13,930 | 668 | 2.48 | 51.76 | 1.31 | 70.4 | 135 | 22 | 14.45 | 89.97 | 1.39 | 15.5 |
| Sept | 12,593 | 600 | 2.53 | 53.10 | 1.35 | 63.7 | 155 | 25 | 14.38 | 89.73 | 1.12 | 19.7 |
| October | 12,410 | 598 | 2.47 | 51.18 | 1.38 | 67.1 | 180 | 29 | 14.50 | 91.01 | 1.37 | 14.9 |
| November | 14,259 | 701 | 2.50 | 50.92 | 1.15 | 69.1 | 206 | 33 | 14.01 | 87.74 | 1.58 | 15.0 |
| December | 14,492 | 701 | 2.35 | 48.52 | 1.47 | 64.1 | 268 | 43 | 13.75 | 85.58 | 1.46 | 19.7 |
| Year 2019 | | | | | | | | | | | | |
| January | 12,678 | 629 | 2.49 | 50.14 | 1.13 | 57.4 | 154 | 25 | 12.98 | 80.23 | 1.24 | 8.0 |
| February | 12,842 | 617 | 2.61 | 54.43 | 1.16 | 61.6 | 199 | 33 | 13.77 | 82.99 | 1.45 | 19.3 |
| March | 13,424 | 629 | 2.68 | 57.20 | 1.49 | 66.7 | 126 | 21 | 13.43 | 82.27 | 1.63 | 13.2 |
| April | 12,978 | 629 | 2.63 | 54.29 | 1.15 | 68.6 | 223 | 36 | 12.89 | 79.74 | 1.54 | 21.8 |
| May | 12,720 | 623 | 2.51 | 51.21 | 0.97 | 68.3 | 92 | 15 | 14.12 | 86.68 | 1.48 | 9.4 |
| June | 11,705 | 567 | 2.49 | 51.38 | 1.22 | 64.3 | 131 | 21 | 13.04 | 79.96 | 1.55 | 14.7 |
| July | 11,385 | 551 | 2.45 | 50.57 | 1.32 | 63.5 | 80 | 13 | 11.99 | 74.33 | 1.41 | 11.8 |
| August | 10,876 | 530 | 2.39 | 49.14 | 1.23 | 59.9 | 112 | 18 | 12.56 | 77.49 | 1.66 | 12.4 |
| Sept | 11,131 | 539 | 2.48 | 51.28 | 1.24 | 63.8 | 154 | 25 | 13.15 | 80.17 | 1.58 | 18.0 |
| October | 11,889 | 586 | 2.59 | 52.47 | 1.21 | 61.0 | 136 | 22 | 13.01 | 79.34 | 1.42 | 17.6 |
| November | 13,255 | 645 | 2.59 | 53.19 | 1.05 | 66.4 | 137 | 22 | 13.67 | 83.44 | 1.46 | 9.2 |
| December | 12,654 | 612 | 2.67 | 55.16 | 1.07 | 63.4 | 141 | 23 | 13.33 | 81.47 | 1.25 | 16.2 |
| Year 2020 | | | | | | | | | | | | |
| January | 12,628 | 614 | 2.51 | 51.68 | 1.13 | 62.3 | 162 | 27 | 13.84 | 83.92 | 1.71 | 20.1 |
| February | 11,241 | 555 | 2.42 | 48.89 | 1.12 | 59.1 | 188 | 31 | 12.36 | 76.04 | 0.93 | 23.3 |
| March | 13,022 | 621 | 2.63 | 55.19 | 1.27 | 70.0 | 192 | 31 | 10.77 | 66.35 | 1.35 | 26.9 |
| April | 9,654 | 471 | 2.53 | 51.78 | 1.21 | 59.5 | 115 | 19 | 10.75 | 65.79 | 1.36 | 18.0 |
| May | 9,763 | 480 | 2.46 | 50.12 | 1.15 | 63.7 | 129 | 21 | 7.84 | 48.89 | 0.84 | 16.8 |
| June | 9,888 | 491 | 2.39 | 48.11 | 1.21 | 69.7 | 95 | 16 | 8.89 | 53.81 | 1.06 | 11.1 |
| July | 10,067 | 488 | 2.44 | 50.24 | 1.19 | 64.3 | 125 | 20 | 9.45 | 57.95 | 1.22 | 15.6 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 103,045 | 4,956 | 2.48 | 51.61 | 1.28 | 67.5 | 1,375 | 221 | 12.98 | 80.94 | 1.32 | 15.3 |
| 2019 | 87,732 | 4,245 | 2.55 | 52.80 | 1.21 | 64.1 | 1,005 | 164 | 13.21 | 81.03 | 1.48 | 13.4 |
| 2020 | 76,264 | 3,720 | 2.49 | 51.00 | 1.18 | 63.9 | 1,006 | 164 | 10.84 | 66.51 | 1.20 | 18.7 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 155,416 | 7,512 | 2.52 | 52.03 | 1.26 | 65.3 | 1,949 | 315 | 13.67 | 84.56 | 1.44 | 14.9 |
| 2020 | 136,070 | 6,631 | 2.52 | 51.60 | 1.17 | 63.5 | 1,686 | 275 | 11.78 | 72.16 | 1.32 | 16.4 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

## Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2010 - July 2020 (continued)

| | Petroleum Coke | | | | | | Natural Gas | | | | | All Fossil Fuels |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts | | Average Cost | | | | Receipts | | Average Cost | | | Average Cost |
| Period | (Billion Btu) | (Thousand Tons) | (Dollars per MMbtu) | (Dollars per Ton) | Average Sulfur Percent by Weight | Percentage of Consumption | (Billion Btu) | (Thousand Mcf) | (Dollars per MMBtu) | (Dollars per Mcf) | Percentage of Consumption | (Dollars per MMBtu) |
| Annual Totals | | | | | | | | | | | | |
| 2010 | 35,866 | 1,269 | 2.46 | 69.38 | 4.90 | 100.5 | 1,166,768 | 1,135,917 | 4.64 | 4.77 | 110.4 | 4.24 |
| 2011 | 37,981 | 1,351 | W | W | 5.03 | 108.3 | 1,331,977 | 1,296,628 | 4.28 | 4.40 | 122.0 | W |
| 2012 | 23,861 | 858 | 2.62 | 72.96 | 5.86 | 42.2 | 834,245 | 813,288 | 2.97 | 3.05 | 70.8 | W |
| 2013 | 17,236 | 623 | W | W | 5.82 | 30.5 | 750,946 | 728,835 | W | W | 62.3 | W |
| 2014 | 9,736 | 358 | 2.56 | 69.67 | 5.83 | 23.2 | 742,347 | 718,360 | 4.54 | 4.69 | 62.7 | 4.12 |
| 2015 | 8,189 | 304 | 1.73 | 46.72 | 5.50 | 24.1 | 765,964 | 740,975 | 2.83 | 2.93 | 60.6 | 2.82 |
| 2016 | 3,664 | 135 | 2.00 | 54.12 | 5.84 | 11.2 | 744,034 | 721,358 | 2.65 | 2.74 | 59.6 | 2.68 |
| 2017 | 2,356 | 85 | 1.59 | 44.08 | 5.84 | 8.1 | 803,435 | 778,741 | 3.18 | 3.28 | 62.0 | 3.06 |
| 2018 | 1,911 | 71 | 1.75 | 47.47 | 5.74 | 7.1 | 792,297 | 769,790 | 3.39 | 3.49 | 58.6 | 3.25 |
| 2019 | 2,028 | 73 | 1.69 | 46.99 | 5.81 | 7.8 | 795,998 | 772,508 | 2.83 | 2.91 | 57.3 | 2.80 |
| Year 2018 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 69,164 | 67,045 | 3.59 | 3.70 | 58.1 | 3.42 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 60,810 | 58,990 | 3.41 | 3.52 | 58.6 | 3.26 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 61,164 | 59,423 | 2.85 | 2.94 | 56.5 | 2.81 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 61,184 | 59,457 | 2.92 | 3.01 | 58.4 | 2.87 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 63,410 | 61,557 | 2.99 | 3.08 | 58.8 | 2.92 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 65,879 | 64,032 | 3.14 | 3.23 | 59.8 | 3.03 |
| July | 160 | 6 | 1.70 | 45.10 | 5.83 | 6.8 | 68,296 | 66,523 | 3.03 | 3.11 | 57.4 | 2.93 |
| August | 260 | 10 | 1.78 | 46.99 | 5.55 | 12.2 | 69,386 | 67,341 | 3.12 | 3.21 | 58.1 | 3.03 |
| Sept | 664 | 25 | 1.78 | 47.54 | 6.02 | 31.0 | 67,825 | 66,022 | 3.12 | 3.20 | 60.1 | 3.04 |
| October | 477 | 17 | 1.76 | 48.96 | 5.45 | 20.6 | 66,419 | 64,687 | 3.75 | 3.85 | 59.0 | 3.56 |
| November | 172 | 6 | 1.69 | 46.62 | 5.85 | 8.4 | 71,469 | 69,556 | 3.97 | 4.08 | 61.6 | 3.75 |
| December | 178 | 6 | 1.70 | 47.00 | 5.53 | 7.3 | 67,289 | 65,157 | 4.70 | 4.85 | 56.6 | 4.31 |
| Year 2019 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 72,247 | 70,154 | 3.77 | 3.88 | 58.2 | 3.59 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 63,912 | 61,868 | 3.45 | 3.56 | 58.1 | 3.34 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 65,584 | 63,706 | 3.13 | 3.22 | 57.2 | 3.07 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 63,841 | 62,075 | 2.85 | 2.93 | 58.4 | 2.84 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 65,305 | 63,475 | 2.75 | 2.83 | 58.1 | 2.73 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 63,184 | 61,402 | 2.63 | 2.71 | 56.8 | 2.63 |
| July | 43 | 2 | 1.71 | 46.96 | 5.81 | 1.6 | 67,946 | 65,986 | 2.49 | 2.57 | 57.8 | 2.49 |
| August | 615 | 23 | 1.75 | 46.99 | 5.75 | 29.3 | 68,127 | 66,022 | 2.38 | 2.45 | 57.6 | 2.39 |
| Sept | 743 | 26 | 1.63 | 47.00 | 5.56 | 26.1 | 64,141 | 62,097 | 2.56 | 2.65 | 56.7 | 2.56 |
| October | 627 | 23 | 1.72 | 47.00 | 6.17 | 32.6 | 63,390 | 61,514 | 2.46 | 2.54 | 55.6 | 2.49 |
| November | 0 | 0 | -- | -- | -- | 0.0 | 67,713 | 65,714 | 2.77 | 2.86 | 56.8 | 2.76 |
| December | 0 | 0 | -- | -- | -- | 0.0 | 70,607 | 68,496 | 2.62 | 2.70 | 56.2 | 2.65 |
| Year 2020 | | | | | | | | | | | | |
| January | 0 | 0 | -- | -- | -- | 0.0 | 71,557 | 69,397 | 2.36 | 2.44 | 56.1 | 2.41 |
| February | 0 | 0 | -- | -- | -- | 0.0 | 65,225 | 63,315 | 2.12 | 2.19 | 56.4 | 2.19 |
| March | 0 | 0 | -- | -- | -- | 0.0 | 65,805 | 63,979 | 2.00 | 2.05 | 56.0 | 2.12 |
| April | 0 | 0 | -- | -- | -- | 0.0 | 61,924 | 60,107 | 1.87 | 1.92 | 56.7 | 1.97 |
| May | 0 | 0 | -- | -- | -- | 0.0 | 64,228 | 62,457 | 1.97 | 2.02 | 58.1 | 2.04 |
| June | 0 | 0 | -- | -- | -- | 0.0 | 64,457 | 62,685 | 1.83 | 1.88 | 57.1 | 1.91 |
| July | 506 | 19 | 1.72 | 47.01 | 6.06 | 23.6 | 66,592 | 64,859 | 1.84 | 1.89 | 55.9 | 1.93 |
| Year to Date | | | | | | | | | | | | |
| 2018 | 160 | 6 | 1.70 | 45.10 | 5.83 | 1.0 | 449,908 | 437,026 | 3.14 | 3.23 | 58.2 | 3.04 |
| 2019 | 43 | 2 | 1.71 | 46.96 | 5.81 | 0.3 | 462,019 | 448,666 | 3.02 | 3.11 | 57.8 | 2.96 |
| 2020 | 506 | 19 | 1.72 | 47.01 | 6.06 | 4.4 | 459,789 | 446,799 | 2.00 | 2.06 | 56.6 | 2.09 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2019 | 1,794 | 66 | 1.76 | 47.67 | 5.73 | 6.9 | 804,408 | 781,430 | 3.32 | 3.42 | 58.3 | 3.21 |
| 2020 | 2,491 | 90 | 1.70 | 47.00 | 5.87 | 11.2 | 793,768 | 770,641 | 2.24 | 2.31 | 56.6 | 2.29 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

- Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, July 2020 and 2019**
**(Thousand Tons)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 3 | 3 | -2.2% | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 3 | 3 | -2.2% | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 1,053 | 1,183 | -11.0% | 0 | 0 | 1,042 | 1,172 | 0 | 0 | 11 | 11 |
| New Jersey | 51 | 43 | 17.0% | 0 | 0 | 51 | 43 | 0 | 0 | 0 | 0 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 1,002 | 1,140 | -12.0% | 0 | 0 | 991 | 1,129 | 0 | 0 | 11 | 11 |
| East North Central | 7,932 | 10,743 | -26.0% | 5,154 | 6,714 | 2,628 | 3,886 | 0 | 0 | 151 | 144 |
| Illinois | 1,569 | 2,786 | -44.0% | 225 | 631 | 1,193 | 2,012 | 0 | 0 | 151 | 143 |
| Indiana | 2,036 | 2,500 | -19.0% | 1,837 | 2,364 | 200 | 135 | 0 | 0 | 0 | 0 |
| Michigan | 1,543 | 2,143 | -28.0% | 1,517 | 2,125 | 27 | 18 | 0 | 0 | 0 | 1 |
| Ohio | 1,402 | 1,929 | -27.0% | 194 | 208 | 1,208 | 1,721 | 0 | 0 | 0 | 0 |
| Wisconsin | 1,381 | 1,386 | -0.4% | 1,381 | 1,386 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 8,542 | 9,438 | -9.5% | 8,347 | 9,188 | 0 | 0 | 0 | 0 | 195 | 250 |
| Iowa | 1,025 | 1,481 | -31.0% | 862 | 1,293 | 0 | 0 | 0 | 0 | 164 | 188 |
| Kansas | 1,277 | 664 | 92.0% | 1,277 | 664 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 597 | 1,239 | -52.0% | 597 | 1,239 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 2,440 | 2,656 | -8.2% | 2,440 | 2,656 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 1,190 | 1,144 | 4.0% | 1,158 | 1,082 | 0 | 0 | 0 | 0 | 32 | 62 |
| North Dakota | 1,985 | 2,112 | -6.0% | 1,985 | 2,112 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 28 | 142 | -80.0% | 28 | 142 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 4,036 | 6,331 | -36.0% | 3,562 | 5,654 | 436 | 618 | 0 | 0 | 38 | 58 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 528 | 668 | -21.0% | 528 | 659 | 0 | 0 | 0 | 0 | 0 | 9 |
| Georgia | 353 | 1,394 | -75.0% | 349 | 1,383 | 0 | 0 | 0 | 0 | 5 | 11 |
| Maryland | 98 | 185 | -47.0% | 0 | 0 | 98 | 185 | 0 | 0 | 0 | 0 |
| North Carolina | 644 | 1,143 | -44.0% | 626 | 1,112 | 2 | 13 | 0 | 0 | 16 | 18 |
| South Carolina | 258 | 672 | -62.0% | 245 | 668 | 12 | 0 | 0 | 0 | 0 | 4 |
| Virginia | 171 | 295 | -42.0% | 154 | 258 | 0 | 21 | 0 | 0 | 17 | 16 |
| West Virginia | 1,984 | 1,972 | 0.6% | 1,661 | 1,574 | 323 | 398 | 0 | 0 | 0 | 0 |
| East South Central | 3,672 | 5,002 | -27.0% | 3,394 | 4,695 | 245 | 259 | 0 | 0 | 34 | 48 |
| Alabama | 1,049 | 1,324 | -21.0% | 1,049 | 1,324 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 1,943 | 2,537 | -23.0% | 1,943 | 2,537 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 348 | 374 | -6.8% | 104 | 115 | 245 | 259 | 0 | 0 | 0 | 0 |
| Tennessee | 332 | 768 | -57.0% | 298 | 720 | 0 | 0 | 0 | 0 | 34 | 48 |
| West South Central | 6,366 | 8,403 | -24.0% | 3,242 | 4,456 | 3,119 | 3,929 | 0 | 0 | 5 | 19 |
| Arkansas | 932 | 1,385 | -33.0% | 746 | 1,249 | 181 | 132 | 0 | 0 | 5 | 4 |
| Louisiana | 226 | 555 | -59.0% | 62 | 490 | 164 | 65 | 0 | 0 | 0 | 0 |
| Oklahoma | 469 | 420 | 11.0% | 469 | 347 | 0 | 59 | 0 | 0 | 0 | 15 |
| Texas | 4,739 | 6,042 | -22.0% | 1,965 | 2,370 | 2,774 | 3,673 | 0 | 0 | 0 | 0 |
| Mountain | 5,499 | 7,435 | -26.0% | 4,925 | 6,502 | 574 | 933 | 0 | 0 | 0 | 0 |
| Arizona | 876 | 1,285 | -32.0% | 876 | 1,285 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 587 | 1,100 | -47.0% | 587 | 1,100 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 467 | 830 | -44.0% | 19 | 26 | 448 | 804 | 0 | 0 | 0 | 0 |
| Nevada | 106 | 155 | -32.0% | 61 | 109 | 45 | 46 | 0 | 0 | 0 | 0 |
| New Mexico | 797 | 903 | -12.0% | 797 | 903 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 1,085 | 1,143 | -5.0% | 1,052 | 1,107 | 33 | 35 | 0 | 0 | 0 | 0 |
| Wyoming | 1,580 | 2,021 | -22.0% | 1,533 | 1,973 | 47 | 47 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 248 | 529 | -53.0% | 0 | 154 | 193 | 353 | 0 | 0 | 55 | 22 |
| California | 55 | 22 | 153.0% | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 22 |
| Oregon | 0 | 154 | -100.0% | 0 | 154 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 193 | 353 | -45.0% | 0 | 0 | 193 | 353 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 78 | 32 | 148.0% | 17 | 32 | 62 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 17 | 32 | -48.0% | 17 | 32 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 62 | 0 | -- | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 37,428 | 49,099 | -24.0% | 28,639 | 37,394 | 8,300 | 11,154 | 0 | 0 | 488 | 551 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019**
**(Thousand Tons)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 104 | 87 | 19.0% | 72 | 49 | 32 | 39 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 32 | 39 | -18.0% | 0 | 0 | 32 | 39 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 72 | 49 | 49.0% | 72 | 49 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 5,680 | 11,253 | -50.0% | 37 | 0 | 5,600 | 11,209 | 0 | 0 | 43 | 43 |
| New Jersey | 284 | 345 | -18.0% | 0 | 0 | 284 | 345 | 0 | 0 | 0 | 0 |
| New York | 0 | 69 | -100.0% | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 |
| Pennsylvania | 5,396 | 10,839 | -50.0% | 37 | 0 | 5,316 | 10,796 | 0 | 0 | 43 | 43 |
| East North Central | 50,826 | 72,808 | -30.0% | 29,344 | 42,332 | 20,405 | 29,421 | 0 | 0 | 1,077 | 1,056 |
| Illinois | 13,767 | 21,118 | -35.0% | 2,376 | 4,119 | 10,328 | 15,972 | 0 | 0 | 1,063 | 1,027 |
| Indiana | 12,915 | 17,312 | -25.0% | 11,494 | 16,146 | 1,421 | 1,166 | 0 | 0 | 0 | 0 |
| Michigan | 7,121 | 12,090 | -41.0% | 6,990 | 11,996 | 131 | 94 | 0 | 0 | 0 | 1 |
| Ohio | 9,679 | 13,677 | -29.0% | 1,153 | 1,489 | 8,525 | 12,188 | 0 | 0 | 0 | 0 |
| Wisconsin | 7,343 | 8,610 | -15.0% | 7,330 | 8,582 | 0 | 0 | 0 | 0 | 13 | 28 |
| West North Central | 55,186 | 59,174 | -6.7% | 53,588 | 57,365 | 0 | 0 | 4 | 5 | 1,594 | 1,804 |
| Iowa | 8,193 | 8,915 | -8.1% | 6,999 | 7,627 | 0 | 0 | 0 | 0 | 1,194 | 1,288 |
| Kansas | 6,325 | 6,083 | 4.0% | 6,325 | 6,083 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 3,632 | 7,059 | -49.0% | 3,632 | 6,991 | 0 | 0 | 0 | 0 | 0 | 68 |
| Missouri | 17,146 | 16,436 | 4.3% | 17,142 | 16,431 | 0 | 0 | 4 | 5 | 0 | 0 |
| Nebraska | 7,257 | 7,285 | -0.4% | 6,857 | 6,838 | 0 | 0 | 0 | 0 | 400 | 447 |
| North Dakota | 12,133 | 12,418 | -2.3% | 12,133 | 12,418 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 501 | 978 | -49.0% | 501 | 978 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 25,858 | 45,411 | -43.0% | 23,252 | 40,388 | 2,313 | 4,538 | 0 | 0 | 293 | 486 |
| Delaware | 0 | 71 | -100.0% | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 3,286 | 5,344 | -39.0% | 3,275 | 5,311 | 0 | 0 | 0 | 0 | 11 | 33 |
| Georgia | 3,280 | 8,916 | -63.0% | 3,233 | 8,834 | 0 | 0 | 0 | 0 | 47 | 83 |
| Maryland | 665 | 1,678 | -60.0% | 0 | 0 | 665 | 1,586 | 0 | 0 | 0 | 92 |
| North Carolina | 4,248 | 7,499 | -43.0% | 4,083 | 7,348 | 36 | 35 | 0 | 0 | 128 | 117 |
| South Carolina | 2,700 | 4,842 | -44.0% | 2,649 | 4,827 | 48 | 0 | 0 | 0 | 3 | 15 |
| Virginia | 771 | 1,737 | -56.0% | 668 | 1,395 | 0 | 196 | 0 | 0 | 103 | 146 |
| West Virginia | 10,909 | 15,324 | -29.0% | 9,345 | 12,674 | 1,565 | 2,650 | 0 | 0 | 0 | 0 |
| East South Central | 22,967 | 31,978 | -28.0% | 20,868 | 29,854 | 1,792 | 1,757 | 0 | 0 | 307 | 367 |
| Alabama | 6,219 | 7,953 | -22.0% | 6,219 | 7,953 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 12,285 | 17,721 | -31.0% | 12,285 | 17,721 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 2,227 | 2,566 | -13.0% | 435 | 809 | 1,792 | 1,757 | 0 | 0 | 0 | 0 |
| Tennessee | 2,235 | 3,739 | -40.0% | 1,929 | 3,371 | 0 | 0 | 0 | 0 | 307 | 367 |
| West South Central | 42,550 | 52,990 | -20.0% | 19,622 | 27,960 | 22,868 | 24,901 | 0 | 0 | 60 | 128 |
| Arkansas | 5,856 | 7,978 | -27.0% | 4,508 | 6,758 | 1,319 | 1,181 | 0 | 0 | 30 | 38 |
| Louisiana | 2,254 | 3,621 | -38.0% | 1,564 | 2,838 | 689 | 783 | 0 | 0 | 0 | 0 |
| Oklahoma | 1,805 | 3,020 | -40.0% | 1,711 | 2,728 | 63 | 201 | 0 | 0 | 30 | 90 |
| Texas | 32,636 | 38,371 | -15.0% | 11,839 | 15,635 | 20,797 | 22,736 | 0 | 0 | 0 | 0 |
| Mountain | 37,368 | 45,247 | -17.0% | 33,531 | 39,731 | 3,837 | 5,516 | 0 | 0 | 0 | 0 |
| Arizona | 4,599 | 8,435 | -45.0% | 4,599 | 8,435 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 6,506 | 8,152 | -20.0% | 6,506 | 8,152 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 3,175 | 4,786 | -34.0% | 129 | 162 | 3,046 | 4,624 | 0 | 0 | 0 | 0 |
| Nevada | 682 | 1,091 | -37.0% | 351 | 747 | 332 | 344 | 0 | 0 | 0 | 0 |
| New Mexico | 4,256 | 4,810 | -12.0% | 4,256 | 4,810 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 7,213 | 6,341 | 14.0% | 7,055 | 6,098 | 158 | 244 | 0 | 0 | 0 | 0 |
| Wyoming | 10,937 | 11,631 | -6.0% | 10,635 | 11,327 | 301 | 304 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 2,513 | 3,910 | -36.0% | 525 | 889 | 1,641 | 2,661 | 0 | 0 | 347 | 361 |
| California | 347 | 361 | -3.8% | 0 | 0 | 0 | 0 | 0 | 0 | 347 | 361 |
| Oregon | 525 | 889 | -41.0% | 525 | 889 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 1,641 | 2,661 | -38.0% | 0 | 0 | 1,641 | 2,661 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 607 | 550 | 10.0% | 187 | 189 | 420 | 361 | 0 | 0 | 0 | 0 |
| Alaska | 187 | 189 | -1.0% | 187 | 189 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 420 | 361 | 16.0% | 0 | 0 | 420 | 361 | 0 | 0 | 0 | 0 |
| U.S. Total | 243,660 | 323,409 | -25.0% | 181,028 | 238,757 | 58,908 | 80,403 | 4 | 5 | 3,720 | 4,245 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, July 2020 and 2019
## (Thousand Barrels)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 1 | 2 | -45.0% | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -100.0% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 1 | 2 | -57.0% | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 22 | 19 | 17.0% | 0 | 0 | 16 | 12 | 0 | 0 | 6 | 6 |
| New Jersey | 0 | 1 | -100.0% | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| New York | 0 | 2 | -81.0% | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Pennsylvania | 22 | 16 | 34.0% | 0 | 0 | 16 | 10 | 0 | 0 | 6 | 6 |
| East North Central | 85 | 68 | 24.0% | 48 | 46 | 36 | 21 | 0 | 0 | 1 | 1 |
| Illinois | 7 | 5 | 61.0% | 1 | 0 | 7 | 5 | 0 | 0 | 0 | 0 |
| Indiana | 21 | 28 | -25.0% | 21 | 28 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 25 | 15 | 61.0% | 24 | 14 | 0 | 0 | 0 | 0 | 1 | 1 |
| Ohio | 30 | 18 | 68.0% | 1 | 1 | 29 | 17 | 0 | 0 | 0 | 0 |
| Wisconsin | 1 | 2 | -41.0% | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 31 | 24 | 32.0% | 31 | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 13 | 7 | 87.0% | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 4 | 5 | -27.0% | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 3 | 1 | 151.0% | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 11 | 10 | 10.0% | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 1 | -14.0% | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 145 | 109 | 33.0% | 109 | 93 | 22 | 11 | 0 | 0 | 13 | 5 |
| Delaware | 4 | 2 | 102.0% | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 15 | 38 | -61.0% | 12 | 37 | 0 | 0 | 0 | 0 | 3 | 1 |
| Georgia | 16 | 9 | 73.0% | 13 | 7 | 0 | 0 | 0 | 0 | 3 | 2 |
| Maryland | 18 | 8 | 115.0% | 0 | 0 | 18 | 8 | 0 | 0 | 0 | 0 |
| North Carolina | 14 | 15 | -11.0% | 9 | 14 | 0 | 0 | 0 | 0 | 5 | 2 |
| South Carolina | 6 | 7 | -12.0% | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 21 | 5 | 356.0% | 18 | 4 | 1 | 0 | 0 | 0 | 3 | 0 |
| West Virginia | 51 | 24 | 109.0% | 51 | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 32 | 23 | 39.0% | 31 | 23 | 0 | 0 | 0 | 0 | 1 | 0 |
| Alabama | 1 | 3 | -75.0% | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 11 | 9 | 28.0% | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 1 | 2 | -37.0% | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 19 | 10 | 97.0% | 18 | 10 | 0 | 0 | 0 | 0 | 1 | 0 |
| West South Central | 9 | 12 | -26.0% | 8 | 7 | 1 | 5 | 0 | 0 | 0 | 0 |
| Arkansas | 6 | 4 | 56.0% | 6 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| Louisiana | 0 | 1 | -100.0% | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 1 | -100.0% | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 3 | 6 | -52.0% | 2 | 5 | 1 | 1 | 0 | 0 | 0 | 0 |
| Mountain | 17 | 18 | -6.1% | 16 | 17 | 1 | 1 | 0 | 0 | 0 | 0 |
| Arizona | 3 | 2 | 47.0% | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 1 | 0 | -- | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 1 | 3 | -59.0% | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| New Mexico | 3 | 4 | -34.0% | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 4 | 2 | 112.0% | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 5 | 7 | -27.0% | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 2 | 3 | -25.0% | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 2 | 3 | -25.0% | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 821 | 699 | 17.0% | 667 | 518 | 155 | 182 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 3 | -87.0% | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 821 | 696 | 18.0% | 666 | 514 | 155 | 182 | 0 | 0 | 0 | 0 |
| U.S. Total | 1,166 | 977 | 19.0% | 911 | 728 | 234 | 236 | 0 | 0 | 20 | 13 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019**
**(Thousand Barrels)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 363 | 193 | 88.0% | 7 | 8 | 356 | 185 | 0 | 0 | 0 | 0 |
| Connecticut | 98 | 6 | NM | 0 | 0 | 98 | 6 | 0 | 0 | 0 | 0 |
| Maine | 149 | 128 | 16.0% | 0 | 0 | 149 | 128 | 0 | 0 | 0 | 0 |
| Massachusetts | 102 | 51 | 102.0% | 5 | 0 | 97 | 51 | 0 | 0 | 0 | 0 |
| New Hampshire | 14 | 8 | 64.0% | 2 | 8 | 12 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 235 | 700 | -66.0% | 15 | 345 | 181 | 315 | 0 | 0 | 39 | 40 |
| New Jersey | 67 | 23 | 193.0% | 0 | 0 | 67 | 23 | 0 | 0 | 0 | 0 |
| New York | 25 | 431 | -94.0% | 15 | 345 | 10 | 86 | 0 | 0 | 0 | 0 |
| Pennsylvania | 143 | 246 | -42.0% | 0 | 0 | 104 | 206 | 0 | 0 | 39 | 40 |
| East North Central | 474 | 551 | -14.0% | 296 | 315 | 169 | 213 | 0 | 0 | 9 | 23 |
| Illinois | 33 | 53 | -37.0% | 2 | 2 | 31 | 51 | 0 | 0 | 0 | 0 |
| Indiana | 170 | 137 | 25.0% | 170 | 137 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 100 | 84 | 19.0% | 96 | 75 | 0 | 0 | 0 | 0 | 4 | 9 |
| Ohio | 146 | 253 | -43.0% | 10 | 84 | 131 | 155 | 0 | 0 | 5 | 15 |
| Wisconsin | 25 | 25 | 0.2% | 18 | 17 | 7 | 8 | 0 | 0 | 0 | 0 |
| West North Central | 314 | 295 | 6.5% | 314 | 295 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iowa | 63 | 71 | -11.0% | 63 | 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 76 | 54 | 41.0% | 76 | 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 16 | 21 | -22.0% | 16 | 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 90 | 93 | -2.8% | 90 | 93 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 1 | 11 | -89.0% | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 61 | 45 | 35.0% | 61 | 45 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 5 | 0 | -- | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 808 | 950 | -15.0% | 564 | 763 | 136 | 91 | 0 | 0 | 107 | 97 |
| Delaware | 20 | 3 | 633.0% | 0 | 0 | 20 | 3 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 146 | 269 | -46.0% | 126 | 248 | 0 | 0 | 0 | 0 | 20 | 21 |
| Georgia | 110 | 123 | -10.0% | 87 | 71 | 1 | 1 | 0 | 0 | 23 | 50 |
| Maryland | 104 | 75 | 39.0% | 0 | 0 | 104 | 75 | 0 | 0 | 0 | 0 |
| North Carolina | 128 | 166 | -23.0% | 98 | 155 | 0 | 0 | 0 | 0 | 30 | 12 |
| South Carolina | 69 | 62 | 11.0% | 54 | 57 | 0 | 0 | 0 | 0 | 15 | 5 |
| Virginia | 62 | 112 | -44.0% | 30 | 91 | 12 | 12 | 0 | 0 | 20 | 9 |
| West Virginia | 170 | 141 | 21.0% | 170 | 141 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 151 | 181 | -16.0% | 143 | 170 | 0 | 8 | 0 | 0 | 9 | 3 |
| Alabama | 5 | 20 | -74.0% | 5 | 12 | 0 | 8 | 0 | 0 | 0 | 0 |
| Kentucky | 83 | 84 | -1.6% | 83 | 84 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 8 | 17 | -52.0% | 8 | 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 55 | 60 | -7.4% | 47 | 56 | 0 | 0 | 0 | 0 | 9 | 3 |
| West South Central | 153 | 139 | 10.0% | 122 | 101 | 31 | 37 | 0 | 0 | 0 | 0 |
| Arkansas | 47 | 42 | 10.0% | 36 | 25 | 11 | 17 | 0 | 0 | 0 | 0 |
| Louisiana | 6 | 7 | -13.0% | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 47 | 22 | 115.0% | 47 | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 53 | 67 | -21.0% | 33 | 47 | 20 | 20 | 0 | 0 | 0 | 0 |
| Mountain | 230 | 239 | -3.6% | 219 | 222 | 11 | 17 | 0 | 0 | 0 | 0 |
| Arizona | 53 | 83 | -36.0% | 53 | 83 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 2 | 2 | -27.0% | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 8 | 13 | -38.0% | 0 | 0 | 8 | 13 | 0 | 0 | 0 | 0 |
| Nevada | 9 | 17 | -47.0% | 8 | 14 | 1 | 3 | 0 | 0 | 0 | 0 |
| New Mexico | 31 | 29 | 6.1% | 31 | 29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 65 | 57 | 13.0% | 63 | 57 | 2 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 63 | 37 | 71.0% | 63 | 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 6 | 17 | -62.0% | 0 | 6 | 6 | 10 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 6 | 17 | -62.0% | 0 | 6 | 6 | 10 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 4,451 | 5,179 | -14.0% | 3,554 | 4,148 | 897 | 1,031 | 0 | 0 | 0 | 0 |
| Alaska | 16 | 13 | 18.0% | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 4,436 | 5,165 | -14.0% | 3,539 | 4,134 | 897 | 1,031 | 0 | 0 | 0 | 0 |
| U.S. Total | 7,187 | 8,443 | -15.0% | 5,235 | 6,372 | 1,788 | 1,907 | 0 | 0 | 164 | 164 |

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W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, July 2020 and 2019
## (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | Commercial Sector | | Industrial Sector | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East North Central | 52 | 47 | 11.0% | 52 | 47 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 49 | 44 | 12.0% | 49 | 44 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 2 | 3 | -12.0% | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 19 | 2 | NM | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 2 |
| Iowa | 19 | 2 | NM | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 2 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 75 | 37 | 103.0% | 75 | 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 75 | 37 | 103.0% | 75 | 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 56 | 115 | -52.0% | 56 | 115 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 56 | 115 | -52.0% | 56 | 115 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 201 | 201 | 0.2% | 183 | 199 | 0 | 0 | 0 | 0 | 19 | 2 |

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019
## (Thousand Tons)

| Census Division and State | All Sectors | | | Electric Power Sector | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | Commercial Sector | | Industrial Sector | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maine | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Jersey | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East North Central | 250 | 176 | 42.0% | 250 | 176 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indiana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 217 | 153 | 42.0% | 217 | 153 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin | 33 | 23 | 41.0% | 33 | 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| West North Central | 19 | 2 | NM | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 2 |
| Iowa | 19 | 2 | NM | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 2 |
| Kansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 375 | 266 | 41.0% | 375 | 266 | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 375 | 266 | 41.0% | 375 | 266 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East South Central | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alabama | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West South Central | 844 | 638 | 32.0% | 844 | 638 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arkansas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana | 844 | 638 | 32.0% | 844 | 638 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 1,487 | 1,081 | 38.0% | 1,469 | 1,080 | 0 | 0 | 0 | 0 | 19 | 2 |

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, July 2020 and 2019**
**(Million Cubic Feet)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 40,995 | 37,488 | 9.4% | 569 | 284 | 40,426 | 37,204 | 0 | 0 | 0 | 0 |
| Connecticut | 16,474 | 15,024 | 9.7% | 0 | 0 | 16,474 | 15,024 | 0 | 0 | 0 | 0 |
| Maine | 1,251 | 865 | 45.0% | 0 | 0 | 1,251 | 865 | 0 | 0 | 0 | 0 |
| Massachusetts | 14,967 | 13,489 | 11.0% | 429 | 255 | 14,539 | 13,234 | 0 | 0 | 0 | 0 |
| New Hampshire | 4,506 | 4,249 | 6.0% | 140 | 30 | 4,366 | 4,220 | 0 | 0 | 0 | 0 |
| Rhode Island | 3,796 | 3,862 | -1.7% | 0 | 0 | 3,796 | 3,862 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 173,284 | 149,154 | 16.0% | 14,656 | 14,216 | 157,868 | 134,091 | 0 | 0 | 760 | 847 |
| New Jersey | 27,718 | 29,729 | -6.8% | 0 | 0 | 27,718 | 29,729 | 0 | 0 | 0 | 0 |
| New York | 52,957 | 47,486 | 12.0% | 14,656 | 14,216 | 37,708 | 32,630 | 0 | 0 | 592 | 641 |
| Pennsylvania | 92,609 | 71,939 | 29.0% | 0 | 0 | 92,442 | 71,733 | 0 | 0 | 167 | 206 |
| East North Central | 114,846 | 104,556 | 9.8% | 42,484 | 36,931 | 70,900 | 66,141 | 425 | 524 | 1,038 | 961 |
| Illinois | 18,781 | 14,518 | 29.0% | 2,196 | 1,818 | 16,580 | 12,697 | 0 | 0 | 5 | 3 |
| Indiana | 20,807 | 19,091 | 9.0% | 9,840 | 8,746 | 10,967 | 10,345 | 0 | 0 | 0 | 0 |
| Michigan | 31,629 | 26,555 | 19.0% | 13,864 | 9,694 | 16,898 | 15,976 | 425 | 524 | 442 | 361 |
| Ohio | 31,661 | 31,321 | 1.1% | 5,891 | 5,984 | 25,305 | 24,970 | 0 | 0 | 465 | 366 |
| Wisconsin | 11,969 | 13,072 | -8.4% | 10,693 | 10,688 | 1,150 | 2,153 | 0 | 0 | 126 | 231 |
| West North Central | 20,038 | 20,897 | -4.1% | 16,959 | 17,935 | 2,637 | 2,397 | 175 | 177 | 267 | 389 |
| Iowa | 6,673 | 7,520 | -11.0% | 6,406 | 7,135 | 0 | 0 | 0 | 0 | 267 | 385 |
| Kansas | 2,300 | 2,413 | -4.7% | 2,300 | 2,413 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 4,296 | 4,720 | -9.0% | 3,570 | 4,464 | 723 | 251 | 2 | 2 | 0 | 4 |
| Missouri | 6,068 | 5,562 | 9.1% | 3,982 | 3,241 | 1,914 | 2,146 | 172 | 175 | 0 | 0 |
| Nebraska | 364 | 488 | -26.0% | 364 | 488 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 338 | 194 | 75.0% | 338 | 194 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 288,010 | 272,090 | 5.9% | 235,065 | 223,083 | 49,773 | 46,023 | 0 | 0 | 3,172 | 2,984 |
| Delaware | 4,293 | 4,447 | -3.5% | 0 | 0 | 4,293 | 4,447 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 133,004 | 125,612 | 5.9% | 128,041 | 120,362 | 4,613 | 4,824 | 0 | 0 | 351 | 426 |
| Georgia | 37,485 | 35,904 | 4.4% | 28,194 | 26,358 | 8,553 | 8,885 | 0 | 0 | 738 | 661 |
| Maryland | 11,423 | 10,834 | 5.4% | 3,091 | 3,598 | 8,332 | 7,236 | 0 | 0 | 0 | 0 |
| North Carolina | 31,906 | 29,050 | 9.8% | 26,411 | 23,111 | 5,216 | 5,680 | 0 | 0 | 279 | 259 |
| South Carolina | 20,415 | 19,467 | 4.9% | 19,331 | 19,183 | 801 | 187 | 0 | 0 | 282 | 96 |
| Virginia | 46,156 | 44,371 | 4.0% | 29,611 | 30,079 | 15,625 | 13,439 | 0 | 0 | 921 | 853 |
| West Virginia | 3,328 | 2,404 | 38.0% | 386 | 392 | 2,341 | 1,324 | 0 | 0 | 601 | 689 |
| East South Central | 110,897 | 102,798 | 7.9% | 75,883 | 69,427 | 32,699 | 31,176 | 0 | 0 | 2,315 | 2,196 |
| Alabama | 44,537 | 41,694 | 6.8% | 14,222 | 15,130 | 30,315 | 26,564 | 0 | 0 | 0 | 0 |
| Kentucky | 13,627 | 10,686 | 28.0% | 11,260 | 9,680 | 2,368 | 1,006 | 0 | 0 | 0 | 0 |
| Mississippi | 38,230 | 37,384 | 2.3% | 38,214 | 33,778 | 16 | 3,605 | 0 | 0 | 0 | 0 |
| Tennessee | 14,502 | 13,034 | 11.0% | 12,187 | 10,838 | 0 | 0 | 0 | 0 | 2,315 | 2,196 |
| West South Central | 326,722 | 312,630 | 4.5% | 112,881 | 104,949 | 158,894 | 151,040 | 0 | 0 | 54,947 | 56,642 |
| Arkansas | 12,862 | 14,116 | -8.9% | 11,540 | 12,768 | 1,105 | 1,139 | 0 | 0 | 218 | 210 |
| Louisiana | 56,919 | 55,039 | 3.4% | 34,861 | 31,388 | 4,336 | 5,259 | 0 | 0 | 17,722 | 18,392 |
| Oklahoma | 40,773 | 37,450 | 8.9% | 27,407 | 22,767 | 12,784 | 14,138 | 0 | 0 | 582 | 545 |
| Texas | 216,169 | 206,025 | 4.9% | 39,075 | 38,026 | 140,669 | 130,504 | 0 | 0 | 36,425 | 37,495 |
| Mountain | 97,030 | 92,573 | 4.8% | 83,162 | 79,194 | 13,843 | 13,345 | 0 | 0 | 25 | 34 |
| Arizona | 44,057 | 40,439 | 8.9% | 35,203 | 30,465 | 8,854 | 9,973 | 0 | 0 | 0 | 0 |
| Colorado | 14,093 | 13,964 | 0.9% | 11,933 | 11,779 | 2,160 | 2,186 | 0 | 0 | 0 | 0 |
| Idaho | 1,212 | 1,383 | -12.0% | 1,212 | 1,383 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 201 | 262 | -23.0% | 201 | 262 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 20,023 | 20,014 | 0.0% | 20,023 | 20,014 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 10,134 | 9,333 | 8.6% | 7,305 | 8,147 | 2,829 | 1,186 | 0 | 0 | 0 | 0 |
| Utah | 6,658 | 6,834 | -2.6% | 6,632 | 6,800 | 0 | 0 | 0 | 0 | 25 | 34 |
| Wyoming | 654 | 343 | 90.0% | 653 | 343 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 67,446 | 69,957 | -3.6% | 24,238 | 27,377 | 40,873 | 40,646 | 0 | 0 | 2,335 | 1,934 |
| California | 56,928 | 50,622 | 12.0% | 19,298 | 17,935 | 35,295 | 30,752 | 0 | 0 | 2,335 | 1,934 |
| Oregon | 6,945 | 11,383 | -39.0% | 2,758 | 4,414 | 4,187 | 6,969 | 0 | 0 | 0 | 0 |
| Washington | 3,573 | 7,953 | -55.0% | 2,181 | 5,028 | 1,392 | 2,925 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 24 | 83 | -71.0% | 24 | 83 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 24 | 83 | -71.0% | 24 | 83 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 1,239,293 | 1,162,227 | 6.6% | 605,922 | 573,479 | 567,914 | 522,062 | 599 | 701 | 64,859 | 65,986 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019**
**(Million Cubic Feet)**

| Census Division and State | All Sectors | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 179,061 | 172,326 | 3.9% | 736 | 339 | 178,325 | 171,987 | 0 | 0 | 0 | 0 |
| Connecticut | 87,987 | 77,271 | 14.0% | 0 | 0 | 87,987 | 77,271 | 0 | 0 | 0 | 0 |
| Maine | 4,636 | 4,142 | 12.0% | 0 | 0 | 4,636 | 4,142 | 0 | 0 | 0 | 0 |
| Massachusetts | 50,694 | 60,291 | -16.0% | 573 | 293 | 50,121 | 59,998 | 0 | 0 | 0 | 0 |
| New Hampshire | 14,952 | 12,322 | 21.0% | 163 | 46 | 14,790 | 12,275 | 0 | 0 | 0 | 0 |
| Rhode Island | 20,792 | 18,300 | 14.0% | 0 | 0 | 20,792 | 18,300 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic | 778,252 | 702,040 | 11.0% | 54,148 | 52,990 | 718,055 | 643,233 | 0 | 0 | 6,050 | 5,816 |
| New Jersey | 120,129 | 153,399 | -22.0% | 0 | 0 | 120,129 | 153,399 | 0 | 0 | 0 | 0 |
| New York | 207,121 | 194,913 | 6.3% | 54,148 | 52,990 | 148,717 | 137,580 | 0 | 0 | 4,257 | 4,343 |
| Pennsylvania | 451,002 | 353,728 | 27.0% | 0 | 0 | 449,210 | 352,254 | 0 | 0 | 1,792 | 1,474 |
| East North Central | 634,579 | 564,135 | 12.0% | 225,500 | 189,223 | 397,165 | 362,431 | 3,399 | 4,096 | 8,514 | 8,385 |
| Illinois | 69,227 | 48,364 | 43.0% | 11,459 | 5,002 | 57,749 | 43,346 | 0 | 0 | 18 | 17 |
| Indiana | 122,623 | 108,250 | 13.0% | 54,963 | 45,318 | 67,661 | 62,931 | 0 | 0 | 0 | 0 |
| Michigan | 160,659 | 137,502 | 17.0% | 50,305 | 35,283 | 103,548 | 94,596 | 3,399 | 4,096 | 3,406 | 3,526 |
| Ohio | 198,961 | 193,847 | 2.6% | 33,586 | 35,497 | 161,923 | 154,932 | 0 | 0 | 3,452 | 3,418 |
| Wisconsin | 83,109 | 76,173 | 9.1% | 75,187 | 68,123 | 6,285 | 6,626 | 0 | 0 | 1,637 | 1,424 |
| West North Central | 95,151 | 103,747 | -8.3% | 78,873 | 89,393 | 12,572 | 10,557 | 1,216 | 1,217 | 2,490 | 2,579 |
| Iowa | 31,921 | 36,307 | -12.0% | 29,431 | 33,783 | 0 | 0 | 0 | 0 | 2,490 | 2,524 |
| Kansas | 9,950 | 11,072 | -10.0% | 9,950 | 11,072 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 21,959 | 25,960 | -15.0% | 20,344 | 25,359 | 1,610 | 543 | 5 | 4 | 0 | 54 |
| Missouri | 27,906 | 27,463 | 1.6% | 15,733 | 16,236 | 10,962 | 10,014 | 1,211 | 1,213 | 0 | 0 |
| Nebraska | 1,278 | 1,814 | -30.0% | 1,278 | 1,814 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 2,137 | 1,130 | 89.0% | 2,137 | 1,130 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Atlantic | 1,599,689 | 1,498,378 | 6.8% | 1,322,891 | 1,252,268 | 254,730 | 225,395 | 0 | 0 | 22,069 | 20,715 |
| Delaware | 14,814 | 14,431 | 2.7% | 0 | 0 | 14,814 | 14,431 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 759,224 | 718,434 | 5.7% | 731,214 | 694,425 | 25,714 | 21,386 | 0 | 0 | 2,296 | 2,622 |
| Georgia | 212,455 | 203,497 | 4.4% | 158,754 | 153,697 | 48,605 | 44,998 | 0 | 0 | 5,095 | 4,802 |
| Maryland | 55,564 | 58,281 | -4.7% | 13,052 | 17,927 | 42,511 | 39,203 | 0 | 0 | 0 | 1,151 |
| North Carolina | 175,924 | 169,073 | 4.1% | 143,444 | 136,607 | 30,520 | 30,980 | 0 | 0 | 1,960 | 1,486 |
| South Carolina | 108,825 | 100,418 | 8.4% | 106,155 | 97,968 | 1,370 | 1,828 | 0 | 0 | 1,301 | 622 |
| Virginia | 258,701 | 225,365 | 15.0% | 169,685 | 150,444 | 81,824 | 68,843 | 0 | 0 | 7,191 | 6,079 |
| West Virginia | 14,183 | 8,879 | 60.0% | 586 | 1,201 | 9,371 | 3,726 | 0 | 0 | 4,226 | 3,953 |
| East South Central | 564,891 | 544,198 | 3.8% | 396,984 | 363,684 | 151,508 | 164,657 | 0 | 0 | 16,399 | 15,857 |
| Alabama | 212,168 | 218,925 | -3.1% | 69,023 | 76,906 | 143,145 | 142,018 | 0 | 0 | 0 | 0 |
| Kentucky | 56,399 | 55,116 | 2.3% | 51,920 | 52,675 | 4,479 | 2,441 | 0 | 0 | 0 | 0 |
| Mississippi | 222,285 | 193,431 | 15.0% | 218,401 | 173,233 | 3,884 | 20,198 | 0 | 0 | 0 | 0 |
| Tennessee | 74,039 | 76,727 | -3.5% | 57,640 | 60,870 | 0 | 0 | 0 | 0 | 16,399 | 15,857 |
| West South Central | 1,703,979 | 1,641,310 | 3.8% | 542,689 | 493,891 | 787,331 | 767,729 | 0 | 0 | 373,959 | 379,689 |
| Arkansas | 60,857 | 72,183 | -16.0% | 51,463 | 62,747 | 7,841 | 7,831 | 0 | 0 | 1,553 | 1,604 |
| Louisiana | 322,252 | 314,695 | 2.4% | 182,237 | 163,090 | 19,487 | 23,254 | 0 | 0 | 120,528 | 128,351 |
| Oklahoma | 191,359 | 167,237 | 14.0% | 120,365 | 101,894 | 67,416 | 62,415 | 0 | 0 | 3,577 | 2,928 |
| Texas | 1,129,512 | 1,087,195 | 3.9% | 188,624 | 166,160 | 692,586 | 674,229 | 0 | 0 | 248,301 | 246,807 |
| Mountain | 479,254 | 440,492 | 8.8% | 405,848 | 375,667 | 73,157 | 64,713 | 0 | 0 | 249 | 111 |
| Arizona | 209,025 | 183,789 | 14.0% | 162,643 | 140,669 | 46,382 | 43,119 | 0 | 0 | 0 | 0 |
| Colorado | 76,582 | 69,332 | 10.0% | 66,173 | 60,023 | 10,409 | 9,310 | 0 | 0 | 0 | 0 |
| Idaho | 5,214 | 5,212 | 0.0% | 5,214 | 5,212 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montana | 1,312 | 1,486 | -12.0% | 1,312 | 1,486 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 100,778 | 94,263 | 6.9% | 100,778 | 94,263 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 51,858 | 48,861 | 6.1% | 35,502 | 36,586 | 16,356 | 12,274 | 0 | 0 | 0 | 0 |
| Utah | 32,275 | 36,110 | -11.0% | 32,026 | 35,998 | 0 | 0 | 0 | 0 | 249 | 111 |
| Wyoming | 2,209 | 1,439 | 54.0% | 2,200 | 1,429 | 9 | 10 | 0 | 0 | 0 | 0 |
| Pacific Contiguous | 354,541 | 339,382 | 4.5% | 135,035 | 125,498 | 202,437 | 198,371 | 0 | 0 | 17,068 | 15,514 |
| California | 275,364 | 252,382 | 9.1% | 95,899 | 87,091 | 162,397 | 149,776 | 0 | 0 | 17,068 | 15,514 |
| Oregon | 52,092 | 58,945 | -12.0% | 19,663 | 21,504 | 32,428 | 37,442 | 0 | 0 | 0 | 0 |
| Washington | 27,085 | 28,055 | -3.5% | 19,473 | 16,903 | 7,612 | 11,152 | 0 | 0 | 0 | 0 |
| Pacific Noncontiguous | 186 | 381 | -51.0% | 186 | 381 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska | 186 | 381 | -51.0% | 186 | 381 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U.S. Total | 6,389,583 | 6,006,388 | 6.4% | 3,162,889 | 2,943,334 | 2,775,280 | 2,609,074 | 4,615 | 5,314 | 446,799 | 448,666 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, July 2020 and 2019
## (Dollars per MMBtu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | W | W | W | -- | -- | W | W |
| Connecticut | -- | -- | -- | -- | -- | -- | -- |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.79 | 1.93 | -7.3% | -- | -- | 1.79 | 1.93 |
| New Jersey | W | W | W | -- | -- | W | W |
| New York | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania | W | W | W | -- | -- | W | W |
| East North Central | 1.88 | 2.00 | -6.0% | 1.96 | 2.12 | 1.73 | 1.81 |
| Illinois | W | W | W | 1.55 | 1.96 | W | W |
| Indiana | W | W | W | 2.04 | 2.16 | W | W |
| Michigan | W | W | W | 2.02 | 2.08 | W | W |
| Ohio | 1.78 | 1.79 | -0.6% | 1.86 | 1.77 | 1.77 | 1.79 |
| Wisconsin | 1.85 | 2.26 | -18.0% | 1.85 | 2.26 | -- | -- |
| West North Central | 1.54 | 1.62 | -4.9% | 1.54 | 1.62 | -- | -- |
| Iowa | 1.50 | 1.54 | -2.6% | 1.50 | 1.54 | -- | -- |
| Kansas | 1.57 | 1.57 | 0.0% | 1.57 | 1.57 | -- | -- |
| Minnesota | 1.89 | 2.00 | -5.5% | 1.89 | 2.00 | -- | -- |
| Missouri | 1.54 | 1.65 | -6.7% | 1.54 | 1.65 | -- | -- |
| Nebraska | 1.20 | 1.24 | -3.2% | 1.20 | 1.24 | -- | -- |
| North Dakota | 1.62 | 1.58 | 2.5% | 1.62 | 1.58 | -- | -- |
| South Dakota | 1.88 | 1.92 | -2.1% | 1.88 | 1.92 | -- | -- |
| South Atlantic | 2.35 | 2.58 | -8.9% | 2.42 | 2.60 | 1.84 | 2.43 |
| Delaware | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 2.54 | 2.82 | -9.9% | 2.54 | 2.82 | -- | -- |
| Georgia | 2.70 | 2.73 | -1.1% | 2.70 | 2.73 | -- | -- |
| Maryland | 2.73 | 2.61 | 4.6% | -- | -- | 2.73 | 2.61 |
| North Carolina | W | W | W | 2.62 | 2.68 | W | W |
| South Carolina | W | 3.16 | W | 3.33 | 3.16 | W | -- |
| Virginia | 2.34 | W | W | 2.34 | 2.64 | -- | W |
| West Virginia | W | W | W | 2.14 | 2.12 | W | W |
| East South Central | W | W | W | 1.99 | 2.06 | W | W |
| Alabama | 2.18 | 2.34 | -6.8% | 2.18 | 2.34 | -- | -- |
| Kentucky | 1.85 | 1.89 | -2.1% | 1.85 | 1.89 | -- | -- |
| Mississippi | W | W | W | 2.87 | 3.10 | W | W |
| Tennessee | 2.05 | 2.03 | 1.0% | 2.05 | 2.03 | -- | -- |
| West South Central | 1.92 | 1.85 | 3.8% | 2.23 | 2.10 | 1.57 | 1.55 |
| Arkansas | W | W | W | 1.81 | 1.86 | W | W |
| Louisiana | W | W | W | 18.23 | 3.49 | W | W |
| Oklahoma | 1.53 | W | W | 1.53 | 1.63 | -- | W |
| Texas | W | 1.70 | W | 2.08 | 2.01 | W | 1.49 |
| Mountain | W | W | W | 2.13 | 2.07 | W | W |
| Arizona | 2.18 | 2.59 | -16.0% | 2.18 | 2.59 | -- | -- |
| Colorado | 1.83 | 1.78 | 2.8% | 1.83 | 1.78 | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | 2.14 | 1.92 | W | W |
| Nevada | W | W | W | 2.26 | 2.86 | W | W |
| New Mexico | 2.61 | 2.49 | 4.8% | 2.61 | 2.49 | -- | -- |
| Utah | 2.05 | 1.99 | 3.0% | 2.05 | 1.99 | -- | -- |
| Wyoming | W | W | W | 2.02 | 1.67 | W | W |
| Pacific Contiguous | W | W | W | -- | 2.43 | W | W |
| California | -- | -- | -- | -- | -- | -- | -- |
| Oregon | -- | 2.43 | -- | -- | 2.43 | -- | -- |
| Washington | W | W | W | -- | -- | W | W |
| Pacific Noncontiguous | W | 3.55 | W | 3.25 | 3.55 | W | -- |
| Alaska | 3.25 | 3.55 | -8.5% | 3.25 | 3.55 | -- | -- |
| Hawaii | W | -- | W | -- | -- | W | -- |
| U.S. Total | 1.93 | 2.02 | -4.5% | 1.98 | 2.09 | 1.73 | 1.79 |

Displayed values of zero may represent small values that round to zero.
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Notes:
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See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019
## (Dollars per MMBtu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | W | W | W | 3.12 | 3.54 | W | W |
| Connecticut | -- | -- | -- | -- | -- | -- | -- |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | 3.12 | 3.54 | -12.0% | 3.12 | 3.54 | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.84 | 1.97 | -6.6% | 2.99 | -- | 1.83 | 1.97 |
| New Jersey | W | W | W | -- | -- | W | W |
| New York | -- | W | W | -- | -- | -- | W |
| Pennsylvania | W | 1.91 | W | 2.99 | -- | W | 1.91 |
| East North Central | 1.90 | 1.99 | -4.5% | 2.02 | 2.12 | 1.74 | 1.81 |
| Illinois | W | W | W | 1.61 | 1.97 | W | W |
| Indiana | W | W | W | 2.09 | 2.15 | W | W |
| Michigan | W | W | W | 2.04 | 2.08 | W | W |
| Ohio | 1.78 | 1.81 | -1.7% | 1.87 | 1.83 | 1.77 | 1.80 |
| Wisconsin | 2.01 | 2.25 | -11.0% | 2.01 | 2.25 | -- | -- |
| West North Central | 1.56 | 1.63 | -4.3% | 1.56 | 1.63 | -- | -- |
| Iowa | 1.51 | 1.55 | -2.6% | 1.51 | 1.55 | -- | -- |
| Kansas | 1.61 | 1.63 | -1.2% | 1.61 | 1.63 | -- | -- |
| Minnesota | 1.96 | 2.03 | -3.4% | 1.96 | 2.03 | -- | -- |
| Missouri | 1.56 | 1.68 | -7.1% | 1.56 | 1.68 | -- | -- |
| Nebraska | 1.23 | 1.22 | 0.8% | 1.23 | 1.22 | -- | -- |
| North Dakota | 1.64 | 1.60 | 2.5% | 1.64 | 1.60 | -- | -- |
| South Dakota | 1.89 | 1.83 | 3.3% | 1.89 | 1.83 | -- | -- |
| South Atlantic | 2.43 | 2.62 | -7.3% | 2.48 | 2.64 | 1.98 | 2.36 |
| Delaware | -- | W | W | -- | -- | -- | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 2.55 | 2.89 | -12.0% | 2.55 | 2.89 | -- | -- |
| Georgia | 2.73 | 2.73 | 0.0% | 2.73 | 2.73 | -- | -- |
| Maryland | W | 2.69 | W | -- | -- | W | 2.69 |
| North Carolina | W | W | W | 2.59 | 2.93 | W | W |
| South Carolina | W | 3.25 | W | 3.17 | 3.25 | W | -- |
| Virginia | 2.48 | W | W | 2.48 | 2.75 | -- | W |
| West Virginia | W | W | W | 2.14 | 2.11 | W | W |
| East South Central | W | W | W | 1.96 | 2.09 | W | W |
| Alabama | 2.07 | 2.37 | -13.0% | 2.07 | 2.37 | -- | -- |
| Kentucky | 1.89 | 1.93 | -2.1% | 1.89 | 1.93 | -- | -- |
| Mississippi | W | W | W | 2.88 | 3.14 | W | W |
| Tennessee | 1.94 | 2.18 | -11.0% | 1.94 | 2.18 | -- | -- |
| West South Central | 1.82 | 1.90 | -4.2% | 2.07 | 2.14 | 1.61 | 1.61 |
| Arkansas | W | W | W | 1.87 | 2.01 | W | W |
| Louisiana | W | W | W | 3.82 | 3.29 | W | W |
| Oklahoma | W | W | W | 1.55 | 1.75 | W | W |
| Texas | W | 1.77 | W | 1.98 | 2.06 | W | 1.56 |
| Mountain | W | W | W | 1.96 | 2.12 | W | W |
| Arizona | 2.17 | 2.65 | -18.0% | 2.17 | 2.65 | -- | -- |
| Colorado | 1.71 | 1.79 | -4.5% | 1.71 | 1.79 | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | 2.24 | 1.98 | W | W |
| Nevada | W | W | W | 2.40 | 2.82 | W | W |
| New Mexico | 2.53 | 2.48 | 2.0% | 2.53 | 2.48 | -- | -- |
| Utah | 2.06 | 1.98 | 4.0% | 2.06 | 1.98 | -- | -- |
| Wyoming | W | W | W | 1.70 | 1.80 | W | W |
| Pacific Contiguous | W | W | W | 2.18 | 2.23 | W | W |
| California | -- | -- | -- | -- | -- | -- | -- |
| Oregon | 2.18 | 2.23 | -2.2% | 2.18 | 2.23 | -- | -- |
| Washington | W | W | W | -- | -- | W | W |
| Pacific Noncontiguous | W | W | W | 3.63 | 3.45 | W | W |
| Alaska | 3.63 | 3.45 | 5.2% | 3.63 | 3.45 | -- | -- |
| Hawaii | W | W | W | -- | -- | W | W |
| U.S. Total | 1.91 | 2.06 | -7.3% | 1.96 | 2.13 | 1.75 | 1.83 |

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, July 2020 and 2019**
**(Dollars per MMBtu)**

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | W | W | W | -- | -- | W | W |
| Connecticut | -- | W | W | -- | -- | -- | W |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | W | -- | W | -- | -- | W | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 9.58 | 14.51 | -34.0% | -- | -- | 9.58 | 14.51 |
| New Jersey | -- | W | W | -- | -- | -- | W |
| New York | W | W | W | -- | -- | W | W |
| Pennsylvania | W | 14.73 | W | -- | -- | W | 14.73 |
| East North Central | 9.87 | 14.68 | -33.0% | 9.76 | 14.26 | 10.02 | 15.57 |
| Illinois | W | W | W | 9.79 | -- | W | W |
| Indiana | 10.28 | 14.42 | -29.0% | 10.28 | 14.42 | -- | -- |
| Michigan | 9.28 | 13.87 | -33.0% | 9.28 | 13.87 | -- | -- |
| Ohio | W | W | W | 10.31 | 14.67 | W | W |
| Wisconsin | 9.76 | 14.58 | -33.0% | 9.76 | 14.58 | -- | -- |
| West North Central | 9.60 | 14.67 | -35.0% | 9.60 | 14.67 | -- | -- |
| Iowa | 9.46 | 14.29 | -34.0% | 9.46 | 14.29 | -- | -- |
| Kansas | 9.77 | 14.75 | -34.0% | 9.77 | 14.75 | -- | -- |
| Minnesota | 9.58 | 18.92 | -49.0% | 9.58 | 18.92 | -- | -- |
| Missouri | 9.72 | 14.32 | -32.0% | 9.72 | 14.32 | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | 9.76 | 14.81 | -34.0% | 9.76 | 14.81 | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 12.26 | 15.05 | -19.0% | 12.75 | 15.06 | 9.84 | 14.88 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 10.04 | 15.10 | -34.0% | 10.04 | 15.10 | -- | -- |
| Georgia | 9.86 | 15.23 | -35.0% | 9.86 | 15.23 | -- | -- |
| Maryland | W | W | W | -- | -- | W | W |
| North Carolina | 9.56 | 14.51 | -34.0% | 9.56 | 14.51 | -- | -- |
| South Carolina | 10.03 | 14.77 | -32.0% | 10.03 | 14.77 | -- | -- |
| Virginia | W | W | W | 14.57 | 15.14 | W | W |
| West Virginia | 14.41 | 15.35 | -6.1% | 14.41 | 15.35 | -- | -- |
| East South Central | 9.62 | 14.16 | -32.0% | 9.62 | 14.16 | -- | -- |
| Alabama | 10.06 | 15.14 | -34.0% | 10.06 | 15.14 | -- | -- |
| Kentucky | 10.11 | 14.14 | -29.0% | 10.11 | 14.14 | -- | -- |
| Mississippi | 10.66 | 14.10 | -24.0% | 10.66 | 14.10 | -- | -- |
| Tennessee | 9.24 | 13.90 | -34.0% | 9.24 | 13.90 | -- | -- |
| West South Central | W | W | W | 9.60 | 14.93 | W | W |
| Arkansas | 9.62 | W | W | 9.62 | 26.89 | -- | W |
| Louisiana | -- | 14.05 | -- | -- | 14.05 | -- | -- |
| Oklahoma | -- | 15.63 | -- | -- | 15.63 | -- | -- |
| Texas | W | W | W | 9.52 | 14.69 | W | W |
| Mountain | W | W | W | 10.98 | 16.39 | W | W |
| Arizona | 11.47 | 16.91 | -32.0% | 11.47 | 16.91 | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | -- | W | -- | -- | W | -- |
| Nevada | W | W | W | 11.43 | 17.44 | W | W |
| New Mexico | 12.28 | 19.28 | -36.0% | 12.28 | 19.28 | -- | -- |
| Utah | 10.37 | 14.31 | -28.0% | 10.37 | 14.31 | -- | -- |
| Wyoming | 10.43 | 14.88 | -30.0% | 10.43 | 14.88 | -- | -- |
| Pacific Contiguous | W | W | W | -- | -- | W | W |
| California | -- | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- |
| Washington | W | W | W | -- | -- | W | W |
| Pacific Noncontiguous | W | W | W | 6.65 | 12.67 | W | W |
| Alaska | 10.44 | 15.64 | -33.0% | 10.44 | 15.64 | -- | -- |
| Hawaii | W | W | W | 6.65 | 12.65 | W | W |
| U.S. Total | 8.12 | 13.81 | -41.0% | 7.80 | 13.28 | 9.42 | 15.49 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019**
**(Dollars per MMBtu)**

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | W | 10.36 | W | 10.22 | 17.48 | W | 10.06 |
| Connecticut | W | W | W | -- | -- | W | W |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | W | W | W | 7.37 | -- | W | W |
| New Hampshire | W | 17.48 | W | 17.38 | 17.48 | W | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | W | 12.96 | W | 5.22 | 12.15 | W | 13.87 |
| New Jersey | W | W | W | -- | -- | W | W |
| New York | 7.62 | 12.70 | -40.0% | 5.22 | 12.15 | 11.14 | 14.94 |
| Pennsylvania | 8.97 | W | W | -- | -- | 8.97 | W |
| East North Central | 10.31 | W | W | 10.05 | 14.77 | 10.75 | W |
| Illinois | W | 16.73 | W | 10.99 | 15.63 | W | 16.78 |
| Indiana | 10.32 | 14.78 | -30.0% | 10.32 | 14.78 | -- | -- |
| Michigan | 9.72 | 13.86 | -30.0% | 9.72 | 13.86 | -- | -- |
| Ohio | 10.54 | W | W | 10.37 | 15.56 | 10.55 | W |
| Wisconsin | W | W | W | 9.06 | 14.77 | W | W |
| West North Central | 9.63 | 14.71 | -35.0% | 9.63 | 14.71 | -- | -- |
| Iowa | 9.51 | 14.65 | -35.0% | 9.51 | 14.65 | -- | -- |
| Kansas | 9.87 | 15.04 | -34.0% | 9.87 | 15.04 | -- | -- |
| Minnesota | 9.59 | 15.47 | -38.0% | 9.59 | 15.47 | -- | -- |
| Missouri | 8.86 | 14.53 | -39.0% | 8.86 | 14.53 | -- | -- |
| Nebraska | 11.52 | 14.91 | -23.0% | 11.52 | 14.91 | -- | -- |
| North Dakota | 10.64 | 14.36 | -26.0% | 10.64 | 14.36 | -- | -- |
| South Dakota | 8.82 | -- | -- | 8.82 | -- | -- | -- |
| South Atlantic | 10.70 | 15.02 | -29.0% | 11.24 | 15.12 | 8.24 | 14.11 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 8.92 | 15.67 | -43.0% | 8.92 | 15.67 | -- | -- |
| Georgia | W | W | W | 11.17 | 14.86 | W | W |
| Maryland | 8.03 | 14.33 | -44.0% | -- | -- | 8.03 | 14.33 |
| North Carolina | 10.95 | 14.72 | -26.0% | 10.95 | 14.72 | -- | -- |
| South Carolina | W | 15.23 | W | 11.63 | 15.23 | W | -- |
| Virginia | W | W | W | 14.54 | 14.05 | W | W |
| West Virginia | 12.46 | 15.39 | -19.0% | 12.46 | 15.39 | -- | -- |
| East South Central | 10.33 | W | W | 10.33 | 14.54 | -- | W |
| Alabama | 9.55 | W | W | 9.55 | 15.12 | -- | W |
| Kentucky | 10.34 | 14.60 | -29.0% | 10.34 | 14.60 | -- | -- |
| Mississippi | 10.22 | 14.40 | -29.0% | 10.22 | 14.40 | -- | -- |
| Tennessee | 10.40 | 14.37 | -28.0% | 10.40 | 14.37 | -- | -- |
| West South Central | 9.49 | W | W | 9.36 | 14.82 | 10.03 | W |
| Arkansas | W | W | W | 9.70 | 15.04 | W | W |
| Louisiana | 10.82 | 14.64 | -26.0% | 10.82 | 14.64 | -- | -- |
| Oklahoma | 7.74 | 15.56 | -50.0% | 7.74 | 15.56 | -- | -- |
| Texas | W | W | W | 11.04 | 14.39 | W | W |
| Mountain | 13.01 | W | W | 13.04 | 16.81 | 12.40 | W |
| Arizona | 13.44 | 16.89 | -20.0% | 13.44 | 16.89 | -- | -- |
| Colorado | 12.13 | 17.36 | -30.0% | 12.13 | 17.36 | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | -- | -- | W | W |
| Nevada | W | W | W | 14.65 | 15.77 | W | W |
| New Mexico | 12.97 | 18.53 | -30.0% | 12.97 | 18.53 | -- | -- |
| Utah | W | 16.71 | W | 12.94 | 16.71 | W | -- |
| Wyoming | 12.65 | 15.82 | -20.0% | 12.65 | 15.82 | -- | -- |
| Pacific Contiguous | W | W | W | -- | 16.52 | W | W |
| California | -- | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- |
| Washington | W | W | W | -- | 16.52 | W | W |
| Pacific Noncontiguous | W | W | W | 9.29 | 13.05 | W | W |
| Alaska | 11.92 | 15.58 | -23.0% | 11.92 | 15.58 | -- | -- |
| Hawaii | W | W | W | 9.28 | 13.05 | W | W |
| U.S. Total | 9.60 | 13.77 | -30.0% | 9.72 | 13.59 | 9.21 | 14.37 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
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See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, July 2020 and 2019**
**(Dollars per MMBtu)**

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | -- | -- | -- | -- | -- | -- | -- |
| New Jersey | -- | -- | -- | -- | -- | -- | -- |
| New York | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania | -- | -- | -- | -- | -- | -- | -- |
| East North Central | 1.08 | 1.55 | -30.0% | 1.08 | 1.55 | -- | -- |
| Illinois | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 1.04 | 1.53 | -32.0% | 1.04 | 1.53 | -- | -- |
| Ohio | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin | 1.94 | 1.83 | 6.0% | 1.94 | 1.83 | -- | -- |
| West North Central | -- | -- | -- | -- | -- | -- | -- |
| Iowa | -- | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | -- | -- | -- | -- | -- | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1.99 | 2.71 | -27.0% | 1.99 | 2.71 | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1.99 | 2.71 | -27.0% | 1.99 | 2.71 | -- | -- |
| Georgia | -- | -- | -- | -- | -- | -- | -- |
| Maryland | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- |
| East South Central | -- | -- | -- | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | -- | -- | -- | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 1.58 | 1.97 | -20.0% | 1.58 | 1.97 | -- | -- |
| Arkansas | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 1.58 | 1.97 | -20.0% | 1.58 | 1.97 | -- | -- |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- |
| Texas | -- | -- | -- | -- | -- | -- | -- |
| Mountain | -- | -- | -- | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | -- | -- | -- | -- | -- | -- | -- |
| California | -- | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 1.62 | 2.01 | -19.0% | 1.62 | 2.01 | -- | -- |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019**
**(Dollars per MMBtu)**

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | -- | -- | -- | -- | -- | -- | -- |
| New Jersey | -- | -- | -- | -- | -- | -- | -- |
| New York | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania | -- | -- | -- | -- | -- | -- | -- |
| East North Central | 1.26 | 1.58 | -20.0% | 1.26 | 1.58 | -- | -- |
| Illinois | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 1.17 | 1.54 | -24.0% | 1.17 | 1.54 | -- | -- |
| Ohio | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin | 1.88 | 1.88 | 0.0% | 1.88 | 1.88 | -- | -- |
| West North Central | -- | -- | -- | -- | -- | -- | -- |
| Iowa | -- | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | -- | -- | -- | -- | -- | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1.92 | 2.75 | -30.0% | 1.92 | 2.75 | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1.92 | 2.75 | -30.0% | 1.92 | 2.75 | -- | -- |
| Georgia | -- | -- | -- | -- | -- | -- | -- |
| Maryland | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- |
| East South Central | -- | -- | -- | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | -- | -- | -- | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 1.37 | 2.20 | -38.0% | 1.37 | 2.20 | -- | -- |
| Arkansas | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 1.37 | 2.20 | -38.0% | 1.37 | 2.20 | -- | -- |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- |
| Texas | -- | -- | -- | -- | -- | -- | -- |
| Mountain | -- | -- | -- | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | -- | -- | -- | -- | -- | -- | -- |
| California | -- | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 1.49 | 2.24 | -33.0% | 1.49 | 2.24 | -- | -- |

Displayed values of zero may represent small values that round to zero.
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Notes:
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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, July 2020 and 2019**
**(Dollars per MMBtu)**

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | Percentage Change | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | W | W | W | 2.08 | 2.63 | W | W |
| Connecticut | 1.76 | 2.40 | -27.0% | -- | -- | 1.76 | 2.40 |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | 2.80 | 3.20 | -13.0% | 1.86 | 2.47 | 2.84 | 3.22 |
| New Hampshire | W | W | W | 2.77 | 4.07 | W | W |
| Rhode Island | W | W | W | -- | -- | W | W |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.66 | 2.29 | -28.0% | 1.80 | 2.35 | 1.64 | 2.28 |
| New Jersey | 1.66 | 2.50 | -34.0% | -- | -- | 1.66 | 2.50 |
| New York | 1.77 | 2.32 | -24.0% | 1.80 | 2.35 | 1.76 | 2.30 |
| Pennsylvania | 1.59 | 2.18 | -27.0% | -- | -- | 1.59 | 2.18 |
| East North Central | 1.85 | 2.34 | -21.0% | 2.00 | 2.46 | 1.76 | 2.27 |
| Illinois | 1.86 | W | W | 1.90 | 2.32 | 1.85 | W |
| Indiana | W | 2.35 | W | 1.96 | 2.45 | W | 2.27 |
| Michigan | 1.90 | 2.42 | -21.0% | 2.02 | 2.56 | 1.81 | 2.34 |
| Ohio | 1.65 | 2.19 | -25.0% | 1.72 | 2.28 | 1.64 | 2.17 |
| Wisconsin | W | W | W | 2.18 | 2.52 | W | W |
| West North Central | W | W | W | 2.01 | 2.26 | W | W |
| Iowa | 1.72 | 2.07 | -17.0% | 1.72 | 2.07 | -- | -- |
| Kansas | 2.49 | 2.44 | 2.0% | 2.49 | 2.44 | -- | -- |
| Minnesota | W | W | W | 2.34 | 2.46 | W | W |
| Missouri | W | W | W | 1.84 | 2.18 | W | W |
| Nebraska | 2.32 | 2.61 | -11.0% | 2.32 | 2.61 | -- | -- |
| North Dakota | 2.57 | 3.40 | -24.0% | 2.57 | 3.40 | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 2.37 | 3.06 | -23.0% | 2.46 | 3.14 | 1.79 | 2.53 |
| Delaware | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | W | W | W | 2.60 | 3.39 | W | W |
| Georgia | W | W | W | 1.98 | 2.62 | W | W |
| Maryland | 2.08 | 2.61 | -20.0% | 2.17 | 2.52 | 2.05 | 2.66 |
| North Carolina | W | W | W | 2.77 | 3.38 | W | W |
| South Carolina | 2.37 | 2.88 | -18.0% | 2.37 | 2.88 | -- | -- |
| Virginia | 1.94 | 2.60 | -25.0% | 2.13 | 2.68 | 1.45 | 2.33 |
| West Virginia | W | W | W | 1.82 | 2.23 | W | W |
| East South Central | 2.01 | 2.57 | -22.0% | 2.06 | 2.60 | 1.86 | 2.47 |
| Alabama | W | W | W | 2.05 | 2.62 | W | W |
| Kentucky | W | W | W | 2.33 | 2.88 | W | W |
| Mississippi | W | W | W | 1.98 | 2.49 | W | W |
| Tennessee | 2.05 | 2.63 | -22.0% | 2.05 | 2.63 | -- | -- |
| West South Central | 1.92 | 2.22 | -14.0% | 1.94 | 2.19 | 1.89 | 2.25 |
| Arkansas | W | W | W | 1.82 | 2.31 | W | W |
| Louisiana | W | W | W | 1.97 | 2.48 | W | W |
| Oklahoma | W | W | W | 2.13 | 2.14 | W | W |
| Texas | 1.87 | 2.16 | -13.0% | 1.83 | 1.94 | 1.89 | 2.24 |
| Mountain | 2.11 | 2.13 | -0.9% | 2.10 | 2.04 | 2.21 | 2.81 |
| Arizona | W | W | W | 2.15 | 1.85 | W | W |
| Colorado | W | W | W | 2.41 | 2.54 | W | W |
| Idaho | 1.91 | 2.22 | -14.0% | 1.91 | 2.22 | -- | -- |
| Montana | 1.58 | 1.13 | 40.0% | 1.58 | 1.13 | -- | -- |
| Nevada | 2.10 | 2.42 | -13.0% | 2.10 | 2.42 | -- | -- |
| New Mexico | 1.62 | 0.82 | 98.0% | 1.62 | 0.82 | -- | -- |
| Utah | 1.88 | 2.22 | -15.0% | 1.88 | 2.22 | -- | -- |
| Wyoming | W | 2.04 | W | 1.98 | 2.04 | W | -- |
| Pacific Contiguous | 2.40 | 2.91 | -18.0% | 2.56 | 3.04 | 2.26 | 2.80 |
| California | 2.45 | 3.27 | -25.0% | 2.75 | 3.60 | 2.22 | 3.01 |
| Oregon | W | W | W | 1.62 | 1.61 | W | W |
| Washington | W | W | W | 2.35 | 2.59 | W | W |
| Pacific Noncontiguous | 7.86 | 7.87 | -0.1% | 7.86 | 7.87 | -- | -- |
| Alaska | 7.86 | 7.87 | -0.1% | 7.86 | 7.87 | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 2.04 | 2.53 | -19.0% | 2.21 | 2.65 | 1.83 | 2.37 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2020 and 2019**
**(Dollars per MMBtu)**

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|---|---|---|---|---|---|---|
| | July 2020 YTD | July 2019 YTD | Percentage Change | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | W | W | W | 2.04 | 3.31 | W | W |
| Connecticut | 2.27 | 3.63 | -37.0% | -- | -- | 2.27 | 3.63 |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | 3.78 | 5.18 | -27.0% | 1.79 | 2.89 | 3.81 | 5.19 |
| New Hampshire | W | W | W | 2.91 | 5.96 | W | W |
| Rhode Island | W | W | W | -- | -- | W | W |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.80 | 2.90 | -38.0% | 2.36 | 3.57 | 1.75 | 2.83 |
| New Jersey | 1.89 | 3.08 | -39.0% | -- | -- | 1.89 | 3.08 |
| New York | 2.04 | 3.29 | -38.0% | 2.36 | 3.57 | 1.91 | 3.16 |
| Pennsylvania | 1.65 | 2.62 | -37.0% | -- | -- | 1.65 | 2.62 |
| East North Central | 1.87 | 2.73 | -32.0% | 2.03 | 2.89 | 1.79 | 2.65 |
| Illinois | W | W | W | 1.88 | 2.72 | W | W |
| Indiana | 1.91 | 2.77 | -31.0% | 2.02 | 2.91 | 1.82 | 2.67 |
| Michigan | 1.92 | 2.77 | -31.0% | 2.05 | 2.90 | 1.86 | 2.72 |
| Ohio | 1.72 | 2.60 | -34.0% | 1.73 | 2.73 | 1.72 | 2.57 |
| Wisconsin | W | W | W | 2.18 | 2.97 | W | W |
| West North Central | W | W | W | 2.09 | 2.79 | W | W |
| Iowa | 1.79 | 2.55 | -30.0% | 1.79 | 2.55 | -- | -- |
| Kansas | 2.44 | 2.99 | -18.0% | 2.44 | 2.99 | -- | -- |
| Minnesota | W | W | W | 2.38 | 3.15 | W | W |
| Missouri | W | W | W | 1.90 | 2.54 | W | W |
| Nebraska | 3.42 | 2.98 | 15.0% | 3.42 | 2.98 | -- | -- |
| North Dakota | 2.48 | 3.93 | -37.0% | 2.48 | 3.93 | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 2.72 | 3.63 | -25.0% | 2.84 | 3.73 | 1.94 | 2.95 |
| Delaware | W | -- | W | -- | -- | W | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | W | W | W | 2.97 | 3.90 | W | W |
| Georgia | W | W | W | 2.18 | 3.12 | W | W |
| Maryland | 2.23 | 3.27 | -32.0% | 2.40 | 3.57 | 2.17 | 3.14 |
| North Carolina | W | W | W | 3.26 | 3.92 | W | W |
| South Carolina | 2.57 | 3.28 | -22.0% | 2.57 | 3.28 | -- | -- |
| Virginia | 2.46 | 3.47 | -29.0% | 2.74 | 3.68 | 1.64 | 2.77 |
| West Virginia | W | W | W | 1.82 | 2.64 | W | W |
| East South Central | 2.20 | 2.98 | -26.0% | 2.25 | 3.02 | 2.03 | 2.86 |
| Alabama | W | W | W | 2.25 | 3.00 | W | W |
| Kentucky | W | W | W | 2.81 | 3.48 | W | W |
| Mississippi | W | W | W | 2.11 | 2.90 | W | W |
| Tennessee | 2.30 | 2.99 | -23.0% | 2.30 | 2.99 | -- | -- |
| West South Central | 1.87 | 2.56 | -27.0% | 1.91 | 2.56 | 1.84 | 2.57 |
| Arkansas | W | W | W | 1.90 | 2.69 | W | W |
| Louisiana | W | W | W | 2.01 | 2.81 | W | W |
| Oklahoma | W | W | W | 1.99 | 2.60 | W | W |
| Texas | 1.82 | 2.50 | -27.0% | 1.75 | 2.23 | 1.85 | 2.58 |
| Mountain | 2.21 | 2.67 | -17.0% | 2.19 | 2.63 | 2.42 | 3.02 |
| Arizona | W | W | W | 2.06 | 2.00 | W | W |
| Colorado | W | W | W | 2.60 | 3.19 | W | W |
| Idaho | 2.27 | 5.58 | -59.0% | 2.27 | 5.58 | -- | -- |
| Montana | 1.52 | 1.71 | -11.0% | 1.52 | 1.71 | -- | -- |
| Nevada | 2.41 | 3.28 | -27.0% | 2.41 | 3.28 | -- | -- |
| New Mexico | 1.32 | 1.04 | 27.0% | 1.32 | 1.04 | -- | -- |
| Utah | 2.27 | 3.33 | -32.0% | 2.27 | 3.33 | -- | -- |
| Wyoming | W | W | W | 1.87 | 2.66 | W | W |
| Pacific Contiguous | 2.57 | 3.98 | -35.0% | 2.72 | 4.17 | 2.42 | 3.81 |
| California | W | 4.17 | W | 2.92 | 4.61 | W | 3.82 |
| Oregon | W | W | W | 1.90 | 2.70 | W | W |
| Washington | W | W | W | 2.72 | 4.05 | W | W |
| Pacific Noncontiguous | 7.86 | 7.80 | 0.8% | 7.86 | 7.80 | -- | -- |
| Alaska | 7.86 | 7.80 | 0.8% | 7.86 | 7.80 | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 2.22 | 3.09 | -28.0% | 2.43 | 3.24 | 1.92 | 2.88 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, July 2020

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight |
| New England | 3 | 0.58 | 6.7 | 0 | -- | -- | 0 | -- | -- |
| Connecticut | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maine | 3 | 0.58 | 6.7 | 0 | -- | -- | 0 | -- | -- |
| Massachusetts | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Hampshire | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Rhode Island | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Vermont | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Middle Atlantic | 720 | 2.73 | 10.2 | 0 | -- | -- | 0 | -- | -- |
| New Jersey | 51 | 1.78 | 7.9 | 0 | -- | -- | 0 | -- | -- |
| New York | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pennsylvania | 670 | 2.80 | 10.4 | 0 | -- | -- | 0 | -- | -- |
| East North Central | 4,311 | 3.21 | 10.6 | 3,620 | 0.23 | 4.6 | 0 | -- | -- |
| Illinois | 753 | 3.53 | 21.0 | 816 | 0.20 | 4.6 | 0 | -- | -- |
| Indiana | 1,912 | 2.97 | 9.1 | 125 | 0.25 | 4.5 | 0 | -- | -- |
| Michigan | 213 | 2.27 | 7.7 | 1,331 | 0.26 | 4.7 | 0 | -- | -- |
| Ohio | 1,387 | 3.55 | 8.9 | 16 | 0.27 | 4.4 | 0 | -- | -- |
| Wisconsin | 47 | 2.48 | 7.9 | 1,334 | 0.22 | 4.6 | 0 | -- | -- |
| West North Central | 83 | 2.91 | 9.3 | 6,474 | 0.26 | 4.9 | 1,985 | 0.76 | 9.9 |
| Iowa | 16 | 2.70 | 9.5 | 1,010 | 0.22 | 4.7 | 0 | -- | -- |
| Kansas | 10 | 2.87 | 11.8 | 1,267 | 0.30 | 5.0 | 0 | -- | -- |
| Minnesota | 0 | -- | -- | 597 | 0.33 | 6.0 | 0 | -- | -- |
| Missouri | 57 | 2.97 | 8.7 | 2,383 | 0.23 | 4.7 | 0 | -- | -- |
| Nebraska | 0 | -- | -- | 1,190 | 0.25 | 4.8 | 0 | -- | -- |
| North Dakota | 0 | -- | -- | 0 | -- | -- | 1,985 | 0.76 | 9.9 |
| South Dakota | 0 | -- | -- | 28 | 0.32 | 5.3 | 0 | -- | -- |
| South Atlantic | 3,829 | 2.51 | 10.0 | 207 | 0.32 | 5.1 | 0 | -- | -- |
| Delaware | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| District of Columbia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Florida | 528 | 2.48 | 8.5 | 0 | -- | -- | 0 | -- | -- |
| Georgia | 147 | 2.58 | 8.6 | 207 | 0.32 | 5.1 | 0 | -- | -- |
| Maryland | 98 | 2.59 | 10.9 | 0 | -- | -- | 0 | -- | -- |
| North Carolina | 644 | 1.61 | 9.6 | 0 | -- | -- | 0 | -- | -- |
| South Carolina | 258 | 1.27 | 9.2 | 0 | -- | -- | 0 | -- | -- |
| Virginia | 171 | 1.15 | 24.0 | 0 | -- | -- | 0 | -- | -- |
| West Virginia | 1,984 | 3.04 | 9.7 | 0 | -- | -- | 0 | -- | -- |
| East South Central | 2,115 | 2.71 | 9.4 | 1,312 | 0.27 | 5.2 | 245 | 0.47 | 13.4 |
| Alabama | 217 | 0.96 | 11.4 | 832 | 0.28 | 5.3 | 0 | -- | -- |
| Kentucky | 1,572 | 3.01 | 9.3 | 371 | 0.25 | 5.1 | 0 | -- | -- |
| Mississippi | 24 | 0.46 | 7.4 | 80 | 0.32 | 4.9 | 245 | 0.47 | 13.4 |
| Tennessee | 302 | 2.50 | 8.4 | 29 | 0.23 | 5.6 | 0 | -- | -- |
| West South Central | 18 | 1.96 | 13.3 | 4,529 | 0.28 | 5.0 | 1,818 | 0.98 | 17.3 |
| Arkansas | 5 | 0.44 | 9.6 | 927 | 0.22 | 4.6 | 0 | -- | -- |
| Louisiana | 10 | 3.00 | 8.8 | 181 | 0.26 | 4.6 | 36 | 0.54 | 14.9 |
| Oklahoma | 4 | 0.44 | 61.6 | 465 | 0.20 | 4.6 | 0 | -- | -- |
| Texas | 0 | -- | -- | 2,956 | 0.32 | 5.2 | 1,782 | 0.99 | 17.3 |
| Mountain | 1,425 | 0.58 | 14.2 | 4,022 | 0.55 | 9.7 | 19 | 0.64 | 8.4 |
| Arizona | 0 | -- | -- | 876 | 0.60 | 10.0 | 0 | -- | -- |
| Colorado | 81 | 0.46 | 10.7 | 506 | 0.40 | 6.4 | 0 | -- | -- |
| Idaho | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Montana | 0 | -- | -- | 448 | 0.72 | 9.2 | 19 | 0.64 | 8.4 |
| Nevada | 61 | 0.39 | 11.6 | 45 | 0.26 | 4.8 | 0 | -- | -- |
| New Mexico | 292 | 0.91 | 24.8 | 505 | 0.70 | 21.1 | 0 | -- | -- |
| Utah | 990 | 0.51 | 12.0 | 62 | 0.96 | 8.2 | 0 | -- | -- |
| Wyoming | 0 | -- | -- | 1,580 | 0.48 | 7.3 | 0 | -- | -- |
| Pacific Contiguous | 55 | 0.40 | 8.2 | 192 | 0.39 | 9.0 | 0 | -- | -- |
| California | 55 | 0.40 | 8.2 | 0 | -- | -- | 0 | -- | -- |
| Oregon | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Washington | 0 | -- | -- | 192 | 0.39 | 9.0 | 0 | -- | -- |
| Pacific Noncontiguous | 0 | -- | -- | 62 | 0.15 | 4.2 | 8 | 0.17 | 10.7 |
| Alaska | 0 | -- | -- | 0 | -- | -- | 8 | 0.17 | 10.7 |
| Hawaii | 0 | -- | -- | 62 | 0.15 | 4.2 | 0 | -- | -- |
| U.S. Total | 12,561 | 2.58 | 10.5 | 20,418 | 0.32 | 5.9 | 4,075 | 0.84 | 13.4 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, July 2020

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight |
| New England | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Connecticut | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maine | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Massachusetts | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Hampshire | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Rhode Island | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Vermont | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Middle Atlantic | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Jersey | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New York | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pennsylvania | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| East North Central | 2,243 | 2.93 | 9.0 | 2,911 | 0.24 | 4.6 | 0 | -- | -- |
| Illinois | 103 | 2.98 | 9.9 | 122 | 0.20 | 4.6 | 0 | -- | -- |
| Indiana | 1,712 | 2.94 | 9.1 | 125 | 0.25 | 4.5 | 0 | -- | -- |
| Michigan | 186 | 2.40 | 7.7 | 1,331 | 0.26 | 4.7 | 0 | -- | -- |
| Ohio | 194 | 3.47 | 8.8 | 0 | -- | -- | 0 | -- | -- |
| Wisconsin | 47 | 2.48 | 7.9 | 1,334 | 0.22 | 4.6 | 0 | -- | -- |
| West North Central | 67 | 2.95 | 9.2 | 6,294 | 0.26 | 4.9 | 1,985 | 0.76 | 9.9 |
| Iowa | 0 | -- | -- | 862 | 0.23 | 4.7 | 0 | -- | -- |
| Kansas | 10 | 2.87 | 11.8 | 1,267 | 0.30 | 5.0 | 0 | -- | -- |
| Minnesota | 0 | -- | -- | 597 | 0.33 | 6.0 | 0 | -- | -- |
| Missouri | 57 | 2.97 | 8.7 | 2,383 | 0.23 | 4.7 | 0 | -- | -- |
| Nebraska | 0 | -- | -- | 1,158 | 0.25 | 4.8 | 0 | -- | -- |
| North Dakota | 0 | -- | -- | 0 | -- | -- | 1,985 | 0.76 | 9.9 |
| South Dakota | 0 | -- | -- | 28 | 0.32 | 5.3 | 0 | -- | -- |
| South Atlantic | 3,356 | 2.43 | 10.1 | 207 | 0.32 | 5.1 | 0 | -- | -- |
| Delaware | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| District of Columbia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Florida | 528 | 2.48 | 8.5 | 0 | -- | -- | 0 | -- | -- |
| Georgia | 142 | 2.65 | 8.5 | 207 | 0.32 | 5.1 | 0 | -- | -- |
| Maryland | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| North Carolina | 626 | 1.64 | 9.7 | 0 | -- | -- | 0 | -- | -- |
| South Carolina | 245 | 1.27 | 9.2 | 0 | -- | -- | 0 | -- | -- |
| Virginia | 154 | 1.21 | 26.7 | 0 | -- | -- | 0 | -- | -- |
| West Virginia | 1,661 | 2.95 | 9.9 | 0 | -- | -- | 0 | -- | -- |
| East South Central | 2,082 | 2.74 | 9.4 | 1,312 | 0.27 | 5.2 | 0 | -- | -- |
| Alabama | 217 | 0.96 | 11.4 | 832 | 0.28 | 5.3 | 0 | -- | -- |
| Kentucky | 1,572 | 3.01 | 9.3 | 371 | 0.25 | 5.1 | 0 | -- | -- |
| Mississippi | 24 | 0.46 | 7.4 | 80 | 0.32 | 4.9 | 0 | -- | -- |
| Tennessee | 269 | 2.72 | 8.6 | 29 | 0.23 | 5.6 | 0 | -- | -- |
| West South Central | 13 | 2.70 | 15.0 | 2,717 | 0.24 | 4.8 | 512 | 1.36 | 21.4 |
| Arkansas | 0 | -- | -- | 746 | 0.21 | 4.5 | 0 | -- | -- |
| Louisiana | 10 | 3.00 | 8.8 | 16 | 0.18 | 4.5 | 36 | 0.54 | 14.9 |
| Oklahoma | 4 | 0.44 | 61.6 | 465 | 0.20 | 4.6 | 0 | -- | -- |
| Texas | 0 | -- | -- | 1,489 | 0.26 | 5.0 | 475 | 1.44 | 21.9 |
| Mountain | 1,425 | 0.58 | 14.2 | 3,481 | 0.54 | 9.9 | 19 | 0.64 | 8.4 |
| Arizona | 0 | -- | -- | 876 | 0.60 | 10.0 | 0 | -- | -- |
| Colorado | 81 | 0.46 | 10.7 | 506 | 0.40 | 6.4 | 0 | -- | -- |
| Idaho | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Montana | 0 | -- | -- | 0 | -- | -- | 19 | 0.64 | 8.4 |
| Nevada | 61 | 0.39 | 11.6 | 0 | -- | -- | 0 | -- | -- |
| New Mexico | 292 | 0.91 | 24.8 | 505 | 0.70 | 21.1 | 0 | -- | -- |
| Utah | 990 | 0.51 | 12.0 | 62 | 0.96 | 8.2 | 0 | -- | -- |
| Wyoming | 0 | -- | -- | 1,533 | 0.48 | 7.3 | 0 | -- | -- |
| Pacific Contiguous | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| California | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Oregon | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Washington | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pacific Noncontiguous | 0 | -- | -- | 0 | -- | -- | 8 | 0.17 | 10.7 |
| Alaska | 0 | -- | -- | 0 | -- | -- | 8 | 0.17 | 10.7 |
| Hawaii | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| U.S. Total | 9,185 | 2.36 | 10.3 | 16,922 | 0.31 | 5.9 | 2,524 | 0.86 | 12.0 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, July 2020

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight |
| New England | 3 | 0.58 | 6.7 | 0 | -- | -- | 0 | -- | -- |
| Connecticut | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maine | 3 | 0.58 | 6.7 | 0 | -- | -- | 0 | -- | -- |
| Massachusetts | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Hampshire | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Rhode Island | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Vermont | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Middle Atlantic | 709 | 2.73 | 10.2 | 0 | -- | -- | 0 | -- | -- |
| New Jersey | 51 | 1.78 | 7.9 | 0 | -- | -- | 0 | -- | -- |
| New York | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pennsylvania | 659 | 2.80 | 10.4 | 0 | -- | -- | 0 | -- | -- |
| East North Central | 1,972 | 3.52 | 12.6 | 655 | 0.21 | 4.5 | 0 | -- | -- |
| Illinois | 553 | 3.66 | 26.3 | 640 | 0.20 | 4.5 | 0 | -- | -- |
| Indiana | 200 | 3.22 | 9.0 | 0 | -- | -- | 0 | -- | -- |
| Michigan | 27 | 1.27 | 7.3 | 0 | -- | -- | 0 | -- | -- |
| Ohio | 1,192 | 3.56 | 8.9 | 16 | 0.27 | 4.4 | 0 | -- | -- |
| Wisconsin | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West North Central | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Iowa | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Kansas | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Minnesota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Missouri | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Nebraska | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| North Dakota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Dakota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Atlantic | 436 | 3.20 | 9.2 | 0 | -- | -- | 0 | -- | -- |
| Delaware | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| District of Columbia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Florida | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Georgia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maryland | 98 | 2.59 | 10.9 | 0 | -- | -- | 0 | -- | -- |
| North Carolina | 2 | 0.69 | 5.8 | 0 | -- | -- | 0 | -- | -- |
| South Carolina | 12 | 1.14 | 9.4 | 0 | -- | -- | 0 | -- | -- |
| Virginia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West Virginia | 323 | 3.48 | 8.8 | 0 | -- | -- | 0 | -- | -- |
| East South Central | 0 | -- | -- | 0 | -- | -- | 245 | 0.47 | 13.4 |
| Alabama | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Kentucky | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Mississippi | 0 | -- | -- | 0 | -- | -- | 245 | 0.47 | 13.4 |
| Tennessee | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West South Central | 0 | -- | -- | 1,812 | 0.35 | 5.4 | 1,307 | 0.85 | 15.9 |
| Arkansas | 0 | -- | -- | 181 | 0.24 | 4.9 | 0 | -- | -- |
| Louisiana | 0 | -- | -- | 164 | 0.27 | 4.6 | 0 | -- | -- |
| Oklahoma | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Texas | 0 | -- | -- | 1,467 | 0.38 | 5.5 | 1,307 | 0.85 | 15.9 |
| Mountain | 0 | -- | -- | 541 | 0.65 | 8.5 | 0 | -- | -- |
| Arizona | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Colorado | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Idaho | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Montana | 0 | -- | -- | 448 | 0.72 | 9.2 | 0 | -- | -- |
| Nevada | 0 | -- | -- | 45 | 0.26 | 4.8 | 0 | -- | -- |
| New Mexico | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Utah | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Wyoming | 0 | -- | -- | 47 | 0.36 | 5.2 | 0 | -- | -- |
| Pacific Contiguous | 0 | -- | -- | 192 | 0.39 | 9.0 | 0 | -- | -- |
| California | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Oregon | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Washington | 0 | -- | -- | 192 | 0.39 | 9.0 | 0 | -- | -- |
| Pacific Noncontiguous | 0 | -- | -- | 62 | 0.15 | 4.2 | 0 | -- | -- |
| Alaska | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Hawaii | 0 | -- | -- | 62 | 0.15 | 4.2 | 0 | -- | -- |
| U.S. Total | 3,121 | 3.28 | 11.5 | 3,262 | 0.37 | 5.9 | 1,552 | 0.80 | 15.6 |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, July 2020

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight |
| New England | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Connecticut | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maine | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Massachusetts | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Hampshire | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Rhode Island | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Vermont | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Middle Atlantic | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Jersey | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New York | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pennsylvania | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| East North Central | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Illinois | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Indiana | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Michigan | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Ohio | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Wisconsin | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West North Central | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Iowa | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Kansas | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Minnesota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Missouri | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Nebraska | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| North Dakota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Dakota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Atlantic | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Delaware | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| District of Columbia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Florida | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Georgia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maryland | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| North Carolina | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Carolina | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Virginia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West Virginia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| East South Central | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Alabama | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Kentucky | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Mississippi | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Tennessee | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West South Central | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Arkansas | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Louisiana | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Oklahoma | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Texas | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Mountain | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Arizona | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Colorado | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Idaho | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Montana | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Nevada | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Mexico | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Utah | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Wyoming | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pacific Contiguous | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| California | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Oregon | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Washington | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pacific Noncontiguous | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Alaska | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Hawaii | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| U.S. Total | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

## Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, July 2020

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight | Receipts (Thousand Tons) | Average Sulfur Percent by Weight | Average Ash Percent by Weight |
| New England | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Connecticut | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Maine | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Massachusetts | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Hampshire | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Rhode Island | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Vermont | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Middle Atlantic | 11 | 2.57 | 8.3 | 0 | -- | -- | 0 | -- | -- |
| New Jersey | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New York | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pennsylvania | 11 | 2.57 | 8.3 | 0 | -- | -- | 0 | -- | -- |
| East North Central | 97 | 3.50 | 8.8 | 54 | 0.22 | 5.7 | 0 | -- | -- |
| Illinois | 97 | 3.50 | 8.8 | 54 | 0.22 | 5.7 | 0 | -- | -- |
| Indiana | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Michigan | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Ohio | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Wisconsin | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| West North Central | 16 | 2.70 | 9.5 | 179 | 0.21 | 4.4 | 0 | -- | -- |
| Iowa | 16 | 2.70 | 9.5 | 148 | 0.21 | 4.4 | 0 | -- | -- |
| Kansas | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Minnesota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Missouri | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Nebraska | 0 | -- | -- | 32 | 0.21 | 4.4 | 0 | -- | -- |
| North Dakota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Dakota | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| South Atlantic | 38 | 0.76 | 7.6 | 0 | -- | -- | 0 | -- | -- |
| Delaware | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| District of Columbia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Florida | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Georgia | 5 | 0.80 | 10.2 | 0 | -- | -- | 0 | -- | -- |
| Maryland | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| North Carolina | 16 | 0.75 | 7.4 | 0 | -- | -- | 0 | -- | -- |
| South Carolina | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Virginia | 17 | 0.75 | 7.1 | 0 | -- | -- | 0 | -- | -- |
| West Virginia | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| East South Central | 34 | 0.92 | 6.6 | 0 | -- | -- | 0 | -- | -- |
| Alabama | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Kentucky | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Mississippi | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Tennessee | 34 | 0.92 | 6.6 | 0 | -- | -- | 0 | -- | -- |
| West South Central | 5 | 0.44 | 9.6 | 0 | -- | -- | 0 | -- | -- |
| Arkansas | 5 | 0.44 | 9.6 | 0 | -- | -- | 0 | -- | -- |
| Louisiana | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Oklahoma | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Texas | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Mountain | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Arizona | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Colorado | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Idaho | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Montana | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Nevada | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| New Mexico | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Utah | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Wyoming | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pacific Contiguous | 55 | 0.40 | 8.2 | 0 | -- | -- | 0 | -- | -- |
| California | 55 | 0.40 | 8.2 | 0 | -- | -- | 0 | -- | -- |
| Oregon | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Washington | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Pacific Noncontiguous | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Alaska | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| Hawaii | 0 | -- | -- | 0 | -- | -- | 0 | -- | -- |
| U.S. Total | 255 | 1.86 | 8.2 | 234 | 0.21 | 4.7 | 0 | -- | -- |

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

# Chapter 5

# Sales to Ultimate Consumers, Revenue and Average Price of Electricity to Ultimate Consumers

## Table 5.1. Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - July 2020 (Thousand Megawatthours)

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| Annual Totals | | | | | |
| 2010 | 1,445,708 | 1,330,199 | 971,221 | 7,712 | 3,754,841 |
| 2011 | 1,422,801 | 1,328,057 | 991,316 | 7,672 | 3,749,846 |
| 2012 | 1,374,515 | 1,327,101 | 985,714 | 7,320 | 3,694,650 |
| 2013 | 1,394,812 | 1,337,079 | 985,352 | 7,625 | 3,724,868 |
| 2014 | 1,407,208 | 1,352,158 | 997,576 | 7,758 | 3,764,700 |
| 2015 | 1,404,096 | 1,360,752 | 986,508 | 7,637 | 3,758,992 |
| 2016 | 1,411,058 | 1,367,191 | 976,715 | 7,497 | 3,762,462 |
| 2017 | 1,378,648 | 1,352,888 | 984,298 | 7,523 | 3,723,356 |
| 2018 | 1,469,093 | 1,381,755 | 1,000,673 | 7,665 | 3,859,185 |
| 2019 | 1,435,147 | 1,354,545 | 952,149 | 7,697 | 3,749,538 |
| Year 2018 | | | | | |
| January | 148,917 | 114,925 | 79,890 | 745 | 344,478 |
| February | 113,751 | 102,685 | 75,661 | 634 | 292,732 |
| March | 107,218 | 108,108 | 81,053 | 620 | 296,999 |
| April | 95,454 | 103,331 | 79,083 | 599 | 278,468 |
| May | 103,848 | 113,175 | 85,638 | 587 | 303,248 |
| June | 129,913 | 122,011 | 85,536 | 623 | 338,083 |
| July | 153,566 | 131,522 | 89,301 | 634 | 375,023 |
| August | 153,496 | 134,848 | 92,106 | 680 | 381,131 |
| Sept | 128,910 | 122,033 | 85,679 | 640 | 337,263 |
| October | 107,049 | 116,133 | 85,301 | 631 | 309,114 |
| November | 103,790 | 104,983 | 81,118 | 616 | 290,507 |
| December | 123,180 | 107,998 | 80,306 | 655 | 312,140 |
| Year 2019 | | | | | |
| January | 133,011 | 111,433 | 78,390 | 673 | 323,507 |
| February | 116,249 | 101,547 | 72,568 | 702 | 291,066 |
| March | 112,140 | 106,889 | 77,198 | 689 | 296,916 |
| April | 89,864 | 101,960 | 76,413 | 614 | 268,851 |
| May | 99,810 | 110,889 | 80,657 | 611 | 291,967 |
| June | 119,519 | 115,338 | 80,618 | 612 | 316,087 |
| July | 153,141 | 130,429 | 86,057 | 646 | 370,272 |
| August | 149,549 | 130,101 | 86,345 | 657 | 366,651 |
| Sept | 131,123 | 121,318 | 81,767 | 681 | 334,890 |
| October | 107,636 | 114,372 | 79,939 | 546 | 302,493 |
| November | 102,167 | 102,810 | 75,869 | 618 | 281,464 |
| December | 120,938 | 107,459 | 76,327 | 650 | 305,373 |
| Year 2020 | | | | | |
| January | 123,731 | 107,715 | 77,384 | 714 | 309,544 |
| February | 111,963 | 102,038 | 75,626 | 621 | 290,248 |
| March | 103,973 | 102,933 | 77,509 | 604 | 285,019 |
| April | 97,440 | 90,587 | 69,480 | 451 | 257,958 |
| May | 105,345 | 93,332 | 71,195 | 452 | 270,325 |
| June | 131,248 | 108,654 | 75,225 | 481 | 315,608 |
| July | 166,773 | 126,048 | 81,314 | 555 | 374,690 |
| Year to Date | | | | | |
| 2018 | 852,668 | 795,759 | 576,163 | 4,443 | 2,229,032 |
| 2019 | 823,734 | 778,485 | 551,901 | 4,546 | 2,158,667 |
| 2020 | 840,472 | 731,307 | 527,733 | 3,879 | 2,103,391 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 1,440,160 | 1,364,481 | 976,411 | 7,768 | 3,788,820 |
| 2020 | 1,451,885 | 1,307,367 | 927,980 | 7,029 | 3,694,262 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2018 and prior years are final. Values for 2020 and 2019 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

## Table 5.2. Revenue from Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - July 2020 (Million Dollars)

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| Annual Totals | | | | | |
| 2010 | 166,778 | 135,554 | 65,772 | 814 | 368,918 |
| 2011 | 166,714 | 135,927 | 67,606 | 803 | 371,049 |
| 2012 | 163,280 | 133,898 | 65,761 | 747 | 363,687 |
| 2013 | 169,131 | 137,188 | 67,934 | 805 | 375,058 |
| 2014 | 176,178 | 145,253 | 70,855 | 810 | 393,096 |
| 2015 | 177,624 | 144,781 | 68,166 | 771 | 391,341 |
| 2016 | 177,077 | 142,643 | 66,068 | 722 | 386,509 |
| 2017 | 177,661 | 144,242 | 67,691 | 728 | 390,322 |
| 2018 | 189,033 | 147,425 | 69,218 | 744 | 406,420 |
| 2019 | 187,102 | 144,452 | 65,033 | 749 | 397,337 |
| Year 2018 | | | | | |
| January | 18,193 | 12,053 | 5,543 | 70 | 35,859 |
| February | 14,364 | 10,936 | 5,128 | 62 | 30,490 |
| March | 13,905 | 11,365 | 5,373 | 58 | 30,701 |
| April | 12,290 | 10,806 | 5,194 | 57 | 28,347 |
| May | 13,625 | 11,890 | 5,819 | 55 | 31,388 |
| June | 16,922 | 13,223 | 6,136 | 64 | 36,344 |
| July | 20,156 | 14,466 | 6,540 | 64 | 41,226 |
| August | 20,351 | 14,874 | 6,673 | 65 | 41,963 |
| Sept | 16,775 | 13,085 | 6,038 | 64 | 35,962 |
| October | 13,751 | 12,506 | 5,864 | 62 | 32,182 |
| November | 13,389 | 11,069 | 5,557 | 60 | 30,074 |
| December | 15,311 | 11,155 | 5,353 | 64 | 31,883 |
| Year 2019 | | | | | |
| January | 16,603 | 11,479 | 5,155 | 66 | 33,303 |
| February | 14,803 | 10,701 | 4,852 | 72 | 30,428 |
| March | 14,420 | 11,174 | 5,191 | 64 | 30,849 |
| April | 11,939 | 10,712 | 4,984 | 58 | 27,693 |
| May | 13,316 | 11,658 | 5,401 | 58 | 30,434 |
| June | 15,967 | 12,553 | 5,569 | 62 | 34,151 |
| July | 20,346 | 14,355 | 6,186 | 64 | 40,950 |
| August | 19,931 | 14,327 | 6,433 | 64 | 40,755 |
| Sept | 17,288 | 13,313 | 5,808 | 67 | 36,476 |
| October | 13,818 | 12,285 | 5,485 | 53 | 31,642 |
| November | 13,324 | 10,813 | 5,106 | 59 | 29,302 |
| December | 15,348 | 11,084 | 4,863 | 62 | 31,356 |
| Year 2020 | | | | | |
| January | 15,824 | 11,069 | 4,902 | 67 | 31,862 |
| February | 14,384 | 10,572 | 4,855 | 58 | 29,869 |
| March | 13,602 | 10,715 | 4,961 | 59 | 29,337 |
| April | 12,939 | 9,438 | 4,457 | 44 | 26,877 |
| May | 13,842 | 9,746 | 4,615 | 42 | 28,245 |
| June | 17,425 | 11,904 | 5,228 | 50 | 34,607 |
| July | 22,111 | 13,722 | 5,828 | 56 | 41,719 |
| Year to Date | | | | | |
| 2018 | 109,456 | 84,737 | 39,734 | 430 | 234,356 |
| 2019 | 107,394 | 82,631 | 37,338 | 444 | 227,806 |
| 2020 | 110,126 | 77,166 | 34,846 | 377 | 222,515 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 186,971 | 145,319 | 66,823 | 758 | 399,871 |
| 2020 | 189,835 | 138,988 | 62,541 | 682 | 392,045 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2018 and prior years are final. Values for 2020 and 2019 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

## Table 5.3. Average Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - July 2020 (Cents per Kilowatthour)

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| Annual Totals | | | | | |
| 2010 | 11.54 | 10.19 | 6.77 | 10.56 | 9.83 |
| 2011 | 11.72 | 10.24 | 6.82 | 10.46 | 9.90 |
| 2012 | 11.88 | 10.09 | 6.67 | 10.21 | 9.84 |
| 2013 | 12.13 | 10.26 | 6.89 | 10.55 | 10.07 |
| 2014 | 12.52 | 10.74 | 7.10 | 10.45 | 10.44 |
| 2015 | 12.65 | 10.64 | 6.91 | 10.09 | 10.41 |
| 2016 | 12.55 | 10.43 | 6.76 | 9.63 | 10.27 |
| 2017 | 12.89 | 10.66 | 6.88 | 9.68 | 10.48 |
| 2018 | 12.87 | 10.67 | 6.92 | 9.70 | 10.53 |
| 2019 | 13.04 | 10.66 | 6.83 | 9.73 | 10.60 |
| Year 2018 | | | | | |
| January | 12.22 | 10.49 | 6.94 | 9.39 | 10.41 |
| February | 12.63 | 10.65 | 6.78 | 9.78 | 10.42 |
| March | 12.97 | 10.51 | 6.63 | 9.40 | 10.34 |
| April | 12.88 | 10.46 | 6.57 | 9.47 | 10.18 |
| May | 13.12 | 10.51 | 6.79 | 9.39 | 10.35 |
| June | 13.03 | 10.84 | 7.17 | 10.23 | 10.75 |
| July | 13.13 | 11.00 | 7.32 | 10.05 | 10.99 |
| August | 13.26 | 11.03 | 7.25 | 9.50 | 11.01 |
| Sept | 13.01 | 10.72 | 7.05 | 10.05 | 10.66 |
| October | 12.85 | 10.77 | 6.87 | 9.79 | 10.41 |
| November | 12.90 | 10.54 | 6.85 | 9.70 | 10.35 |
| December | 12.43 | 10.33 | 6.67 | 9.71 | 10.21 |
| Year 2019 | | | | | |
| January | 12.48 | 10.30 | 6.58 | 9.86 | 10.29 |
| February | 12.73 | 10.54 | 6.69 | 10.29 | 10.45 |
| March | 12.86 | 10.45 | 6.72 | 9.28 | 10.39 |
| April | 13.29 | 10.51 | 6.52 | 9.48 | 10.30 |
| May | 13.34 | 10.51 | 6.70 | 9.49 | 10.42 |
| June | 13.36 | 10.88 | 6.91 | 10.06 | 10.80 |
| July | 13.29 | 11.01 | 7.19 | 9.88 | 11.06 |
| August | 13.33 | 11.01 | 7.45 | 9.72 | 11.12 |
| Sept | 13.18 | 10.97 | 7.10 | 9.84 | 10.89 |
| October | 12.84 | 10.74 | 6.86 | 9.75 | 10.46 |
| November | 13.04 | 10.52 | 6.73 | 9.56 | 10.41 |
| December | 12.69 | 10.31 | 6.37 | 9.52 | 10.27 |
| Year 2020 | | | | | |
| January | 12.79 | 10.28 | 6.33 | 9.35 | 10.29 |
| February | 12.85 | 10.36 | 6.42 | 9.42 | 10.29 |
| March | 13.08 | 10.41 | 6.40 | 9.77 | 10.29 |
| April | 13.28 | 10.42 | 6.41 | 9.69 | 10.42 |
| May | 13.14 | 10.44 | 6.48 | 9.29 | 10.45 |
| June | 13.28 | 10.96 | 6.95 | 10.44 | 10.97 |
| July | 13.26 | 10.89 | 7.17 | 10.16 | 11.13 |
| Year to Date | | | | | |
| 2018 | 12.84 | 10.65 | 6.90 | 9.67 | 10.51 |
| 2019 | 13.04 | 10.61 | 6.77 | 9.77 | 10.55 |
| 2020 | 13.10 | 10.55 | 6.60 | 9.71 | 10.58 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 12.98 | 10.65 | 6.84 | 9.76 | 10.55 |
| 2020 | 13.08 | 10.63 | 6.74 | 9.70 | 10.61 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2018 and prior years are final. Values for 2020 and 2019 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

## Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2020 and 2019 (Thousand Megawatthours)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 5,436 | 4,964 | 4,555 | 4,987 | 1,340 | 1,482 | 39 | 45 | 11,370 | 11,478 |
| Connecticut | 1,590 | 1,501 | 1,141 | 1,232 | 271 | 280 | 11 | 16 | 3,013 | 3,028 |
| Maine | 452 | 395 | 354 | 365 | 207 | 296 | 0 | 0 | 1,013 | 1,057 |
| Massachusetts | 2,268 | 2,068 | 2,141 | 2,407 | 522 | 535 | 27 | 28 | 4,958 | 5,038 |
| New Hampshire | 519 | 463 | 397 | 421 | 163 | 176 | 0 | 0 | 1,079 | 1,059 |
| Rhode Island | 395 | 351 | 347 | 375 | 62 | 69 | 1 | 2 | 805 | 798 |
| Vermont | 212 | 185 | 175 | 188 | 115 | 125 | 0 | 0 | 502 | 498 |
| Middle Atlantic | 16,517 | 14,914 | 13,606 | 14,337 | 6,287 | 6,744 | 287 | 313 | 36,697 | 36,306 |
| New Jersey | 4,333 | 3,990 | 3,505 | 3,808 | 568 | 586 | 23 | 26 | 8,428 | 8,409 |
| New York | 6,104 | 5,486 | 6,634 | 7,121 | 1,389 | 1,627 | 226 | 239 | 14,353 | 14,472 |
| Pennsylvania | 6,081 | 5,439 | 3,467 | 3,408 | 4,331 | 4,531 | 39 | 48 | 13,917 | 13,425 |
| East North Central | 22,837 | 21,191 | 16,871 | 17,783 | 14,989 | 16,160 | 40 | 50 | 54,736 | 55,184 |
| Illinois | 5,977 | 5,605 | 4,459 | 4,791 | 3,614 | 3,802 | 35 | 45 | 14,085 | 14,243 |
| Indiana | 3,655 | 3,461 | 2,230 | 2,302 | 3,317 | 3,611 | 1 | 2 | 9,203 | 9,377 |
| Michigan | 4,466 | 3,953 | 3,594 | 3,745 | 2,284 | 2,463 | 0 | 1 | 10,345 | 10,162 |
| Ohio | 6,117 | 5,811 | 4,402 | 4,681 | 3,787 | 4,165 | 2 | 2 | 14,309 | 14,660 |
| Wisconsin | 2,622 | 2,361 | 2,186 | 2,264 | 1,986 | 2,118 | 0 | 0 | 6,794 | 6,742 |
| West North Central | 11,676 | 10,607 | 9,262 | 9,587 | 7,651 | 7,891 | 3 | 4 | 28,592 | 28,089 |
| Iowa | 1,540 | 1,472 | 1,094 | 1,132 | 2,058 | 2,065 | 0 | 0 | 4,691 | 4,670 |
| Kansas | 1,715 | 1,585 | 1,491 | 1,478 | 930 | 1,006 | 0 | 0 | 4,136 | 4,069 |
| Minnesota | 2,401 | 2,082 | 2,019 | 2,108 | 1,507 | 1,790 | 2 | 2 | 5,928 | 5,982 |
| Missouri | 4,035 | 3,678 | 2,860 | 3,007 | 1,008 | 994 | 1 | 2 | 7,904 | 7,681 |
| Nebraska | 1,148 | 1,042 | 855 | 871 | 1,109 | 1,006 | 0 | 0 | 3,111 | 2,919 |
| North Dakota | 383 | 343 | 505 | 546 | 790 | 781 | 0 | 0 | 1,678 | 1,670 |
| South Dakota | 454 | 404 | 439 | 446 | 250 | 248 | 0 | 0 | 1,143 | 1,099 |
| South Atlantic | 42,038 | 39,251 | 29,926 | 30,641 | 11,737 | 12,252 | 101 | 124 | 83,802 | 82,269 |
| Delaware | 572 | 529 | 419 | 457 | 175 | 164 | 0 | 0 | 1,167 | 1,150 |
| District of Columbia | 304 | 300 | 672 | 780 | 15 | 17 | 23 | 37 | 1,014 | 1,134 |
| Florida | 14,099 | 13,175 | 8,592 | 9,028 | 1,434 | 1,400 | 6 | 7 | 24,131 | 23,610 |
| Georgia | 6,887 | 6,438 | 4,667 | 4,608 | 2,613 | 2,747 | 11 | 15 | 14,179 | 13,808 |
| Maryland | 3,255 | 3,005 | 2,728 | 2,881 | 310 | 331 | 47 | 52 | 6,340 | 6,268 |
| North Carolina | 6,758 | 6,277 | 4,724 | 4,870 | 2,309 | 2,515 | 2 | 2 | 13,793 | 13,664 |
| South Carolina | 3,661 | 3,434 | 2,155 | 2,238 | 2,180 | 2,394 | 0 | 0 | 7,996 | 8,066 |
| Virginia | 5,413 | 5,063 | 5,263 | 5,047 | 1,531 | 1,405 | 12 | 12 | 12,219 | 11,527 |
| West Virginia | 1,088 | 1,030 | 705 | 732 | 1,169 | 1,279 | 0 | 0 | 2,962 | 3,040 |
| East South Central | 13,234 | 12,493 | 8,656 | 9,021 | 7,683 | 8,198 | 0 | 0 | 29,573 | 29,712 |
| Alabama | 3,588 | 3,429 | 2,108 | 2,218 | 2,545 | 2,859 | 0 | 0 | 8,240 | 8,505 |
| Kentucky | 2,976 | 2,790 | 1,826 | 1,916 | 2,215 | 2,340 | 0 | 0 | 7,018 | 7,046 |
| Mississippi | 2,102 | 1,997 | 1,284 | 1,359 | 1,317 | 1,438 | 0 | 0 | 4,704 | 4,794 |
| Tennessee | 4,568 | 4,277 | 3,438 | 3,529 | 1,606 | 1,561 | 0 | 0 | 9,612 | 9,367 |
| West South Central | 26,913 | 24,800 | 19,131 | 19,248 | 15,889 | 16,894 | 16 | 17 | 61,949 | 60,960 |
| Arkansas | 1,989 | 1,841 | 1,113 | 1,157 | 1,421 | 1,537 | 0 | 0 | 4,523 | 4,535 |
| Louisiana | 3,523 | 3,436 | 2,234 | 2,408 | 2,728 | 2,977 | 1 | 1 | 8,485 | 8,821 |
| Oklahoma | 2,908 | 2,713 | 1,912 | 1,945 | 1,737 | 1,813 | 0 | 0 | 6,557 | 6,470 |
| Texas | 18,493 | 16,810 | 13,872 | 13,739 | 10,003 | 10,568 | 15 | 16 | 42,384 | 41,133 |
| Mountain | 12,939 | 11,729 | 9,290 | 9,622 | 7,785 | 8,073 | 13 | 16 | 30,026 | 29,440 |
| Arizona | 5,231 | 4,713 | 3,056 | 3,102 | 1,231 | 1,267 | 1 | 1 | 9,518 | 9,083 |
| Colorado | 2,248 | 2,010 | 1,857 | 1,925 | 1,439 | 1,500 | 7 | 9 | 5,550 | 5,445 |
| Idaho | 787 | 734 | 562 | 580 | 1,211 | 1,252 | 0 | 0 | 2,561 | 2,566 |
| Montana | 399 | 363 | 392 | 415 | 399 | 439 | 0 | 0 | 1,190 | 1,217 |
| Nevada | 1,979 | 1,792 | 1,249 | 1,289 | 1,107 | 1,113 | 0 | 1 | 4,335 | 4,195 |
| New Mexico | 856 | 763 | 828 | 883 | 803 | 805 | 0 | 0 | 2,487 | 2,451 |
| Utah | 1,209 | 1,132 | 1,057 | 1,109 | 865 | 854 | 4 | 4 | 3,135 | 3,099 |
| Wyoming | 231 | 221 | 290 | 319 | 731 | 845 | 0 | 0 | 1,251 | 1,385 |
| Pacific Contiguous | 14,793 | 12,791 | 14,324 | 14,714 | 7,568 | 7,933 | 57 | 76 | 36,741 | 35,514 |
| California | 10,464 | 8,922 | 10,653 | 10,871 | 4,731 | 4,669 | 46 | 65 | 25,894 | 24,527 |
| Oregon | 1,585 | 1,416 | 1,405 | 1,428 | 1,109 | 1,134 | 2 | 2 | 4,100 | 3,980 |
| Washington | 2,744 | 2,453 | 2,266 | 2,415 | 1,729 | 2,130 | 8 | 9 | 6,747 | 7,008 |
| Pacific Noncontiguous | 390 | 403 | 427 | 488 | 385 | 430 | 0 | 0 | 1,202 | 1,321 |
| Alaska | 145 | 141 | 197 | 221 | 109 | 100 | 0 | 0 | 450 | 462 |
| Hawaii | 245 | 263 | 231 | 267 | 276 | 329 | 0 | 0 | 752 | 859 |
| U.S. Total | 166,773 | 153,141 | 126,048 | 130,429 | 81,314 | 86,057 | 555 | 646 | 374,690 | 370,272 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

**Table 5.4.B. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2020 and 2019 (Thousand Megawatthours)**

| | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| Census Division and State | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 28,053 | 27,067 | 27,278 | 29,799 | 8,584 | 9,060 | 279 | 320 | 64,193 | 66,246 |
| Connecticut | 7,675 | 7,437 | 6,464 | 7,064 | 1,629 | 1,724 | 76 | 102 | 15,844 | 16,328 |
| Maine | 2,891 | 2,846 | 2,200 | 2,475 | 1,474 | 1,634 | 0 | 0 | 6,565 | 6,955 |
| Massachusetts | 11,611 | 11,160 | 13,293 | 14,495 | 3,278 | 3,388 | 191 | 202 | 28,372 | 29,245 |
| New Hampshire | 2,821 | 2,662 | 2,282 | 2,501 | 1,058 | 1,106 | 0 | 0 | 6,161 | 6,269 |
| Rhode Island | 1,792 | 1,735 | 1,984 | 2,121 | 376 | 406 | 12 | 16 | 4,164 | 4,277 |
| Vermont | 1,263 | 1,227 | 1,054 | 1,143 | 770 | 801 | 0 | 0 | 3,087 | 3,171 |
| Middle Atlantic | 79,220 | 77,875 | 80,560 | 89,198 | 40,472 | 41,922 | 1,865 | 2,269 | 202,117 | 211,265 |
| New Jersey | 17,289 | 16,775 | 20,062 | 22,026 | 3,669 | 3,871 | 157 | 180 | 41,177 | 42,852 |
| New York | 29,677 | 28,881 | 39,963 | 43,022 | 9,049 | 9,702 | 1,473 | 1,690 | 80,162 | 83,294 |
| Pennsylvania | 32,254 | 32,219 | 20,535 | 24,151 | 27,754 | 28,350 | 235 | 399 | 80,778 | 85,119 |
| East North Central | 112,951 | 109,360 | 98,277 | 105,400 | 96,680 | 106,380 | 355 | 395 | 308,263 | 321,535 |
| Illinois | 27,544 | 26,578 | 26,657 | 28,781 | 22,858 | 24,254 | 319 | 355 | 77,378 | 79,968 |
| Indiana | 19,223 | 19,162 | 12,800 | 13,730 | 21,902 | 24,027 | 11 | 12 | 53,935 | 56,931 |
| Michigan | 21,278 | 19,755 | 20,591 | 22,116 | 14,074 | 16,887 | 3 | 4 | 55,946 | 58,762 |
| Ohio | 31,255 | 30,792 | 25,270 | 27,068 | 24,970 | 27,413 | 22 | 24 | 81,517 | 85,297 |
| Wisconsin | 13,650 | 13,073 | 12,960 | 13,704 | 12,876 | 13,799 | 1 | 1 | 39,487 | 40,577 |
| West North Central | 63,001 | 62,116 | 55,594 | 59,364 | 49,690 | 50,969 | 24 | 29 | 168,309 | 172,478 |
| Iowa | 8,620 | 8,546 | 6,729 | 7,104 | 13,641 | 13,588 | 0 | 0 | 28,990 | 29,238 |
| Kansas | 7,957 | 7,807 | 8,326 | 8,882 | 5,823 | 6,331 | 0 | 0 | 22,106 | 23,019 |
| Minnesota | 13,503 | 13,050 | 12,359 | 13,185 | 10,642 | 11,857 | 11 | 15 | 36,515 | 38,108 |
| Missouri | 20,719 | 20,558 | 16,443 | 17,809 | 6,354 | 6,518 | 13 | 14 | 43,529 | 44,899 |
| Nebraska | 6,195 | 6,128 | 5,209 | 5,515 | 6,132 | 5,857 | 0 | 0 | 17,536 | 17,501 |
| North Dakota | 3,022 | 3,029 | 3,753 | 3,943 | 5,548 | 5,248 | 0 | 0 | 12,323 | 12,221 |
| South Dakota | 2,986 | 2,997 | 2,775 | 2,926 | 1,550 | 1,570 | 0 | 0 | 7,311 | 7,493 |
| South Atlantic | 212,041 | 211,988 | 171,292 | 182,092 | 75,748 | 80,053 | 706 | 796 | 459,787 | 474,929 |
| Delaware | 2,869 | 2,918 | 2,389 | 2,568 | 1,075 | 1,071 | 0 | 0 | 6,333 | 6,557 |
| District of Columbia | 1,426 | 1,505 | 3,989 | 4,638 | 121 | 116 | 175 | 195 | 5,711 | 6,454 |
| Florida | 73,057 | 70,635 | 51,915 | 54,792 | 9,328 | 9,403 | 45 | 51 | 134,344 | 134,881 |
| Georgia | 33,714 | 33,717 | 25,472 | 27,089 | 16,965 | 18,284 | 84 | 97 | 76,235 | 79,187 |
| Maryland | 16,103 | 16,446 | 15,345 | 16,826 | 1,954 | 2,152 | 295 | 332 | 33,697 | 35,756 |
| North Carolina | 34,035 | 34,579 | 26,517 | 28,312 | 14,497 | 15,529 | 9 | 11 | 75,058 | 78,431 |
| South Carolina | 17,934 | 17,953 | 11,802 | 12,603 | 14,330 | 15,572 | 0 | 0 | 44,066 | 46,128 |
| Virginia | 26,418 | 27,626 | 29,831 | 30,842 | 9,284 | 9,499 | 99 | 110 | 65,632 | 68,077 |
| West Virginia | 6,485 | 6,609 | 4,034 | 4,422 | 8,193 | 8,427 | 0 | 0 | 18,712 | 19,458 |
| East South Central | 68,316 | 68,968 | 48,743 | 52,559 | 52,397 | 55,520 | 0 | 0 | 169,456 | 177,047 |
| Alabama | 18,187 | 18,438 | 11,929 | 12,891 | 17,679 | 19,098 | 0 | 0 | 47,795 | 50,427 |
| Kentucky | 15,438 | 15,543 | 10,435 | 11,204 | 15,099 | 15,999 | 0 | 0 | 40,972 | 42,746 |
| Mississippi | 10,562 | 10,624 | 7,192 | 7,733 | 9,187 | 9,554 | 0 | 0 | 26,942 | 27,911 |
| Tennessee | 24,129 | 24,363 | 19,186 | 20,731 | 10,431 | 10,869 | 0 | 0 | 53,746 | 55,963 |
| West South Central | 128,283 | 125,447 | 107,553 | 110,010 | 107,016 | 109,461 | 106 | 112 | 342,958 | 345,030 |
| Arkansas | 10,406 | 10,527 | 6,202 | 6,682 | 9,384 | 9,897 | 0 | 0 | 25,993 | 27,107 |
| Louisiana | 17,549 | 17,421 | 13,044 | 13,892 | 19,761 | 20,088 | 6 | 7 | 50,360 | 51,409 |
| Oklahoma | 13,781 | 13,604 | 10,430 | 11,228 | 11,594 | 11,563 | 0 | 0 | 35,805 | 36,395 |
| Texas | 86,547 | 83,894 | 77,877 | 78,208 | 66,276 | 67,913 | 100 | 104 | 230,800 | 230,120 |
| Mountain | 61,157 | 56,866 | 53,901 | 56,149 | 48,051 | 48,432 | 96 | 108 | 163,205 | 161,554 |
| Arizona | 21,561 | 19,503 | 16,311 | 16,725 | 7,848 | 7,818 | 7 | 6 | 45,727 | 44,052 |
| Colorado | 11,744 | 10,929 | 11,254 | 11,842 | 9,296 | 9,195 | 58 | 67 | 32,351 | 32,033 |
| Idaho | 5,129 | 5,015 | 3,551 | 3,676 | 5,388 | 5,232 | 0 | 0 | 14,067 | 13,923 |
| Montana | 3,126 | 3,148 | 2,721 | 2,895 | 2,633 | 2,761 | 0 | 0 | 8,480 | 8,804 |
| Nevada | 7,905 | 7,260 | 6,853 | 6,905 | 6,847 | 7,199 | 3 | 5 | 21,608 | 21,369 |
| New Mexico | 4,225 | 3,896 | 4,975 | 5,237 | 5,237 | 4,955 | 0 | 0 | 14,437 | 14,088 |
| Utah | 5,755 | 5,399 | 6,257 | 6,728 | 5,462 | 5,287 | 29 | 30 | 17,503 | 17,444 |
| Wyoming | 1,713 | 1,717 | 1,979 | 2,140 | 5,341 | 5,984 | 0 | 0 | 9,033 | 9,841 |
| Pacific Contiguous | 84,655 | 81,394 | 85,128 | 90,674 | 46,490 | 47,390 | 448 | 516 | 216,720 | 219,974 |
| California | 51,253 | 48,378 | 60,388 | 64,136 | 26,709 | 26,249 | 374 | 445 | 138,724 | 139,208 |
| Oregon | 11,453 | 11,314 | 9,054 | 9,524 | 6,933 | 6,959 | 15 | 16 | 27,455 | 27,813 |
| Washington | 21,949 | 21,702 | 15,686 | 17,015 | 12,848 | 14,182 | 58 | 55 | 50,541 | 52,953 |
| Pacific Noncontiguous | 2,794 | 2,655 | 2,982 | 3,241 | 2,606 | 2,713 | 0 | 0 | 8,382 | 8,609 |
| Alaska | 1,228 | 1,148 | 1,493 | 1,563 | 735 | 692 | 0 | 0 | 3,455 | 3,403 |
| Hawaii | 1,566 | 1,507 | 1,490 | 1,678 | 1,871 | 2,021 | 0 | 0 | 4,927 | 5,206 |
| U.S. Total | 840,472 | 823,734 | 731,307 | 778,485 | 527,733 | 551,901 | 3,879 | 4,546 | 2,103,391 | 2,158,667 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

## Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2020 and 2019 (Million Dollars)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 1,123 | 1,007 | 724 | 791 | 173 | 187 | 3 | 4 | 2,023 | 1,989 |
| Connecticut | 351 | 316 | 193 | 197 | 37 | 37 | 1 | 2 | 582 | 553 |
| Maine | 76 | 71 | 42 | 46 | 19 | 26 | 0 | 0 | 137 | 143 |
| Massachusetts | 484 | 433 | 350 | 397 | 74 | 77 | 2 | 2 | 909 | 909 |
| New Hampshire | 95 | 90 | 57 | 64 | 20 | 22 | 0 | 0 | 173 | 176 |
| Rhode Island | 77 | 66 | 54 | 56 | 10 | 10 | 0 | 0 | 140 | 132 |
| Vermont | 40 | 32 | 28 | 30 | 13 | 14 | 0 | 0 | 81 | 75 |
| Middle Atlantic | 2,671 | 2,417 | 1,794 | 1,873 | 405 | 441 | 34 | 36 | 4,904 | 4,767 |
| New Jersey | 719 | 643 | 458 | 483 | 62 | 65 | 2 | 2 | 1,241 | 1,193 |
| New York | 1,143 | 1,022 | 1,051 | 1,087 | 78 | 93 | 29 | 31 | 2,300 | 2,233 |
| Pennsylvania | 809 | 752 | 285 | 302 | 266 | 284 | 3 | 3 | 1,363 | 1,341 |
| East North Central | 3,014 | 2,802 | 1,687 | 1,799 | 1,027 | 1,116 | 3 | 4 | 5,731 | 5,722 |
| Illinois | 717 | 672 | 383 | 427 | 230 | 238 | 2 | 3 | 1,332 | 1,341 |
| Indiana | 447 | 423 | 239 | 247 | 227 | 262 | 0 | 0 | 913 | 933 |
| Michigan | 730 | 649 | 420 | 429 | 178 | 182 | 0 | 0 | 1,328 | 1,260 |
| Ohio | 739 | 718 | 400 | 439 | 222 | 260 | 0 | 0 | 1,361 | 1,417 |
| Wisconsin | 381 | 340 | 245 | 257 | 170 | 174 | 0 | 0 | 796 | 771 |
| West North Central | 1,522 | 1,388 | 970 | 1,015 | 622 | 644 | 0 | 0 | 3,114 | 3,047 |
| Iowa | 227 | 214 | 130 | 135 | 173 | 172 | 0 | 0 | 530 | 522 |
| Kansas | 221 | 204 | 156 | 156 | 67 | 71 | 0 | 0 | 444 | 430 |
| Minnesota | 332 | 292 | 221 | 238 | 134 | 147 | 0 | 0 | 687 | 677 |
| Missouri | 507 | 468 | 289 | 310 | 73 | 78 | 0 | 0 | 870 | 856 |
| Nebraska | 134 | 117 | 82 | 81 | 92 | 89 | 0 | 0 | 307 | 287 |
| North Dakota | 46 | 42 | 49 | 53 | 62 | 67 | 0 | 0 | 157 | 163 |
| South Dakota | 56 | 50 | 43 | 43 | 20 | 20 | 0 | 0 | 119 | 112 |
| South Atlantic | 5,030 | 4,755 | 2,696 | 2,874 | 777 | 835 | 8 | 10 | 8,512 | 8,474 |
| Delaware | 68 | 65 | 36 | 42 | 12 | 12 | 0 | 0 | 116 | 119 |
| District of Columbia | 36 | 37 | 77 | 93 | 1 | 1 | 2 | 3 | 116 | 134 |
| Florida | 1,651 | 1,578 | 783 | 853 | 107 | 110 | 0 | 1 | 2,542 | 2,542 |
| Georgia | 872 | 806 | 448 | 463 | 172 | 192 | 1 | 1 | 1,493 | 1,462 |
| Maryland | 398 | 376 | 254 | 273 | 24 | 26 | 4 | 4 | 679 | 679 |
| North Carolina | 760 | 722 | 418 | 444 | 154 | 167 | 0 | 0 | 1,332 | 1,333 |
| South Carolina | 452 | 437 | 217 | 236 | 138 | 152 | 0 | 0 | 807 | 825 |
| Virginia | 665 | 616 | 401 | 408 | 98 | 98 | 1 | 1 | 1,164 | 1,123 |
| West Virginia | 127 | 118 | 61 | 63 | 72 | 75 | 0 | 0 | 261 | 257 |
| East South Central | 1,490 | 1,435 | 915 | 968 | 440 | 492 | 0 | 0 | 2,845 | 2,896 |
| Alabama | 455 | 443 | 246 | 261 | 163 | 184 | 0 | 0 | 864 | 888 |
| Kentucky | 314 | 297 | 178 | 188 | 114 | 128 | 0 | 0 | 607 | 613 |
| Mississippi | 229 | 226 | 128 | 140 | 74 | 86 | 0 | 0 | 432 | 453 |
| Tennessee | 492 | 469 | 363 | 379 | 88 | 94 | 0 | 0 | 943 | 942 |
| West South Central | 3,023 | 2,807 | 1,468 | 1,540 | 823 | 941 | 1 | 1 | 5,315 | 5,288 |
| Arkansas | 214 | 187 | 97 | 102 | 91 | 99 | 0 | 0 | 402 | 388 |
| Louisiana | 329 | 334 | 187 | 210 | 131 | 161 | 0 | 0 | 647 | 706 |
| Oklahoma | 294 | 284 | 150 | 163 | 83 | 97 | 0 | 0 | 527 | 544 |
| Texas | 2,186 | 2,001 | 1,033 | 1,065 | 519 | 584 | 1 | 1 | 3,739 | 3,651 |
| Mountain | 1,578 | 1,441 | 945 | 973 | 537 | 546 | 1 | 1 | 3,061 | 2,962 |
| Arizona | 664 | 600 | 342 | 349 | 89 | 92 | 0 | 0 | 1,095 | 1,041 |
| Colorado | 289 | 256 | 202 | 208 | 109 | 113 | 1 | 1 | 600 | 578 |
| Idaho | 85 | 78 | 46 | 46 | 88 | 84 | 0 | 0 | 218 | 207 |
| Montana | 48 | 44 | 42 | 45 | 20 | 24 | 0 | 0 | 111 | 112 |
| Nevada | 212 | 213 | 95 | 104 | 78 | 78 | 0 | 0 | 385 | 395 |
| New Mexico | 118 | 99 | 96 | 93 | 48 | 45 | 0 | 0 | 262 | 236 |
| Utah | 134 | 126 | 94 | 98 | 54 | 54 | 0 | 0 | 283 | 278 |
| Wyoming | 27 | 26 | 28 | 31 | 51 | 57 | 0 | 0 | 106 | 114 |
| Pacific Contiguous | 2,554 | 2,177 | 2,423 | 2,399 | 942 | 882 | 6 | 7 | 5,924 | 5,465 |
| California | 2,104 | 1,781 | 2,098 | 2,064 | 779 | 708 | 5 | 6 | 4,986 | 4,559 |
| Oregon | 179 | 158 | 127 | 127 | 71 | 72 | 0 | 0 | 377 | 357 |
| Washington | 270 | 238 | 198 | 208 | 92 | 102 | 1 | 1 | 561 | 549 |
| Pacific Noncontiguous | 106 | 116 | 102 | 122 | 82 | 102 | 0 | 0 | 290 | 341 |
| Alaska | 35 | 34 | 40 | 44 | 19 | 18 | 0 | 0 | 94 | 96 |
| Hawaii | 71 | 83 | 62 | 78 | 63 | 84 | 0 | 0 | 196 | 244 |
| U.S. Total | 22,111 | 20,346 | 13,722 | 14,355 | 5,828 | 6,186 | 56 | 64 | 41,719 | 40,950 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

**Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2020 and 2019 (Million Dollars)**

| | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| Census Division and State | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 5,997 | 5,769 | 4,351 | 4,895 | 1,092 | 1,185 | 27 | 32 | 11,467 | 11,881 |
| Connecticut | 1,746 | 1,662 | 1,105 | 1,219 | 223 | 239 | 11 | 15 | 3,085 | 3,134 |
| Maine | 485 | 507 | 276 | 322 | 132 | 156 | 0 | 0 | 893 | 985 |
| Massachusetts | 2,589 | 2,480 | 2,130 | 2,412 | 458 | 492 | 14 | 13 | 5,191 | 5,397 |
| New Hampshire | 543 | 536 | 349 | 401 | 136 | 146 | 0 | 0 | 1,028 | 1,084 |
| Rhode Island | 388 | 374 | 318 | 360 | 59 | 65 | 2 | 3 | 767 | 802 |
| Vermont | 245 | 209 | 173 | 182 | 84 | 86 | 0 | 0 | 503 | 477 |
| Middle Atlantic | 12,521 | 12,220 | 9,882 | 10,754 | 2,575 | 2,771 | 210 | 255 | 25,187 | 26,000 |
| New Jersey | 2,763 | 2,706 | 2,499 | 2,736 | 371 | 404 | 14 | 16 | 5,647 | 5,862 |
| New York | 5,356 | 5,119 | 5,627 | 5,898 | 489 | 542 | 178 | 209 | 11,649 | 11,769 |
| Pennsylvania | 4,402 | 4,394 | 1,756 | 2,120 | 1,716 | 1,825 | 18 | 30 | 7,891 | 8,369 |
| East North Central | 15,093 | 14,553 | 9,949 | 10,748 | 6,448 | 7,373 | 24 | 29 | 31,515 | 32,703 |
| Illinois | 3,543 | 3,409 | 2,383 | 2,585 | 1,469 | 1,572 | 21 | 25 | 7,417 | 7,590 |
| Indiana | 2,357 | 2,368 | 1,386 | 1,485 | 1,493 | 1,772 | 1 | 1 | 5,238 | 5,626 |
| Michigan | 3,447 | 3,082 | 2,403 | 2,512 | 1,063 | 1,225 | 0 | 0 | 6,914 | 6,819 |
| Ohio | 3,733 | 3,790 | 2,347 | 2,656 | 1,433 | 1,740 | 1 | 2 | 7,513 | 8,188 |
| Wisconsin | 2,013 | 1,904 | 1,430 | 1,511 | 990 | 1,065 | 0 | 0 | 4,433 | 4,479 |
| West North Central | 7,541 | 7,351 | 5,398 | 5,741 | 3,614 | 3,761 | 2 | 3 | 16,556 | 16,855 |
| Iowa | 1,124 | 1,099 | 702 | 726 | 899 | 905 | 0 | 0 | 2,725 | 2,731 |
| Kansas | 1,013 | 985 | 862 | 903 | 415 | 461 | 0 | 0 | 2,290 | 2,349 |
| Minnesota | 1,794 | 1,736 | 1,298 | 1,392 | 848 | 933 | 1 | 1 | 3,942 | 4,063 |
| Missouri | 2,283 | 2,227 | 1,465 | 1,597 | 411 | 438 | 1 | 1 | 4,160 | 4,264 |
| Nebraska | 671 | 653 | 473 | 493 | 470 | 457 | 0 | 0 | 1,614 | 1,603 |
| North Dakota | 312 | 311 | 337 | 355 | 451 | 444 | 0 | 0 | 1,099 | 1,110 |
| South Dakota | 344 | 340 | 261 | 274 | 121 | 122 | 0 | 0 | 727 | 735 |
| South Atlantic | 25,092 | 25,362 | 15,619 | 17,114 | 4,628 | 5,073 | 56 | 64 | 45,395 | 47,613 |
| Delaware | 364 | 367 | 226 | 252 | 74 | 81 | 0 | 0 | 665 | 700 |
| District of Columbia | 178 | 196 | 477 | 565 | 10 | 10 | 17 | 20 | 682 | 791 |
| Florida | 8,333 | 8,410 | 4,682 | 5,220 | 658 | 726 | 3 | 4 | 13,677 | 14,360 |
| Georgia | 3,980 | 3,927 | 2,486 | 2,631 | 921 | 1,053 | 4 | 5 | 7,391 | 7,616 |
| Maryland | 2,103 | 2,181 | 1,506 | 1,711 | 151 | 168 | 22 | 25 | 3,783 | 4,085 |
| North Carolina | 3,902 | 3,987 | 2,314 | 2,489 | 884 | 953 | 1 | 1 | 7,100 | 7,430 |
| South Carolina | 2,249 | 2,261 | 1,204 | 1,294 | 830 | 920 | 0 | 0 | 4,284 | 4,475 |
| Virginia | 3,233 | 3,309 | 2,351 | 2,554 | 604 | 660 | 9 | 9 | 6,196 | 6,532 |
| West Virginia | 749 | 725 | 373 | 397 | 496 | 502 | 0 | 0 | 1,618 | 1,624 |
| East South Central | 7,768 | 7,862 | 5,239 | 5,629 | 2,886 | 3,206 | 0 | 0 | 15,893 | 16,697 |
| Alabama | 2,304 | 2,344 | 1,384 | 1,494 | 1,025 | 1,144 | 0 | 0 | 4,713 | 4,982 |
| Kentucky | 1,659 | 1,652 | 1,063 | 1,115 | 773 | 864 | 0 | 0 | 3,496 | 3,630 |
| Mississippi | 1,196 | 1,213 | 755 | 817 | 521 | 567 | 0 | 0 | 2,472 | 2,597 |
| Tennessee | 2,609 | 2,654 | 2,037 | 2,203 | 567 | 632 | 0 | 0 | 5,213 | 5,488 |
| West South Central | 14,414 | 14,061 | 8,429 | 8,851 | 5,376 | 5,814 | 7 | 7 | 28,226 | 28,734 |
| Arkansas | 1,076 | 1,034 | 533 | 583 | 526 | 588 | 0 | 0 | 2,135 | 2,205 |
| Louisiana | 1,626 | 1,656 | 1,119 | 1,228 | 921 | 1,057 | 1 | 1 | 3,667 | 3,942 |
| Oklahoma | 1,356 | 1,363 | 779 | 866 | 504 | 574 | 0 | 0 | 2,639 | 2,803 |
| Texas | 10,356 | 10,008 | 5,998 | 6,173 | 3,426 | 3,595 | 6 | 7 | 19,786 | 19,783 |
| Mountain | 7,254 | 6,784 | 5,138 | 5,377 | 2,931 | 3,047 | 9 | 10 | 15,333 | 15,218 |
| Arizona | 2,700 | 2,472 | 1,686 | 1,755 | 466 | 496 | 1 | 1 | 4,852 | 4,723 |
| Colorado | 1,443 | 1,340 | 1,149 | 1,207 | 666 | 672 | 5 | 6 | 3,263 | 3,224 |
| Idaho | 511 | 501 | 274 | 285 | 337 | 326 | 0 | 0 | 1,121 | 1,112 |
| Montana | 359 | 353 | 287 | 300 | 126 | 152 | 0 | 0 | 772 | 805 |
| Nevada | 904 | 871 | 515 | 541 | 369 | 414 | 0 | 0 | 1,789 | 1,826 |
| New Mexico | 542 | 491 | 506 | 519 | 285 | 272 | 0 | 0 | 1,333 | 1,281 |
| Utah | 606 | 566 | 530 | 563 | 319 | 317 | 3 | 3 | 1,458 | 1,448 |
| Wyoming | 190 | 191 | 191 | 208 | 364 | 398 | 0 | 0 | 745 | 797 |
| Pacific Contiguous | 13,678 | 12,675 | 12,423 | 12,704 | 4,703 | 4,457 | 42 | 45 | 30,845 | 29,881 |
| California | 10,295 | 9,362 | 10,213 | 10,369 | 3,661 | 3,341 | 35 | 38 | 24,203 | 23,110 |
| Oregon | 1,265 | 1,236 | 816 | 849 | 420 | 437 | 1 | 1 | 2,503 | 2,523 |
| Washington | 2,118 | 2,077 | 1,394 | 1,486 | 622 | 679 | 6 | 5 | 4,140 | 4,247 |
| Pacific Noncontiguous | 769 | 756 | 737 | 818 | 592 | 651 | 0 | 0 | 2,099 | 2,225 |
| Alaska | 280 | 260 | 296 | 313 | 123 | 119 | 0 | 0 | 699 | 692 |
| Hawaii | 489 | 496 | 440 | 506 | 470 | 532 | 0 | 0 | 1,400 | 1,534 |
| U.S. Total | 110,126 | 107,394 | 77,166 | 82,631 | 34,846 | 37,338 | 377 | 444 | 222,515 | 227,806 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

## Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, July 2020 and 2019 (Cents per Kilowatthour)

| | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| Census Division and State | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 20.65 | 20.29 | 15.90 | 15.86 | 12.88 | 12.59 | 8.22 | 8.25 | 17.79 | 17.33 |
| Connecticut | 22.05 | 21.06 | 16.90 | 16.02 | 13.80 | 13.34 | 12.57 | 11.28 | 19.32 | 18.25 |
| Maine | 16.84 | 17.90 | 11.95 | 12.56 | 9.00 | 8.89 | -- | -- | 13.53 | 13.53 |
| Massachusetts | 21.32 | 20.94 | 16.34 | 16.51 | 14.16 | 14.43 | 5.84 | 5.78 | 18.33 | 18.05 |
| New Hampshire | 18.33 | 19.41 | 14.43 | 15.30 | 12.48 | 12.57 | -- | -- | 16.01 | 16.64 |
| Rhode Island | 19.52 | 18.64 | 15.45 | 15.04 | 15.39 | 14.41 | 25.16 | 18.47 | 17.45 | 16.58 |
| Vermont | 19.01 | 17.18 | 16.13 | 15.80 | 11.14 | 10.86 | -- | -- | 16.20 | 15.07 |
| Middle Atlantic | 16.17 | 16.21 | 13.18 | 13.06 | 6.45 | 6.54 | 11.83 | 11.64 | 13.36 | 13.13 |
| New Jersey | 16.60 | 16.11 | 13.06 | 12.69 | 10.92 | 11.04 | 9.93 | 9.17 | 14.73 | 14.19 |
| New York | 18.73 | 18.63 | 15.84 | 15.27 | 5.61 | 5.69 | 12.69 | 12.85 | 16.03 | 15.43 |
| Pennsylvania | 13.30 | 13.83 | 8.23 | 8.86 | 6.13 | 6.26 | 7.95 | 6.88 | 9.79 | 9.99 |
| East North Central | 13.20 | 13.22 | 10.00 | 10.12 | 6.85 | 6.91 | 6.61 | 7.34 | 10.47 | 10.37 |
| Illinois | 11.99 | 11.99 | 8.59 | 8.92 | 6.38 | 6.26 | 6.39 | 7.16 | 9.46 | 9.41 |
| Indiana | 12.23 | 12.22 | 10.71 | 10.75 | 6.83 | 7.27 | 10.06 | 10.60 | 9.92 | 9.95 |
| Michigan | 16.34 | 16.42 | 11.69 | 11.45 | 7.80 | 7.39 | 10.90 | 11.24 | 12.84 | 12.40 |
| Ohio | 12.09 | 12.36 | 9.08 | 9.39 | 5.86 | 6.23 | 6.99 | 7.02 | 9.51 | 9.67 |
| Wisconsin | 14.53 | 14.41 | 11.21 | 11.33 | 8.55 | 8.22 | 15.05 | 13.90 | 11.72 | 11.43 |
| West North Central | 13.04 | 13.08 | 10.47 | 10.59 | 8.13 | 8.16 | 10.12 | 10.67 | 10.89 | 10.85 |
| Iowa | 14.74 | 14.56 | 11.89 | 11.92 | 8.41 | 8.34 | -- | -- | 11.30 | 11.17 |
| Kansas | 12.88 | 12.86 | 10.48 | 10.54 | 7.20 | 7.04 | -- | -- | 10.74 | 10.58 |
| Minnesota | 13.82 | 14.04 | 10.96 | 11.29 | 8.90 | 8.21 | 9.25 | 10.24 | 11.59 | 11.33 |
| Missouri | 12.58 | 12.72 | 10.10 | 10.31 | 7.28 | 7.85 | 11.14 | 11.14 | 11.00 | 11.15 |
| Nebraska | 11.67 | 11.24 | 9.55 | 9.26 | 8.28 | 8.82 | -- | -- | 9.88 | 9.82 |
| North Dakota | 11.89 | 12.33 | 9.68 | 9.71 | 7.88 | 8.60 | -- | -- | 9.33 | 9.73 |
| South Dakota | 12.32 | 12.26 | 9.80 | 9.62 | 8.08 | 7.98 | -- | -- | 10.43 | 10.22 |
| South Atlantic | 11.97 | 12.11 | 9.01 | 9.38 | 6.62 | 6.81 | 8.23 | 7.95 | 10.16 | 10.30 |
| Delaware | 11.90 | 12.21 | 8.64 | 9.30 | 6.78 | 7.44 | -- | -- | 9.96 | 10.37 |
| District of Columbia | 11.81 | 12.17 | 11.43 | 11.88 | 7.97 | 8.00 | 9.82 | 9.19 | 11.45 | 11.81 |
| Florida | 11.71 | 11.98 | 9.11 | 9.45 | 7.49 | 7.88 | 7.63 | 8.34 | 10.53 | 10.77 |
| Georgia | 12.67 | 12.52 | 9.60 | 10.04 | 6.58 | 7.00 | 6.59 | 7.16 | 10.53 | 10.59 |
| Maryland | 12.24 | 12.53 | 9.29 | 9.48 | 7.77 | 7.73 | 7.64 | 7.16 | 10.72 | 10.83 |
| North Carolina | 11.25 | 11.51 | 8.85 | 9.12 | 6.65 | 6.63 | 7.35 | 8.11 | 9.66 | 9.76 |
| South Carolina | 12.36 | 12.72 | 10.08 | 10.53 | 6.32 | 6.37 | -- | -- | 10.10 | 10.23 |
| Virginia | 12.28 | 12.16 | 7.62 | 8.07 | 6.38 | 7.01 | 9.51 | 8.22 | 9.53 | 9.74 |
| West Virginia | 11.69 | 11.50 | 8.71 | 8.63 | 6.17 | 5.88 | -- | -- | 8.80 | 8.45 |
| East South Central | 11.26 | 11.49 | 10.57 | 10.73 | 5.73 | 6.00 | -- | -- | 9.62 | 9.75 |
| Alabama | 12.69 | 12.93 | 11.67 | 11.77 | 6.39 | 6.43 | -- | -- | 10.48 | 10.45 |
| Kentucky | 10.55 | 10.65 | 9.76 | 9.80 | 5.16 | 5.46 | -- | -- | 8.65 | 8.70 |
| Mississippi | 10.90 | 11.31 | 9.98 | 10.34 | 5.65 | 6.00 | -- | -- | 9.18 | 9.44 |
| Tennessee | 10.77 | 10.96 | 10.54 | 10.74 | 5.50 | 6.02 | -- | -- | 9.81 | 10.06 |
| West South Central | 11.23 | 11.32 | 7.67 | 8.00 | 5.18 | 5.57 | 5.65 | 6.64 | 8.58 | 8.68 |
| Arkansas | 10.74 | 10.18 | 8.73 | 8.80 | 6.39 | 6.42 | 15.02 | 12.38 | 8.88 | 8.55 |
| Louisiana | 9.34 | 9.73 | 8.37 | 8.72 | 4.80 | 5.42 | 9.12 | 9.00 | 7.63 | 8.00 |
| Oklahoma | 10.12 | 10.48 | 7.87 | 8.39 | 4.76 | 5.33 | -- | -- | 8.04 | 8.41 |
| Texas | 11.82 | 11.90 | 7.45 | 7.75 | 5.18 | 5.53 | 5.43 | 6.47 | 8.82 | 8.88 |
| Mountain | 12.20 | 12.28 | 10.17 | 10.11 | 6.90 | 6.77 | 9.31 | 9.49 | 10.19 | 10.06 |
| Arizona | 12.70 | 12.74 | 11.21 | 11.25 | 7.20 | 7.25 | 11.00 | 10.96 | 11.51 | 11.46 |
| Colorado | 12.84 | 12.72 | 10.87 | 10.80 | 7.60 | 7.56 | 8.35 | 8.76 | 10.82 | 10.61 |
| Idaho | 10.81 | 10.58 | 8.11 | 7.85 | 7.24 | 6.69 | -- | -- | 8.53 | 8.07 |
| Montana | 12.09 | 12.03 | 10.81 | 10.73 | 5.12 | 5.39 | -- | -- | 9.33 | 9.19 |
| Nevada | 10.72 | 11.86 | 7.57 | 8.05 | 7.06 | 7.03 | 8.64 | 9.63 | 8.88 | 9.41 |
| New Mexico | 13.83 | 12.93 | 11.54 | 10.56 | 5.98 | 5.53 | -- | -- | 10.53 | 9.65 |
| Utah | 11.09 | 11.13 | 8.90 | 8.82 | 6.23 | 6.34 | 10.65 | 10.64 | 9.01 | 8.98 |
| Wyoming | 11.89 | 11.90 | 9.74 | 9.76 | 6.96 | 6.75 | -- | -- | 8.51 | 8.26 |
| Pacific Contiguous | 17.26 | 17.02 | 16.91 | 16.30 | 12.45 | 11.11 | 10.46 | 9.28 | 16.12 | 15.39 |
| California | 20.11 | 19.96 | 19.70 | 18.99 | 16.46 | 15.16 | 10.61 | 9.26 | 19.26 | 18.59 |
| Oregon | 11.30 | 11.19 | 9.02 | 8.89 | 6.42 | 6.31 | 9.49 | 9.19 | 9.20 | 8.98 |
| Washington | 9.85 | 9.72 | 8.72 | 8.59 | 5.35 | 4.80 | 9.89 | 9.42 | 8.32 | 7.83 |
| Pacific Noncontiguous | 27.05 | 28.84 | 23.98 | 25.04 | 21.27 | 23.74 | -- | -- | 24.11 | 25.78 |
| Alaska | 23.99 | 24.02 | 20.34 | 20.07 | 17.44 | 18.12 | -- | -- | 20.82 | 20.85 |
| Hawaii | 28.87 | 31.42 | 27.08 | 29.17 | 22.78 | 25.44 | -- | -- | 26.09 | 28.43 |
| U.S. Total | 13.26 | 13.29 | 10.89 | 11.01 | 7.17 | 7.19 | 10.16 | 9.88 | 11.13 | 11.06 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

## Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2020 and 2019 (Cents per Kilowatthour)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD | July 2020 YTD | July 2019 YTD |
| New England | 21.38 | 21.32 | 15.95 | 16.43 | 12.72 | 13.08 | 9.65 | 9.88 | 17.86 | 17.93 |
| Connecticut | 22.74 | 22.34 | 17.10 | 17.25 | 13.67 | 13.87 | 14.20 | 14.86 | 19.47 | 19.20 |
| Maine | 16.79 | 17.83 | 12.55 | 12.99 | 8.95 | 9.57 | -- | -- | 13.61 | 14.17 |
| Massachusetts | 22.30 | 22.22 | 16.03 | 16.64 | 13.97 | 14.52 | 7.12 | 6.65 | 18.29 | 18.46 |
| New Hampshire | 19.25 | 20.15 | 15.29 | 16.05 | 12.88 | 13.21 | -- | -- | 16.69 | 17.29 |
| Rhode Island | 21.66 | 21.58 | 16.01 | 16.97 | 15.57 | 15.98 | 21.25 | 18.93 | 18.41 | 18.75 |
| Vermont | 19.44 | 17.06 | 16.43 | 15.90 | 10.98 | 10.78 | -- | -- | 16.30 | 15.06 |
| Middle Atlantic | 15.81 | 15.69 | 12.27 | 12.06 | 6.36 | 6.61 | 11.24 | 11.22 | 12.46 | 12.31 |
| New Jersey | 15.98 | 16.13 | 12.46 | 12.42 | 10.10 | 10.44 | 8.94 | 8.85 | 13.71 | 13.68 |
| New York | 18.05 | 17.73 | 14.08 | 13.71 | 5.40 | 5.59 | 12.07 | 12.37 | 14.53 | 14.13 |
| Pennsylvania | 13.65 | 13.64 | 8.55 | 8.78 | 6.18 | 6.44 | 7.54 | 7.44 | 9.77 | 9.83 |
| East North Central | 13.36 | 13.31 | 10.12 | 10.20 | 6.67 | 6.93 | 6.82 | 7.27 | 10.22 | 10.17 |
| Illinois | 12.86 | 12.82 | 8.94 | 8.98 | 6.43 | 6.48 | 6.67 | 7.11 | 9.59 | 9.49 |
| Indiana | 12.26 | 12.36 | 10.83 | 10.81 | 6.82 | 7.38 | 10.44 | 11.01 | 9.71 | 9.88 |
| Michigan | 16.20 | 15.60 | 11.67 | 11.36 | 7.56 | 7.25 | 11.09 | 10.52 | 12.36 | 11.60 |
| Ohio | 11.94 | 12.31 | 9.29 | 9.81 | 5.74 | 6.35 | 6.42 | 7.13 | 9.22 | 9.60 |
| Wisconsin | 14.74 | 14.56 | 11.03 | 11.02 | 7.69 | 7.72 | 14.67 | 13.89 | 11.23 | 11.04 |
| West North Central | 11.97 | 11.83 | 9.71 | 9.67 | 7.27 | 7.38 | 8.35 | 8.75 | 9.84 | 9.77 |
| Iowa | 13.04 | 12.86 | 10.43 | 10.22 | 6.59 | 6.66 | -- | -- | 9.40 | 9.34 |
| Kansas | 12.73 | 12.62 | 10.35 | 10.16 | 7.12 | 7.28 | -- | -- | 10.36 | 10.20 |
| Minnesota | 13.29 | 13.30 | 10.50 | 10.56 | 7.97 | 7.87 | 9.27 | 9.81 | 10.79 | 10.66 |
| Missouri | 11.02 | 10.83 | 8.91 | 8.97 | 6.47 | 6.73 | 7.54 | 7.62 | 9.56 | 9.50 |
| Nebraska | 10.83 | 10.65 | 9.08 | 8.94 | 7.66 | 7.80 | -- | -- | 9.20 | 9.16 |
| North Dakota | 10.31 | 10.27 | 8.97 | 9.01 | 8.12 | 8.46 | -- | -- | 8.92 | 9.09 |
| South Dakota | 11.54 | 11.34 | 9.41 | 9.35 | 7.81 | 7.76 | -- | -- | 9.94 | 9.81 |
| South Atlantic | 11.83 | 11.96 | 9.12 | 9.40 | 6.11 | 6.34 | 7.96 | 8.02 | 9.87 | 10.03 |
| Delaware | 12.69 | 12.58 | 9.47 | 9.80 | 6.93 | 7.60 | -- | -- | 10.50 | 10.68 |
| District of Columbia | 12.50 | 13.04 | 11.95 | 12.18 | 8.12 | 8.31 | 9.72 | 10.14 | 11.94 | 12.25 |
| Florida | 11.41 | 11.91 | 9.02 | 9.53 | 7.06 | 7.72 | 7.63 | 8.26 | 10.18 | 10.65 |
| Georgia | 11.80 | 11.65 | 9.76 | 9.71 | 5.43 | 5.76 | 5.05 | 5.37 | 9.70 | 9.62 |
| Maryland | 13.06 | 13.26 | 9.82 | 10.17 | 7.72 | 7.81 | 7.53 | 7.44 | 11.23 | 11.42 |
| North Carolina | 11.46 | 11.53 | 8.73 | 8.79 | 6.10 | 6.14 | 7.85 | 8.23 | 9.46 | 9.47 |
| South Carolina | 12.54 | 12.59 | 10.20 | 10.27 | 5.80 | 5.91 | -- | -- | 9.72 | 9.70 |
| Virginia | 12.24 | 11.98 | 7.88 | 8.28 | 6.50 | 6.95 | 8.78 | 8.19 | 9.44 | 9.60 |
| West Virginia | 11.56 | 10.96 | 9.24 | 8.98 | 6.05 | 5.96 | -- | -- | 8.65 | 8.35 |
| East South Central | 11.37 | 11.40 | 10.75 | 10.71 | 5.51 | 5.77 | -- | -- | 9.38 | 9.43 |
| Alabama | 12.67 | 12.71 | 11.60 | 11.59 | 5.80 | 5.99 | -- | -- | 9.86 | 9.88 |
| Kentucky | 10.75 | 10.63 | 10.19 | 9.95 | 5.12 | 5.40 | -- | -- | 8.53 | 8.49 |
| Mississippi | 11.32 | 11.42 | 10.49 | 10.57 | 5.67 | 5.93 | -- | -- | 9.17 | 9.31 |
| Tennessee | 10.81 | 10.89 | 10.62 | 10.63 | 5.44 | 5.81 | -- | -- | 9.70 | 9.81 |
| West South Central | 11.24 | 11.21 | 7.84 | 8.05 | 5.02 | 5.31 | 6.57 | 6.68 | 8.23 | 8.33 |
| Arkansas | 10.34 | 9.82 | 8.60 | 8.73 | 5.60 | 5.94 | 11.75 | 11.88 | 8.21 | 8.14 |
| Louisiana | 9.27 | 9.51 | 8.58 | 8.84 | 4.66 | 5.26 | 8.58 | 9.27 | 7.28 | 7.67 |
| Oklahoma | 9.84 | 10.02 | 7.47 | 7.72 | 4.34 | 4.96 | -- | -- | 7.37 | 7.70 |
| Texas | 11.97 | 11.93 | 7.70 | 7.89 | 5.17 | 5.29 | 6.44 | 6.49 | 8.57 | 8.60 |
| Mountain | 11.86 | 11.93 | 9.53 | 9.58 | 6.10 | 6.29 | 9.27 | 9.41 | 9.39 | 9.42 |
| Arizona | 12.52 | 12.67 | 10.33 | 10.49 | 5.93 | 6.35 | 9.43 | 9.89 | 10.61 | 10.72 |
| Colorado | 12.29 | 12.26 | 10.21 | 10.19 | 7.16 | 7.30 | 8.55 | 8.93 | 10.09 | 10.07 |
| Idaho | 9.95 | 9.99 | 7.71 | 7.76 | 6.25 | 6.23 | -- | -- | 7.97 | 7.99 |
| Montana | 11.49 | 11.21 | 10.56 | 10.37 | 4.78 | 5.52 | -- | -- | 9.11 | 9.15 |
| Nevada | 11.43 | 11.99 | 7.52 | 7.84 | 5.39 | 5.75 | 8.32 | 8.08 | 8.28 | 8.55 |
| New Mexico | 12.83 | 12.59 | 10.17 | 9.90 | 5.45 | 5.49 | -- | -- | 9.23 | 9.09 |
| Utah | 10.53 | 10.48 | 8.47 | 8.37 | 5.83 | 5.99 | 10.77 | 10.59 | 8.33 | 8.30 |
| Wyoming | 11.07 | 11.13 | 9.66 | 9.70 | 6.82 | 6.65 | -- | -- | 8.25 | 8.09 |
| Pacific Contiguous | 16.16 | 15.57 | 14.59 | 14.01 | 10.12 | 9.41 | 9.34 | 8.71 | 14.23 | 13.58 |
| California | 20.09 | 19.35 | 16.91 | 16.17 | 13.71 | 12.73 | 9.25 | 8.60 | 17.45 | 16.60 |
| Oregon | 11.05 | 10.92 | 9.01 | 8.92 | 6.06 | 6.28 | 9.41 | 9.15 | 9.12 | 9.07 |
| Washington | 9.65 | 9.57 | 8.89 | 8.73 | 4.84 | 4.79 | 9.90 | 9.40 | 8.19 | 8.02 |
| Pacific Noncontiguous | 27.53 | 28.48 | 24.71 | 25.25 | 22.73 | 24.00 | -- | -- | 25.04 | 25.85 |
| Alaska | 22.78 | 22.63 | 19.86 | 19.99 | 16.70 | 17.23 | -- | -- | 20.23 | 20.32 |
| Hawaii | 31.25 | 32.93 | 29.57 | 30.15 | 25.10 | 26.31 | -- | -- | 28.41 | 29.47 |
| U.S. Total | 13.10 | 13.04 | 10.55 | 10.61 | 6.60 | 6.77 | 9.71 | 9.77 | 10.58 | 10.55 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

## Table 5.7. Number of Ultimate Customers Served by Sector: 2010 - July 2020

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| Annual Totals | | | | | |
| 2010 | 125,717,935 | 17,674,338 | 747,747 | 239 | 144,140,259 |
| 2011 | 126,143,072 | 17,638,062 | 727,920 | 92 | 144,509,146 |
| 2012 | 126,832,343 | 17,729,029 | 732,385 | 83 | 145,293,840 |
| 2013 | 127,777,153 | 17,679,562 | 831,790 | 75 | 146,288,580 |
| 2014 | 128,680,416 | 17,853,995 | 839,212 | 79 | 147,373,702 |
| 2015 | 129,811,718 | 17,985,690 | 835,536 | 78 | 148,633,022 |
| 2016 | 131,068,760 | 18,148,353 | 838,059 | 86 | 150,055,258 |
| 2017 | 132,579,747 | 18,359,427 | 840,329 | 86 | 151,779,589 |
| 2018 | 133,893,321 | 18,605,393 | 840,321 | 83 | 153,339,118 |
| 2019 | 135,281,297 | 18,628,622 | 915,863 | 82 | 154,825,863 |
| Year 2018 | | | | | |
| January | 133,302,446 | 18,552,003 | 838,797 | 82 | 152,693,328 |
| February | 132,923,513 | 18,440,673 | 811,940 | 82 | 152,176,208 |
| March | 133,852,602 | 18,574,947 | 822,275 | 82 | 153,249,906 |
| April | 133,417,773 | 18,526,543 | 824,075 | 82 | 152,768,473 |
| May | 134,121,801 | 18,613,438 | 851,023 | 82 | 153,586,344 |
| June | 133,935,311 | 18,615,355 | 858,759 | 83 | 153,409,508 |
| July | 133,883,159 | 18,623,955 | 860,910 | 83 | 153,368,107 |
| August | 134,433,813 | 18,686,099 | 866,859 | 83 | 153,986,854 |
| Sept | 133,791,062 | 18,594,023 | 844,187 | 83 | 153,229,355 |
| October | 134,377,594 | 18,717,481 | 844,839 | 83 | 153,939,997 |
| November | 134,155,451 | 18,636,211 | 823,868 | 83 | 153,615,613 |
| December | 134,524,109 | 18,682,871 | 835,705 | 83 | 154,042,768 |
| Year 2019 | | | | | |
| January | 134,972,174 | 18,580,112 | 897,450 | 82 | 154,449,818 |
| February | 133,461,982 | 18,478,289 | 879,263 | 82 | 152,819,616 |
| March | 135,217,902 | 18,574,930 | 884,470 | 82 | 154,677,384 |
| April | 134,971,489 | 18,578,316 | 893,513 | 83 | 154,443,401 |
| May | 135,484,211 | 18,649,646 | 914,451 | 80 | 155,048,388 |
| June | 135,133,768 | 18,574,956 | 920,845 | 82 | 154,629,651 |
| July | 135,511,673 | 18,673,405 | 947,372 | 82 | 155,132,532 |
| August | 135,592,324 | 18,660,912 | 942,782 | 81 | 155,196,099 |
| Sept | 135,276,670 | 18,628,637 | 934,919 | 81 | 154,840,307 |
| October | 136,222,066 | 18,757,776 | 936,342 | 81 | 155,916,265 |
| November | 135,280,702 | 18,639,325 | 909,876 | 82 | 154,829,985 |
| December | 136,250,600 | 18,747,157 | 929,076 | 82 | 155,926,915 |
| Year 2020 | | | | | |
| January | 136,144,897 | 18,680,499 | 935,087 | 82 | 155,760,565 |
| February | 135,425,123 | 18,619,364 | 919,229 | 82 | 154,963,798 |
| March | 136,675,134 | 18,790,316 | 936,499 | 82 | 156,402,031 |
| April | 136,648,590 | 18,747,305 | 942,664 | 82 | 156,338,641 |
| May | 136,518,264 | 18,708,151 | 942,835 | 83 | 156,169,333 |
| June | 137,060,642 | 18,779,952 | 964,619 | 83 | 156,805,296 |
| July | 137,767,461 | 18,831,898 | 977,659 | 82 | 157,577,100 |
| Rolling 12 Months Ending in July | | | | | |
| 2019 | 134,669,602 | 18,618,862 | 879,402 | 82 | 154,167,948 |
| 2020 | 136,238,539 | 18,715,941 | 939,299 | 82 | 155,893,861 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2018 and prior years are final. Values for 2020 and 2019 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

## Table 5.8. Number of Ultimate Customers Served by Sector by State: July 2020 and 2019

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation | | All Sectors | |
|---|---|---|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 6,501,582 | 6,455,281 | 902,185 | 906,333 | 19,237 | 19,832 | 6 | 6 | 7,423,010 | 7,381,452 |
| Connecticut | 1,524,477 | 1,512,006 | 155,562 | 154,548 | 4,088 | 4,162 | 3 | 3 | 1,684,130 | 1,670,719 |
| Maine | 730,647 | 727,580 | 97,987 | 100,943 | 2,715 | 2,880 | 0 | 0 | 831,349 | 831,403 |
| Massachusetts | 2,859,623 | 2,824,659 | 420,939 | 423,071 | 7,523 | 7,721 | 2 | 2 | 3,288,087 | 3,255,453 |
| New Hampshire | 635,174 | 634,098 | 109,573 | 109,395 | 3,131 | 3,162 | 0 | 0 | 747,878 | 746,655 |
| Rhode Island | 432,204 | 439,027 | 58,508 | 60,519 | 1,638 | 1,767 | 1 | 1 | 492,351 | 501,314 |
| Vermont | 319,457 | 317,911 | 59,616 | 57,857 | 142 | 140 | 0 | 0 | 379,215 | 375,908 |
| Middle Atlantic | 16,339,568 | 16,270,060 | 2,386,839 | 2,364,380 | 32,858 | 33,115 | 19 | 20 | 18,759,284 | 18,667,575 |
| New Jersey | 3,622,576 | 3,610,793 | 522,570 | 521,945 | 11,367 | 11,741 | 6 | 7 | 4,156,519 | 4,144,486 |
| New York | 7,245,050 | 7,234,488 | 1,142,437 | 1,123,988 | 6,430 | 6,577 | 8 | 8 | 8,393,925 | 8,365,061 |
| Pennsylvania | 5,471,942 | 5,424,779 | 721,832 | 718,447 | 15,061 | 14,797 | 5 | 5 | 6,208,840 | 6,158,028 |
| East North Central | 20,611,776 | 20,378,031 | 2,545,289 | 2,523,986 | 47,450 | 46,896 | 11 | 10 | 23,204,526 | 22,948,923 |
| Illinois | 5,376,392 | 5,332,223 | 626,732 | 620,936 | 4,013 | 3,996 | 3 | 3 | 6,007,140 | 5,957,158 |
| Indiana | 2,936,078 | 2,884,121 | 362,742 | 358,996 | 15,914 | 15,209 | 1 | 1 | 3,314,735 | 3,258,327 |
| Michigan | 4,461,226 | 4,412,487 | 554,567 | 550,661 | NM | NM | 2 | 2 | 5,021,418 | 4,968,779 |
| Ohio | 5,061,767 | 5,003,201 | 636,646 | 632,696 | 16,917 | 17,015 | 3 | 2 | 5,715,333 | 5,652,914 |
| Wisconsin | 2,776,313 | 2,745,999 | 364,602 | 360,697 | NM | NM | 2 | 2 | 3,145,900 | 3,111,745 |
| West North Central | 9,771,208 | 9,650,128 | 1,491,005 | 1,479,835 | 117,689 | 117,066 | 3 | 3 | 11,379,905 | 11,247,032 |
| Iowa | 1,427,582 | 1,410,056 | 249,942 | 248,182 | NM | NM | 0 | 0 | 1,684,457 | 1,665,206 |
| Kansas | 1,304,726 | 1,290,041 | 237,974 | 236,250 | 25,637 | 26,053 | 0 | 0 | 1,568,337 | 1,552,344 |
| Minnesota | 2,472,523 | 2,443,615 | 297,165 | 295,145 | NM | NM | 1 | 1 | 2,778,287 | 2,747,276 |
| Missouri | 2,885,069 | 2,839,373 | 390,263 | 386,381 | 6,493 | 6,578 | 2 | 2 | 3,281,827 | 3,232,334 |
| Nebraska | 882,060 | 871,041 | 164,211 | 163,112 | 57,822 | 56,911 | 0 | 0 | 1,104,093 | 1,091,064 |
| North Dakota | 385,740 | 387,056 | 75,364 | 75,375 | 9,038 | 8,920 | 0 | 0 | 470,142 | 471,351 |
| South Dakota | 413,508 | 408,946 | 76,086 | 75,390 | NM | NM | 0 | 0 | 492,762 | 487,457 |
| South Atlantic | 28,878,760 | 28,336,833 | 3,866,984 | 3,827,484 | 79,194 | 79,591 | 13 | 13 | 32,824,951 | 32,243,921 |
| Delaware | 443,492 | 435,762 | 56,137 | 55,514 | 542 | 573 | 0 | 0 | 500,171 | 491,849 |
| District of Columbia | 291,118 | 282,666 | 26,711 | 26,479 | 1 | 1 | 3 | 3 | 317,833 | 309,149 |
| Florida | 9,684,953 | 9,476,389 | 1,259,164 | 1,243,218 | 20,667 | 20,669 | 2 | 2 | 10,964,786 | 10,740,278 |
| Georgia | 4,545,038 | 4,459,857 | 593,509 | 588,543 | 19,949 | 20,082 | 1 | 1 | 5,158,497 | 5,068,483 |
| Maryland | 2,382,855 | 2,355,045 | 256,351 | 255,696 | 8,823 | 8,802 | 5 | 5 | 2,648,034 | 2,619,548 |
| North Carolina | 4,743,323 | 4,650,278 | 713,938 | 706,131 | 9,785 | 9,858 | 1 | 1 | 5,467,047 | 5,366,268 |
| South Carolina | 2,396,405 | 2,344,843 | 377,664 | 373,628 | 4,255 | 4,276 | 0 | 0 | 2,778,324 | 2,722,747 |
| Virginia | 3,528,935 | 3,477,299 | 436,824 | 433,180 | 3,837 | 3,847 | 1 | 1 | 3,969,597 | 3,914,327 |
| West Virginia | 862,641 | 854,694 | 146,686 | 145,095 | 11,335 | 11,483 | 0 | 0 | 1,020,662 | 1,011,272 |
| East South Central | 8,784,395 | 8,569,552 | 1,436,775 | 1,417,143 | 21,551 | 21,851 | 0 | 0 | 10,242,721 | 10,008,546 |
| Alabama | 2,319,406 | 2,283,341 | 374,120 | 371,674 | 8,218 | 8,263 | 0 | 0 | 2,701,744 | 2,663,278 |
| Kentucky | 2,053,196 | 2,017,131 | 311,089 | 308,305 | 5,324 | 5,429 | 0 | 0 | 2,369,609 | 2,330,865 |
| Mississippi | 1,353,162 | 1,330,778 | 239,918 | 240,280 | 7,129 | 7,312 | 0 | 0 | 1,600,209 | 1,578,370 |
| Tennessee | 3,058,631 | 2,938,302 | 511,648 | 496,884 | 880 | 847 | 0 | 0 | 3,571,159 | 3,436,033 |
| West South Central | 16,740,151 | 16,418,244 | 2,246,925 | 2,241,166 | 351,668 | 323,566 | 6 | 6 | 19,338,750 | 18,982,982 |
| Arkansas | 1,431,651 | 1,409,631 | 195,297 | 194,014 | 40,837 | 40,885 | 2 | 2 | 1,667,787 | 1,644,532 |
| Louisiana | 2,150,646 | 2,129,315 | 297,863 | 296,329 | 18,671 | 18,804 | 1 | 1 | 2,467,181 | 2,444,449 |
| Oklahoma | 1,834,936 | 1,807,165 | 291,107 | 286,930 | 19,247 | 19,663 | 0 | 0 | 2,145,290 | 2,113,758 |
| Texas | 11,322,918 | 11,072,133 | 1,462,658 | 1,463,893 | 272,913 | 244,214 | 3 | 3 | 13,058,492 | 12,780,243 |
| Mountain | 10,145,761 | 9,970,296 | 1,427,899 | 1,413,449 | 92,645 | 93,005 | 5 | 5 | 11,666,310 | 11,476,755 |
| Arizona | 2,887,492 | 2,832,766 | 330,103 | 327,795 | NM | NM | 2 | 2 | 3,223,536 | 3,167,009 |
| Colorado | 2,400,743 | 2,366,316 | 373,036 | 368,912 | NM | NM | 1 | 1 | 2,788,780 | 2,750,163 |
| Idaho | 781,059 | 761,764 | 114,654 | 112,441 | 29,224 | 29,011 | 0 | 0 | 924,937 | 903,216 |
| Montana | 527,225 | 519,415 | 113,927 | 112,551 | NM | NM | 0 | 0 | 651,091 | 641,789 |
| Nevada | 1,227,361 | 1,204,957 | 168,341 | 166,075 | NM | NM | 1 | 1 | 1,399,195 | 1,374,561 |
| New Mexico | 921,262 | 911,031 | 140,721 | 140,486 | NM | NM | 0 | 0 | 1,070,387 | 1,060,238 |
| Utah | 1,120,814 | 1,097,231 | 127,672 | 125,779 | 10,701 | 10,592 | 1 | 1 | 1,259,188 | 1,233,603 |
| Wyoming | 279,805 | 276,816 | 59,445 | 59,410 | 9,946 | 9,950 | 0 | 0 | 349,196 | 346,176 |
| Pacific Contiguous | 19,259,866 | 18,733,750 | 2,412,767 | 2,384,729 | 213,112 | 210,203 | 19 | 19 | 21,885,764 | 21,328,701 |
| California | 14,282,308 | 13,824,506 | 1,760,394 | 1,739,255 | 156,251 | 153,608 | 12 | 12 | 16,198,965 | 15,717,381 |
| Oregon | 1,808,860 | 1,783,153 | 244,401 | 242,062 | 27,142 | 27,078 | 2 | 2 | 2,080,405 | 2,052,295 |
| Washington | 3,168,698 | 3,126,091 | 407,972 | 403,412 | 29,719 | 29,517 | 5 | 5 | 3,606,394 | 3,559,025 |
| Pacific Noncontiguous | 734,394 | 729,498 | 115,230 | 114,900 | NM | NM | 0 | 0 | 851,879 | 846,645 |
| Alaska | 293,838 | 291,436 | 55,385 | 54,946 | NM | NM | 0 | 0 | 350,662 | 347,815 |
| Hawaii | 440,556 | 438,062 | 59,845 | 59,954 | 816 | 814 | 0 | 0 | 501,217 | 498,830 |
| U.S. Total | 137,767,461 | 135,511,673 | 18,831,898 | 18,673,405 | 977,659 | 947,372 | 82 | 82 | 157,577,100 | 155,132,532 |

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
NM = Not Meaningful due to large relative standard error or excessive percentage change.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

# Chapter 6

# Capacity

## Table 6.1. Electric Generating Summer Capacity Changes (MW), June 2020 to July 2020

| | | As of End of June 2020 | Activity During July 2020 as Reported to EIA | | As of End of July 2020 | Net Change in Capacity - Current Month and Prior Periods | | | Changes in and Total Net Summer Capacity -- Outlook Based on Reports to EIA | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Planned Capacity Additions | | Reductions | | Planned Net Change | | Capacity | |
| Technology | Capacity Source | Total In-Service Capacity | Actual Capacity Additions | Actual Capacity Reductions | Total In-Service Capacity | Current Month | Year to Date | Past 12 Months | Next Month | Next 12 Months | Next Month | Next 12 Months | Next Month | Next 12 Months | At End of Next Month | At End of Next 12 Months |
| ..... *Onshore Wind (Summer Capacity)* | *Utility Scale Facilities* | *107,643.5* | *222.4* | *1.8* | *107,864.1* | *220.6* | *4,308.9* | *9,506.1* | *880.7* | *20,989.2* | *0.0* | *0.0* | *880.7* | *20,989.2* | *108,744.8* | *128,853.3* |
| ..... *Offshore Wind (Summer Capacity)* | *Utility Scale Facilities* | *29.3* | *0.0* | *0.0* | *29.3* | *0.0* | *0.0* | *0.0* | *0.0* | *12.0* | *0.0* | *0.0* | *0.0* | *12.0* | *29.3* | *41.3* |
| ..... Wind (Summer Capacity) | Utility Scale Facilities | 107,672.8 | 222.4 | 1.8 | 107,893.4 | 220.6 | 4,308.9 | 9,506.1 | 880.7 | 21,001.2 | 0.0 | 0.0 | 880.7 | 21,001.2 | 108,774.1 | 128,894.6 |
| ..... *Solar Photovoltaic* | *Utility Scale Facilities* | *39,704.3* | *432.4* | *55.0* | *40,081.7* | *377.4* | *4,510.5* | *8,027.8* | *664.9* | *13,562.0* | *0.0* | *0.0* | *664.9* | *13,562.0* | *40,746.6* | *53,643.7* |
| ..... *Solar Thermal without Energy Storage* | *Utility Scale Facilities* | *1,352.5* | *0.0* | *0.0* | *1,352.5* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *1,352.5* | *1,352.5* |
| ..... *Solar Thermal with Energy Storage* | *Utility Scale Facilities* | *405.6* | *0.0* | *0.0* | *405.6* | *0.0* | *0.2* | *0.2* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *405.6* | *405.6* |
| ..... Solar Subtotal | Utility Scale Facilities | 41,462.4 | 432.4 | 55.0 | 41,839.8 | 377.4 | 4,510.7 | 8,028.0 | 664.9 | 13,562.0 | 0.0 | 0.0 | 664.9 | 13,562.0 | 42,504.7 | 55,401.8 |
| ..... Conventional Hydroelectric | Utility Scale Facilities | 79,682.2 | 128.1 | 0.0 | 79,810.3 | 128.1 | 64.0 | -70.2 | 0.0 | 241.9 | 0.0 | 3.4 | 0.0 | 238.5 | 79,810.3 | 80,048.8 |
| ..... *Wood/Wood Waste Biomass* | *Utility Scale Facilities* | *8,372.3* | *10.7* | *0.0* | *8,383.0* | *10.7* | *-105.9* | *-129.2* | *0.0* | *0.0* | *0.0* | *20.0* | *0.0* | *-20.0* | *8,383.0* | *8,363.0* |
| ..... *Landfill Gas* | *Utility Scale Facilities* | *1,912.3* | *0.0* | *0.0* | *1,912.3* | *0.0* | *-123.6* | *-137.7* | *0.0* | *3.4* | *0.0* | *0.0* | *0.0* | *3.4* | *1,912.3* | *1,915.7* |
| ..... *Municipal Solid Waste* | *Utility Scale Facilities* | *2,125.7* | *0.0* | *5.0* | *2,120.7* | *-5.0* | *-68.6* | *-68.6* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *2,120.7* | *2,120.7* |
| ..... *Other Waste Biomass* | *Utility Scale Facilities* | *623.8* | *0.0* | *0.0* | *623.8* | *0.0* | *-110.2* | *-113.0* | *14.0* | *52.8* | *0.0* | *0.0* | *14.0* | *52.8* | *637.8* | *676.6* |
| ..... Biomass Sources Subtotal | Utility Scale Facilities | 13,034.1 | 10.7 | 5.0 | 13,039.8 | 5.7 | -408.3 | -448.5 | 14.0 | 56.2 | 0.0 | 20.0 | 14.0 | 36.2 | 13,053.8 | 13,076.0 |
| ..... Geothermal | Utility Scale Facilities | 2,555.4 | 0.0 | 0.0 | 2,555.4 | 0.0 | 96.3 | 96.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,555.4 | 2,555.4 |
| ***... Renewable Sources Subtotal*** | ***Utility Scale Facilities*** | ***244,406.9*** | ***793.6*** | ***61.8*** | ***245,138.7*** | ***731.8*** | ***8,571.6*** | ***17,111.7*** | ***1,559.6*** | ***34,861.3*** | ***0.0*** | ***23.4*** | ***1,559.6*** | ***34,837.9*** | ***246,698.3*** | ***279,976.6*** |
| ..... *Natural Gas Fired Combined Cycle* | *Utility Scale Facilities* | *275,979.9* | *14.1* | *59.9* | *275,934.1* | *-45.8* | *5,397.5* | *6,901.0* | *0.0* | *3,551.4* | *0.0* | *65.0* | *0.0* | *3,486.4* | *275,934.1* | *279,420.5* |
| ..... *Natural Gas Fired Combustion Turbine* | *Utility Scale Facilities* | *129,023.1* | *221.7* | *31.0* | *129,213.8* | *190.7* | *337.0* | *251.2* | *1.0* | *1,749.3* | *0.0* | *43.0* | *1.0* | *1,706.3* | *129,214.8* | *130,920.1* |
| ..... *Natural Gas Steam Turbine* | *Utility Scale Facilities* | *70,736.6* | *33.2* | *34.0* | *70,735.8* | *-0.8* | *-1,216.5* | *-2,945.3* | *0.0* | *18.2* | *0.0* | *296.1* | *0.0* | *-277.9* | *70,735.8* | *70,457.9* |
| ..... *Natural Gas Internal Combustion Engine* | *Utility Scale Facilities* | *5,150.2* | *0.0* | *0.0* | *5,150.2* | *0.0* | *218.9* | *244.8* | *5.0* | *90.6* | *0.0* | *20.0* | *5.0* | *70.6* | *5,155.2* | *5,220.8* |
| ..... *Natural Gas with Compressed Air Storage* | *Utility Scale Facilities* | *110.0* | *0.0* | *0.0* | *110.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *110.0* | *110.0* |
| ..... *Other Natural Gas* | *Utility Scale Facilities* | *235.7* | *0.2* | *2.6* | *233.3* | *-2.4* | *55.5* | *58.3* | *0.0* | *37.4* | *0.0* | *0.0* | *0.0* | *37.4* | *233.3* | *270.7* |
| ..... Natural Gas Subtotal | Utility Scale Facilities | 481,235.5 | 269.2 | 127.5 | 481,377.2 | 141.7 | 4,792.4 | 4,510.0 | 6.0 | 5,446.9 | 0.0 | 424.1 | 6.0 | 5,022.8 | 481,383.2 | 486,400.0 |
| ..... *Conventional Steam Coal* | *Utility Scale Facilities* | *222,803.6* | *0.0* | *0.0* | *222,803.6* | *0.0* | *-5,681.8* | *-11,445.8* | *0.0* | *39.0* | *519.0* | *5,993.4* | *-519.0* | *-5,954.4* | *222,284.6* | *216,849.2* |
| ..... *Coal Integrated Gasification Combined Cycle* | *Utility Scale Facilities* | *756.0* | *0.0* | *0.0* | *756.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *756.0* | *756.0* |
| ..... Coal Subtotal | Utility Scale Facilities | 223,559.6 | 0.0 | 0.0 | 223,559.6 | 0.0 | -5,681.8 | -11,445.8 | 0.0 | 39.0 | 519.0 | 5,993.4 | -519.0 | -5,954.4 | 223,040.6 | 217,605.2 |
| ..... Petroleum Coke | Utility Scale Facilities | 1,384.9 | 0.0 | 0.0 | 1,384.9 | 0.0 | -80.3 | -147.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,384.9 | 1,384.9 |
| ..... Petroleum Liquids | Utility Scale Facilities | 29,760.8 | 6.7 | 1.8 | 29,765.7 | 4.9 | -866.6 | -889.5 | 0.0 | 5.4 | 0.0 | 832.7 | 0.0 | -827.3 | 29,765.7 | 28,938.4 |
| ..... Other Gases | Utility Scale Facilities | 2,522.0 | 0.0 | 14.8 | 2,507.2 | -14.8 | -41.7 | -41.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,507.2 | 2,507.2 |
| ***... Fossil Fuels Subtotal*** | ***Utility Scale Facilities*** | ***738,462.8*** | ***275.9*** | ***144.1*** | ***738,594.6*** | ***131.8*** | ***-1,878.0*** | ***-8,014.3*** | ***6.0*** | ***5,491.3*** | ***519.0*** | ***7,250.2*** | ***-513.0*** | ***-1,758.9*** | ***738,081.6*** | ***736,835.7*** |
| ..... Hydroelectric Pumped Storage | Utility Scale Facilities | 22,700.3 | 95.0 | 0.0 | 22,795.3 | 95.0 | -82.9 | -82.9 | 0.0 | 280.3 | 0.0 | 0.0 | 0.0 | 280.3 | 22,795.3 | 23,075.6 |
| ..... Flywheels | Utility Scale Facilities | 47.0 | 0.0 | 0.0 | 47.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.0 | 47.0 |
| ..... Batteries | Utility Scale Facilities | 1,059.4 | 256.3 | 0.0 | 1,315.7 | 256.3 | 300.5 | 338.3 | 18.3 | 2,352.1 | 0.0 | 0.0 | 18.3 | 2,352.1 | 1,334.0 | 3,667.8 |
| ***... Energy Storage Subtotal*** | ***Utility Scale Facilities*** | ***23,806.7*** | ***351.3*** | ***0.0*** | ***24,158.0*** | ***351.3*** | ***217.6*** | ***255.4*** | ***18.3*** | ***2,632.4*** | ***0.0*** | ***0.0*** | ***18.3*** | ***2,632.4*** | ***24,176.3*** | ***26,790.4*** |
| ***... Nuclear*** | ***Utility Scale Facilities*** | ***97,120.9*** | ***0.0*** | ***0.0*** | ***97,120.9*** | ***0.0*** | ***-949.3*** | ***-1,752.1*** | ***0.0*** | ***20.0*** | ***0.0*** | ***1,639.3*** | ***0.0*** | ***-1,619.3*** | ***97,120.9*** | ***95,501.6*** |
| ***... All Other*** | ***Utility Scale Facilities*** | ***1,544.6*** | ***0.0*** | ***0.0*** | ***1,544.6*** | ***0.0*** | ***49.1*** | ***97.0*** | ***0.0*** | ***0.0*** | ***0.0*** | ***0.0*** | ***0.0*** | ***0.0*** | ***1,544.6*** | ***1,544.6*** |
| **TOTAL** | **UTILITY SCALE FACILITIES** | **1,105,341.9** | **1,420.8** | **205.9** | **1,106,556.8** | **1,214.9** | **6,011.0** | **7,697.7** | **1,583.9** | **43,005.0** | **519.0** | **8,912.9** | **1,064.9** | **34,092.1** | **1,107,621.7** | **1,140,648.9** |
| | | | | | | | | | | | | | | | | |
| ..... *Estimated Small Scale Solar Photovoltaic* | *Small Scale Facilities* | *25,191.9* | | | *25,603.3* | *411.4* | *2,392.5* | *4,130.0* | | | | | | | | |
| ..... Estimated Total Solar Photovoltaic | All Facilities | 64,896.2 | | | 65,685.0 | 788.8 | 6,903.0 | 12,157.8 | | | | | | | | |
| ***... Estimated Total Solar*** | ***All Facilities*** | ***66,654.3*** | | | ***67,443.1*** | ***788.8*** | ***6,903.2*** | ***12,158.0*** | | | | | | | | |

NOTES:
Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.
Planned Capacity Reductions reflect plans to retire or derate existing units.
Actual Capacity Additions reflect new units, uprates to existing units, corrections to previously reported capacities, and additions not previously reported.
Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

## Table 6.1.A. Estimated Net Summer Solar Photovoltaic Capacity From Utility and Small Scale Facilities (Megawatts)
## 2008 - July 2020

| Period | Utility Solar Photovoltaic | Estimated Small Scale Solar Photovoltaic | Estimated Total Solar Photovoltaic |
|---|---|---|---|
| Annual Totals | | | |
| 2010 | 393.4 | N/A | N/A |
| 2011 | 1,052.0 | N/A | N/A |
| 2012 | 2,694.1 | N/A | N/A |
| 2013 | 5,336.1 | N/A | N/A |
| 2014 | 8,656.6 | 7,326.6 | 15,983.2 |
| 2015 | 11,905.4 | 9,778.5 | 21,683.9 |
| 2016 | 20,192.9 | 12,765.1 | 32,958.0 |
| 2017 | 25,209.0 | 16,147.8 | 41,356.8 |
| 2018 | 30,120.5 | 19,547.1 | 49,667.6 |
| 2019 | 35,571.2 | 23,210.8 | 58,782.0 |
| Year 2018 | | | |
| January | 25,968.4 | 16,647.9 | 42,616.3 |
| February | 26,067.6 | 16,888.9 | 42,956.5 |
| March | 26,592.1 | 17,172.4 | 43,764.5 |
| April | 26,859.7 | 17,431.2 | 44,290.9 |
| May | 27,291.3 | 17,714.7 | 45,006.0 |
| June | 27,451.7 | 17,988.5 | 45,440.2 |
| July | 27,590.1 | 18,239.9 | 45,830.0 |
| August | 27,674.0 | 18,519.6 | 46,193.6 |
| Sept | 27,989.5 | 18,780.9 | 46,770.4 |
| October | 28,158.3 | 19,059.8 | 47,218.1 |
| November | 28,690.2 | 19,320.0 | 48,010.2 |
| December | 30,120.5 | 19,547.1 | 49,667.6 |
| Year 2019 | | | |
| January | 30,924.8 | 19,727.0 | 50,651.8 |
| February | 31,132.5 | 19,967.1 | 51,099.6 |
| March | 31,355.3 | 20,284.2 | 51,639.5 |
| April | 31,444.8 | 20,561.2 | 52,006.0 |
| May | 31,508.0 | 20,870.6 | 52,378.6 |
| June | 31,826.6 | 21,137.2 | 52,963.8 |
| July | 32,053.9 | 21,473.3 | 53,527.2 |
| August | 32,276.1 | 21,790.9 | 54,067.0 |
| Sept | 32,491.1 | 22,102.7 | 54,593.8 |
| October | 32,987.2 | 22,428.1 | 55,415.3 |
| November | 33,647.2 | 22,710.0 | 56,357.2 |
| December | 35,571.2 | 23,210.8 | 58,782.0 |
| Year 2020 | | | |
| January | 36,613.2 | 23,582.8 | 60,196.0 |
| February | 37,110.1 | 23,919.3 | 61,029.4 |
| March | 37,438.5 | 24,258.8 | 61,697.3 |
| April | 37,916.7 | 24,581.0 | 62,497.7 |
| May | 38,405.6 | 24,807.4 | 63,213.0 |
| June | 39,704.3 | 25,191.9 | 64,896.2 |
| July | 40,081.7 | 25,603.3 | 65,685.0 |

Values are preliminary.
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

## Table 6.1.B. Estimated Net Summer Solar Photovoltaic Capacity From Small Scale Facilities by Sector (Megawatts):
## 2014 - July 2020

| Period | Residential | Commercial | Industrial | Total |
|---|---|---|---|---|
| Annual Totals | | | | |
| 2014 | 3,346.3 | 3,279.7 | 700.6 | 7,326.6 |
| 2015 | 5,191.5 | 3,706.7 | 880.3 | 9,778.5 |
| 2016 | 7,527.0 | 4,022.8 | 1,215.3 | 12,765.1 |
| 2017 | 9,626.8 | 5,155.8 | 1,365.1 | 16,147.8 |
| 2018 | 11,720.4 | 6,271.4 | 1,555.4 | 19,547.1 |
| 2019 | 14,228.7 | 7,185.7 | 1,796.4 | 23,210.8 |
| Year 2018 | | | | |
| January | 9,817.0 | 5,460.2 | 1,370.7 | 16,647.9 |
| February | 9,977.5 | 5,530.9 | 1,380.4 | 16,888.9 |
| March | 10,144.5 | 5,629.9 | 1,398.0 | 17,172.4 |
| April | 10,301.4 | 5,712.2 | 1,417.5 | 17,431.2 |
| May | 10,476.8 | 5,801.6 | 1,436.2 | 17,714.7 |
| June | 10,643.5 | 5,891.0 | 1,454.0 | 17,988.5 |
| July | 10,810.7 | 5,967.0 | 1,462.2 | 18,239.9 |
| August | 10,991.8 | 6,055.4 | 1,472.4 | 18,519.6 |
| Sept | 11,157.7 | 6,132.3 | 1,491.0 | 18,780.9 |
| October | 11,354.3 | 6,204.2 | 1,501.4 | 19,059.8 |
| November | 11,529.1 | 6,261.2 | 1,529.7 | 19,320.0 |
| December | 11,720.4 | 6,271.4 | 1,555.4 | 19,547.1 |
| Year 2019 | | | | |
| January | 11,898.3 | 6,249.0 | 1,579.7 | 19,727.0 |
| February | 12,069.5 | 6,306.8 | 1,590.9 | 19,967.1 |
| March | 12,270.7 | 6,402.5 | 1,611.1 | 20,284.2 |
| April | 12,454.0 | 6,467.9 | 1,639.2 | 20,561.2 |
| May | 12,650.2 | 6,553.7 | 1,666.7 | 20,870.6 |
| June | 12,840.4 | 6,608.8 | 1,688.0 | 21,137.2 |
| July | 13,089.5 | 6,686.9 | 1,696.9 | 21,473.3 |
| August | 13,308.1 | 6,769.8 | 1,713.0 | 21,790.9 |
| Sept | 13,525.8 | 6,841.2 | 1,735.6 | 22,102.7 |
| October | 13,760.8 | 6,917.3 | 1,750.0 | 22,428.1 |
| November | 13,985.3 | 6,959.3 | 1,765.4 | 22,710.0 |
| December | 14,228.7 | 7,185.7 | 1,796.4 | 23,210.8 |
| Year 2020 | | | | |
| January | 14,491.2 | 7,270.6 | 1,821.0 | 23,582.8 |
| February | 14,746.6 | 7,326.0 | 1,846.7 | 23,919.3 |
| March | 14,963.4 | 7,428.8 | 1,866.6 | 24,258.8 |
| April | 15,182.6 | 7,528.9 | 1,869.5 | 24,581.0 |
| May | 15,379.5 | 7,537.0 | 1,890.8 | 24,807.4 |
| June | 15,581.7 | 7,678.9 | 1,931.3 | 25,191.9 |
| July | 15,850.8 | 7,792.9 | 1,959.7 | 25,603.3 |

Values are preliminary.
Improved renewable data reporting has resulted in realignment of the commercial and industrial sectors.
Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

## Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, July 2020 and 2019 (Megawatts)

| Census Division and State | Renewable Sources | | Fossil Fuels | | Hydroelectric Pumped Storage | | Other Energy Storage | | Nuclear | | All Other Sources | | All Sources | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 6,056.2 | 5,890.6 | 24,215.7 | 24,201.0 | 1,797.4 | 1,797.4 | 77.1 | 42.8 | 3,323.5 | 3,323.5 | 48.0 | 48.0 | 35,517.9 | 35,303.3 |
| Connecticut | 462.7 | 420.8 | 7,871.2 | 7,849.7 | 29.4 | 29.4 | 1.6 | 1.6 | 2,073.1 | 2,073.1 | 26.0 | 26.0 | 10,464.0 | 10,400.6 |
| Maine | 2,230.5 | 2,292.2 | 2,499.3 | 2,478.8 | 0.0 | 0.0 | 16.2 | 16.2 | 0.0 | 0.0 | 22.0 | 22.0 | 4,768.0 | 4,809.2 |
| Massachusetts | 1,526.3 | 1,431.3 | 9,574.6 | 9,605.0 | 1,768.0 | 1,768.0 | 48.4 | 22.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12,917.3 | 12,826.3 |
| New Hampshire | 956.9 | 928.1 | 2,289.9 | 2,289.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,250.4 | 1,250.4 | 0.0 | 0.0 | 4,497.2 | 4,468.4 |
| Rhode Island | 195.1 | 150.2 | 1,835.1 | 1,832.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,030.2 | 1,982.3 |
| Vermont | 684.7 | 668.0 | 145.6 | 145.5 | 0.0 | 0.0 | 10.9 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 841.2 | 816.5 |
| Middle Atlantic | 11,598.0 | 11,455.5 | 74,299.7 | 73,054.5 | 3,383.3 | 3,380.6 | 147.5 | 143.5 | 16,940.5 | 18,697.9 | 11.2 | 11.2 | 106,380.2 | 106,743.2 |
| New Jersey | 1,149.2 | 1,068.5 | 12,241.5 | 12,172.1 | 420.0 | 420.0 | 42.1 | 42.1 | 3,467.1 | 3,500.2 | 11.2 | 11.2 | 17,331.1 | 17,214.1 |
| New York | 7,543.9 | 7,525.6 | 27,062.9 | 26,910.7 | 1,411.3 | 1,408.6 | 57.0 | 53.0 | 4,380.2 | 5,400.7 | 0.0 | 0.0 | 40,455.3 | 41,298.6 |
| Pennsylvania | 2,904.9 | 2,861.4 | 34,995.3 | 33,971.7 | 1,552.0 | 1,552.0 | 48.4 | 48.4 | 9,093.2 | 9,797.0 | 0.0 | 0.0 | 48,593.8 | 48,230.5 |
| East North Central | 14,228.5 | 12,914.9 | 108,097.6 | 111,475.5 | 2,249.0 | 2,231.0 | 194.7 | 189.7 | 19,007.1 | 19,001.8 | 187.1 | 187.1 | 143,964.0 | 146,000.0 |
| Illinois | 5,969.1 | 4,966.6 | 27,059.7 | 29,071.5 | 0.0 | 0.0 | 132.7 | 132.7 | 11,582.4 | 11,582.4 | 78.0 | 78.0 | 44,821.9 | 45,831.2 |
| Indiana | 2,699.1 | 2,663.3 | 23,832.4 | 23,905.6 | 0.0 | 0.0 | 28.0 | 23.0 | 0.0 | 0.0 | 88.0 | 88.0 | 26,647.5 | 26,679.9 |
| Michigan | 3,233.7 | 2,993.1 | 19,996.6 | 20,195.8 | 2,249.0 | 2,231.0 | 1.0 | 1.0 | 4,089.6 | 4,089.6 | 0.0 | 0.0 | 29,569.9 | 29,510.5 |
| Ohio | 1,195.7 | 1,070.9 | 23,704.6 | 25,241.3 | 0.0 | 0.0 | 33.0 | 33.0 | 2,134.0 | 2,134.0 | 0.0 | 0.0 | 27,067.3 | 28,479.2 |
| Wisconsin | 1,130.9 | 1,221.0 | 13,504.3 | 13,061.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,201.1 | 1,195.8 | 21.1 | 21.1 | 15,857.4 | 15,499.2 |
| West North Central | 34,776.4 | 30,429.7 | 59,010.0 | 59,303.2 | 657.0 | 657.0 | 20.1 | 20.1 | 5,443.4 | 5,443.4 | 22.8 | 22.8 | 99,929.7 | 95,876.2 |
| Iowa | 10,685.6 | 8,970.1 | 9,847.6 | 9,808.2 | 0.0 | 0.0 | 1.1 | 1.1 | 601.4 | 601.4 | 0.0 | 0.0 | 21,135.7 | 19,380.8 |
| Kansas | 6,575.5 | 6,159.6 | 8,846.1 | 9,024.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,225.0 | 1,225.0 | 0.8 | 0.8 | 16,647.4 | 16,410.2 |
| Minnesota | 5,566.2 | 5,273.7 | 10,363.9 | 10,271.5 | 0.0 | 0.0 | 16.0 | 16.0 | 1,657.0 | 1,657.0 | 16.7 | 16.7 | 17,619.8 | 17,234.9 |
| Missouri | 1,821.0 | 1,579.0 | 17,453.6 | 17,672.0 | 657.0 | 657.0 | 2.2 | 2.2 | 1,190.0 | 1,190.0 | 0.0 | 0.0 | 21,123.8 | 21,100.2 |
| Nebraska | 2,729.5 | 2,332.9 | 6,196.3 | 6,201.8 | 0.0 | 0.0 | 0.0 | 0.0 | 770.0 | 770.0 | 0.0 | 0.0 | 9,695.8 | 9,304.7 |
| North Dakota | 4,198.3 | 3,637.6 | 4,601.4 | 4,633.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 5.3 | 8,805.0 | 8,276.5 |
| South Dakota | 3,200.3 | 2,476.8 | 1,701.1 | 1,691.3 | 0.0 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 4,902.2 | 4,168.9 |
| South Atlantic | 24,366.6 | 20,825.4 | 160,836.8 | 161,215.7 | 7,906.4 | 7,905.2 | 81.5 | 76.5 | 24,706.6 | 24,706.6 | 468.9 | 408.7 | 218,366.8 | 215,138.1 |
| Delaware | 50.9 | 47.4 | 3,321.5 | 3,330.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,372.4 | 3,377.8 |
| District of Columbia | 20.4 | 18.9 | 20.6 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41.0 | 35.4 |
| Florida | 4,637.3 | 3,211.2 | 53,486.2 | 53,004.7 | 0.0 | 0.0 | 19.0 | 14.0 | 3,626.0 | 3,626.0 | 312.9 | 348.7 | 62,081.4 | 60,204.6 |
| Georgia | 4,824.1 | 4,036.2 | 26,100.8 | 26,072.0 | 1,863.4 | 1,862.2 | 1.0 | 1.0 | 4,061.0 | 4,061.0 | 0.0 | 0.0 | 36,850.3 | 36,032.4 |
| Maryland | 1,250.5 | 1,216.7 | 11,300.2 | 11,806.6 | 0.0 | 0.0 | 7.0 | 7.0 | 1,707.8 | 1,725.8 | 6.0 | 6.0 | 14,271.5 | 14,762.1 |
| North Carolina | 7,387.4 | 6,863.9 | 22,192.8 | 22,011.5 | 86.0 | 86.0 | 1.0 | 1.0 | 5,149.6 | 5,149.6 | 54.0 | 54.0 | 34,870.8 | 34,166.0 |
| South Carolina | 2,827.8 | 2,336.1 | 11,764.1 | 12,168.3 | 2,716.0 | 2,716.0 | 4.0 | 4.0 | 6,594.2 | 6,576.2 | 0.0 | 0.0 | 23,906.1 | 23,800.6 |
| Virginia | 2,281.7 | 2,064.7 | 18,912.7 | 19,017.8 | 3,241.0 | 3,241.0 | 0.0 | 0.0 | 3,568.0 | 3,568.0 | 96.0 | 0.0 | 28,099.4 | 27,891.5 |
| West Virginia | 1,086.5 | 1,030.3 | 13,737.9 | 13,787.9 | 0.0 | 0.0 | 49.5 | 49.5 | 0.0 | 0.0 | 0.0 | 0.0 | 14,873.9 | 14,867.7 |
| East South Central | 8,911.2 | 8,909.1 | 61,431.4 | 62,692.6 | 1,616.3 | 1,616.3 | 1.0 | 1.0 | 11,449.1 | 11,449.1 | 1.4 | 1.4 | 83,410.4 | 84,669.5 |
| Alabama | 4,119.0 | 4,179.8 | 19,635.1 | 19,552.3 | 0.0 | 0.0 | 1.0 | 1.0 | 5,525.4 | 5,525.4 | 0.0 | 0.0 | 29,280.5 | 29,258.5 |
| Kentucky | 1,247.6 | 1,246.2 | 16,877.1 | 18,290.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18,124.7 | 19,536.5 |
| Mississippi | 520.5 | 463.0 | 12,676.9 | 12,659.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,401.0 | 1,401.0 | 1.4 | 1.4 | 14,599.8 | 14,525.1 |
| Tennessee | 3,024.1 | 3,020.1 | 12,242.3 | 12,190.3 | 1,616.3 | 1,616.3 | 0.0 | 0.0 | 4,522.7 | 4,522.7 | 0.0 | 0.0 | 21,405.4 | 21,349.4 |
| West South Central | 45,338.1 | 40,458.1 | 140,156.2 | 140,245.6 | 286.0 | 286.0 | 161.5 | 119.7 | 8,910.7 | 8,910.7 | 548.6 | 512.5 | 195,401.1 | 190,532.6 |
| Arkansas | 1,642.7 | 1,697.1 | 11,281.0 | 11,242.4 | 28.0 | 28.0 | 12.0 | 0.0 | 1,817.8 | 1,817.8 | 0.0 | 0.0 | 14,781.5 | 14,785.3 |
| Louisiana | 615.2 | 615.5 | 22,486.2 | 21,021.0 | 0.0 | 0.0 | 0.5 | 0.5 | 2,132.9 | 2,132.9 | 329.6 | 288.5 | 25,564.4 | 24,058.4 |
| Oklahoma | 9,151.0 | 9,041.0 | 17,978.6 | 18,155.1 | 258.0 | 258.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27,397.6 | 27,454.1 |
| Texas | 33,929.2 | 29,104.5 | 88,410.4 | 89,827.1 | 0.0 | 0.0 | 139.0 | 119.2 | 4,960.0 | 4,960.0 | 219.0 | 224.0 | 127,657.6 | 124,234.8 |
| Mountain | 28,967.4 | 27,459.5 | 59,544.1 | 62,589.2 | 778.8 | 778.8 | 54.3 | 56.1 | 3,937.0 | 3,937.0 | 123.7 | 123.0 | 93,405.3 | 94,943.6 |
| Arizona | 5,339.8 | 5,102.9 | 17,505.7 | 19,727.8 | 216.3 | 216.3 | 42.0 | 42.0 | 3,937.0 | 3,937.0 | 0.0 | 0.0 | 27,040.8 | 29,026.0 |
| Colorado | 5,143.1 | 4,961.2 | 10,932.9 | 11,063.0 | 562.5 | 562.5 | 10.5 | 10.5 | 0.0 | 0.0 | 9.1 | 9.1 | 16,658.1 | 16,606.3 |
| Idaho | 4,075.3 | 4,071.9 | 1,121.8 | 1,127.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 14.8 | 5,211.9 | 5,213.8 |
| Montana | 3,673.9 | 3,574.6 | 2,125.1 | 2,744.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.0 | 40.0 | 5,839.0 | 6,359.5 |
| Nevada | 4,109.7 | 3,766.1 | 7,821.6 | 7,821.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 6.5 | 11,937.8 | 11,594.2 |
| New Mexico | 2,866.6 | 2,493.7 | 5,964.4 | 5,956.3 | 0.0 | 0.0 | 1.8 | 3.6 | 0.0 | 0.0 | 0.7 | 0.0 | 8,833.5 | 8,453.6 |
| Utah | 1,648.0 | 1,602.7 | 7,303.3 | 7,374.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.2 | 40.2 | 8,991.5 | 9,017.1 |
| Wyoming | 2,111.0 | 1,886.4 | 6,769.3 | 6,774.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.4 | 12.4 | 8,892.7 | 8,673.1 |
| Pacific Contiguous | 69,653.0 | 68,474.0 | 46,640.2 | 47,602.0 | 4,121.1 | 4,225.9 | 516.8 | 267.8 | 3,403.0 | 3,403.0 | 106.3 | 106.3 | 124,440.4 | 124,079.0 |
| California | 32,342.3 | 31,452.0 | 37,583.2 | 38,534.1 | 3,807.1 | 3,911.9 | 505.6 | 256.6 | 2,240.0 | 2,240.0 | 106.3 | 106.3 | 76,584.5 | 76,500.9 |
| Oregon | 12,587.5 | 12,250.5 | 4,315.2 | 4,326.1 | 0.0 | 0.0 | 5.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16,907.7 | 16,581.6 |
| Washington | 24,723.2 | 24,771.5 | 4,741.8 | 4,741.8 | 314.0 | 314.0 | 6.2 | 6.2 | 1,163.0 | 1,163.0 | 0.0 | 0.0 | 30,948.2 | 30,996.5 |
| Pacific Noncontiguous | 1,243.3 | 1,210.2 | 4,362.9 | 4,229.6 | 0.0 | 0.0 | 108.2 | 107.2 | 0.0 | 0.0 | 26.6 | 26.6 | 5,741.0 | 5,573.6 |
| Alaska | 538.6 | 538.2 | 2,191.6 | 2,171.3 | 0.0 | 0.0 | 47.2 | 46.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2,777.4 | 2,755.7 |
| Hawaii | 704.7 | 672.0 | 2,171.3 | 2,058.3 | 0.0 | 0.0 | 61.0 | 61.0 | 0.0 | 0.0 | 26.6 | 26.6 | 2,963.6 | 2,817.9 |
| U.S. Total | 245,138.7 | 228,027.0 | 738,594.6 | 746,608.9 | 22,795.3 | 22,878.2 | 1,362.7 | 1,024.4 | 97,120.9 | 98,873.0 | 1,544.6 | 1,447.6 | 1,106,556.8 | 1,098,859.1 |

NM = Not meaningful due to large relative standard error.
Values are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.
Concentrated Solar Power Energy Storage is included in 'Renewable sources'; it is not included in 'Other Energy Storage'

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

**Table 6.2.B. Net Summer Capacity Using Primarily Renewable Energy Sources and by State, July 2020 and 2019 (Megawatts)**

| Census Division and State | Summer Capacity at Utility Scale Facilities | | | | | | | | | | | | | | Small Scale Capacity | | Capacity From Utility and Small Scale Facilities | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Wind | | Solar Photovoltaic | | Solar Thermal | | Conventional Hydroelectric | | Biomass Sources | | Geothermal | | Total Renewable Sources | | Estimated Solar Photovoltaic | | Estimated Total Solar Photovoltaic | | Estimated Total Solar | |
| | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 1,463.2 | 1,424.8 | 1,218.4 | 1,023.3 | 0.0 | 0.0 | 1,957.6 | 1,962.3 | 1,417.0 | 1,480.2 | 0.0 | 0.0 | 6,056.2 | 5,890.6 | 2,901.4 | 2,378.7 | 4,119.8 | 3,402.0 | 4,119.8 | 3,402.0 |
| Connecticut | 1.0 | 1.0 | 142.4 | 95.0 | 0.0 | 0.0 | 119.4 | 122.2 | 199.9 | 202.6 | 0.0 | 0.0 | 462.7 | 420.8 | 568.3 | 460.1 | 710.7 | 555.1 | 710.7 | 555.1 |
| Maine | 921.6 | 921.6 | 5.6 | 5.6 | 0.0 | 0.0 | 734.0 | 735.2 | 569.3 | 629.8 | 0.0 | 0.0 | 2,230.5 | 2,292.2 | 61.3 | 53.8 | 66.9 | 59.4 | 66.9 | 59.4 |
| Massachusetts | 105.7 | 96.1 | 869.4 | 783.3 | 0.0 | 0.0 | 266.3 | 267.0 | 284.9 | 284.9 | 0.0 | 0.0 | 1,526.3 | 1,431.3 | 1,837.7 | 1,542.6 | 2,707.1 | 2,325.9 | 2,707.1 | 2,325.9 |
| New Hampshire | 211.9 | 183.1 | 0.0 | 0.0 | 0.0 | 0.0 | 504.0 | 504.0 | 241.0 | 241.0 | 0.0 | 0.0 | 956.9 | 928.1 | 110.6 | 91.5 | 110.6 | 91.5 | 110.6 | 91.5 |
| Rhode Island | 72.8 | 72.8 | 79.5 | 34.6 | 0.0 | 0.0 | 2.7 | 2.7 | 40.1 | 40.1 | 0.0 | 0.0 | 195.1 | 150.2 | 195.7 | 117.8 | 275.2 | 152.4 | 275.2 | 152.4 |
| Vermont | 150.2 | 150.2 | 121.5 | 104.8 | 0.0 | 0.0 | 331.2 | 331.2 | 81.8 | 81.8 | 0.0 | 0.0 | 684.7 | 668.0 | 127.9 | 112.9 | 249.4 | 217.7 | 249.4 | 217.7 |
| Middle Atlantic | 3,453.3 | 3,467.3 | 1,565.6 | 1,245.6 | 0.0 | 0.0 | 5,471.6 | 5,473.2 | 1,107.5 | 1,269.4 | 0.0 | 0.0 | 11,598.0 | 11,455.5 | 3,882.1 | 3,268.9 | 5,447.7 | 4,514.5 | 5,447.7 | 4,514.5 |
| New Jersey | 7.6 | 7.6 | 935.5 | 831.3 | 0.0 | 0.0 | 12.3 | 12.3 | 193.8 | 217.3 | 0.0 | 0.0 | 1,149.2 | 1,068.5 | 1,789.7 | 1,552.2 | 2,725.2 | 2,383.5 | 2,725.2 | 2,383.5 |
| New York | 1,985.7 | 2,089.7 | 539.2 | 350.5 | 0.0 | 0.0 | 4,559.7 | 4,561.3 | 459.3 | 524.1 | 0.0 | 0.0 | 7,543.9 | 7,525.6 | 1,670.5 | 1,367.2 | 2,209.7 | 1,717.7 | 2,209.7 | 1,717.7 |
| Pennsylvania | 1,460.0 | 1,370.0 | 90.9 | 63.8 | 0.0 | 0.0 | 899.6 | 899.6 | 454.4 | 528.0 | 0.0 | 0.0 | 2,904.9 | 2,861.4 | 422.0 | 349.6 | 512.9 | 413.4 | 512.9 | 413.4 |
| East North Central | 11,625.3 | 10,332.1 | 560.1 | 487.8 | 0.0 | 0.0 | 884.6 | 859.9 | 1,158.5 | 1,235.1 | 0.0 | 0.0 | 14,228.5 | 12,914.9 | 832.8 | 512.5 | 1,392.9 | 1,000.3 | 1,392.9 | 1,000.3 |
| Illinois | 5,798.0 | 4,803.7 | 48.8 | 40.6 | 0.0 | 0.0 | 34.1 | 34.1 | 88.2 | 88.2 | 0.0 | 0.0 | 5,969.1 | 4,966.6 | 321.8 | 131.7 | 370.6 | 172.3 | 370.6 | 172.3 |
| Indiana | 2,309.8 | 2,309.8 | 252.3 | 222.3 | 0.0 | 0.0 | 66.2 | 60.4 | 70.8 | 70.8 | 0.0 | 0.0 | 2,699.1 | 2,663.3 | 115.4 | 83.3 | 367.7 | 305.6 | 367.7 | 305.6 |
| Michigan | 2,354.3 | 2,061.8 | 102.0 | 100.2 | 0.0 | 0.0 | 273.4 | 269.9 | 504.0 | 561.2 | 0.0 | 0.0 | 3,233.7 | 2,993.1 | 114.4 | 80.8 | 216.4 | 181.0 | 216.4 | 181.0 |
| Ohio | 843.5 | 718.4 | 111.6 | 100.8 | 0.0 | 0.0 | 101.9 | 101.9 | 138.7 | 149.8 | 0.0 | 0.0 | 1,195.7 | 1,070.9 | 182.1 | 145.6 | 293.7 | 246.4 | 293.7 | 246.4 |
| Wisconsin | 319.7 | 438.4 | 45.4 | 23.9 | 0.0 | 0.0 | 409.0 | 393.6 | 356.8 | 365.1 | 0.0 | 0.0 | 1,130.9 | 1,221.0 | 99.2 | 71.1 | 144.6 | 95.0 | 144.6 | 95.0 |
| West North Central | 29,965.6 | 25,743.9 | 1,094.3 | 930.9 | 0.0 | 0.0 | 3,295.5 | 3,296.7 | 421.0 | 458.2 | 0.0 | 0.0 | 34,776.4 | 30,429.7 | 487.5 | 395.7 | 1,581.8 | 1,326.6 | 1,581.8 | 1,326.6 |
| Iowa | 10,502.6 | 8,791.8 | 16.0 | 10.5 | 0.0 | 0.0 | 146.4 | 146.4 | 20.6 | 21.4 | 0.0 | 0.0 | 10,685.6 | 8,970.1 | 138.8 | 105.6 | 154.8 | 116.1 | 154.8 | 116.1 |
| Kansas | 6,529.3 | 6,133.4 | 30.2 | 10.2 | 0.0 | 0.0 | 7.0 | 7.0 | 9.0 | 9.0 | 0.0 | 0.0 | 6,575.5 | 6,159.6 | 29.0 | 22.9 | 59.2 | 33.1 | 59.2 | 33.1 |
| Minnesota | 4,052.2 | 3,850.5 | 961.7 | 829.1 | 0.0 | 0.0 | 205.9 | 205.9 | 346.4 | 388.2 | 0.0 | 0.0 | 5,566.2 | 5,273.7 | 85.1 | 68.7 | 1,046.8 | 897.8 | 1,046.8 | 897.8 |
| Missouri | 1,196.3 | 954.3 | 62.1 | 62.1 | 0.0 | 0.0 | 548.5 | 548.5 | 14.1 | 14.1 | 0.0 | 0.0 | 1,821.0 | 1,579.0 | 221.3 | 188.3 | 283.4 | 250.4 | 283.4 | 250.4 |
| Nebraska | 2,410.8 | 2,018.3 | 23.3 | 18.0 | 0.0 | 0.0 | 279.7 | 280.9 | 15.7 | 15.7 | 0.0 | 0.0 | 2,729.5 | 2,332.9 | 11.9 | 9.1 | 35.2 | 27.1 | 35.2 | 27.1 |
| North Dakota | 3,678.5 | 3,117.8 | 0.0 | 0.0 | 0.0 | 0.0 | 510.0 | 510.0 | 9.8 | 9.8 | 0.0 | 0.0 | 4,198.3 | 3,637.6 | 0.6 | 0.5 | 0.6 | 0.5 | 0.6 | 0.5 |
| South Dakota | 1,595.9 | 877.8 | 1.0 | 1.0 | 0.0 | 0.0 | 1,598.0 | 1,598.0 | 5.4 | 0.0 | 0.0 | 0.0 | 3,200.3 | 2,476.8 | 0.9 | 0.7 | 1.9 | 1.7 | 1.9 | 1.7 |
| South Atlantic | 1,142.5 | 1,086.3 | 11,699.3 | 8,322.3 | 0.0 | 0.0 | 7,189.2 | 7,226.4 | 4,335.6 | 4,190.4 | 0.0 | 0.0 | 24,366.6 | 20,825.4 | 2,387.9 | 1,947.8 | 14,087.2 | 10,270.1 | 14,087.2 | 10,270.1 |
| Delaware | 2.0 | 2.0 | 36.7 | 33.2 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 12.2 | 0.0 | 0.0 | 50.9 | 47.4 | 85.2 | 82.4 | 121.9 | 115.6 | 121.9 | 115.6 |
| District of Columbia | 0.0 | 0.0 | 8.4 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 0.0 | 0.0 | 20.4 | 18.9 | 74.3 | 53.5 | 82.7 | 60.4 | 82.7 | 60.4 |
| Florida | 0.0 | 0.0 | 3,409.7 | 1,975.9 | 0.0 | 0.0 | 43.5 | 54.5 | 1,184.1 | 1,180.8 | 0.0 | 0.0 | 4,637.3 | 3,211.2 | 638.0 | 400.5 | 4,047.7 | 2,376.4 | 4,047.7 | 2,376.4 |
| Georgia | 0.0 | 0.0 | 1,733.3 | 1,039.6 | 0.0 | 0.0 | 2,031.0 | 2,047.2 | 1,059.8 | 949.4 | 0.0 | 0.0 | 4,824.1 | 4,036.2 | NM | NM | NM | NM | NM | NM |
| Maryland | 190.0 | 190.0 | 329.6 | 295.8 | 0.0 | 0.0 | 590.0 | 590.0 | 140.9 | 140.9 | 0.0 | 0.0 | 1,250.5 | 1,216.7 | 798.0 | 757.5 | 1,127.6 | 1,053.3 | 1,127.6 | 1,053.3 |
| North Carolina | 208.0 | 208.0 | 4,609.4 | 4,091.4 | 0.0 | 0.0 | 2,006.0 | 2,004.0 | 564.0 | 560.5 | 0.0 | 0.0 | 7,387.4 | 6,863.9 | 212.9 | 164.7 | 4,822.3 | 4,256.1 | 4,822.3 | 4,256.1 |
| South Carolina | 0.0 | 0.0 | 961.4 | 485.7 | 0.0 | 0.0 | 1,311.9 | 1,323.9 | 554.5 | 526.5 | 0.0 | 0.0 | 2,827.8 | 2,336.1 | 247.9 | 220.4 | 1,209.3 | 706.1 | 1,209.3 | 706.1 |
| Virginia | 0.0 | 0.0 | 610.8 | 393.8 | 0.0 | 0.0 | 866.0 | 866.0 | 804.9 | 804.9 | 0.0 | 0.0 | 2,281.7 | 2,064.7 | 132.0 | 81.5 | 742.8 | 475.3 | 742.8 | 475.3 |
| West Virginia | 742.5 | 686.3 | 0.0 | 0.0 | 0.0 | 0.0 | 340.8 | 340.8 | 3.2 | 3.2 | 0.0 | 0.0 | 1,086.5 | 1,030.3 | 10.0 | 8.0 | 10.0 | 8.0 | 10.0 | 8.0 |
| East South Central | 29.1 | 29.1 | 620.5 | 559.0 | 0.0 | 0.0 | 7,055.3 | 7,055.3 | 1,206.3 | 1,265.7 | 0.0 | 0.0 | 8,911.2 | 8,909.1 | 112.1 | 100.2 | 732.6 | 659.2 | 732.6 | 659.2 |
| Alabama | 0.0 | 0.0 | 194.1 | 194.1 | 0.0 | 0.0 | 3,291.8 | 3,291.8 | 633.1 | 693.9 | 0.0 | 0.0 | 4,119.0 | 4,179.8 | NM | NM | NM | NM | NM | NM |
| Kentucky | 0.0 | 0.0 | 26.1 | 26.1 | 0.0 | 0.0 | 1,146.9 | 1,146.9 | 74.6 | 73.2 | 0.0 | 0.0 | 1,247.6 | 1,246.2 | 33.8 | 25.2 | 59.9 | 51.3 | 59.9 | 51.3 |
| Mississippi | 0.0 | 0.0 | 218.1 | 160.6 | 0.0 | 0.0 | 0.0 | 0.0 | 302.4 | 302.4 | 0.0 | 0.0 | 520.5 | 463.0 | 9.9 | 8.1 | 228.0 | 168.7 | 228.0 | 168.7 |
| Tennessee | 29.1 | 29.1 | 182.2 | 178.2 | 0.0 | 0.0 | 2,616.6 | 2,616.6 | 196.2 | 196.2 | 0.0 | 0.0 | 3,024.1 | 3,020.1 | 59.4 | 58.3 | 241.6 | 236.5 | 241.6 | 236.5 |
| West South Central | 37,255.7 | 34,131.1 | 3,888.5 | 2,102.0 | 0.0 | 0.0 | 3,029.5 | 2,991.4 | 1,164.4 | 1,233.6 | 0.0 | 0.0 | 45,338.1 | 40,458.1 | 1,015.3 | 761.8 | 4,903.8 | 2,863.8 | 4,903.8 | 2,863.8 |
| Arkansas | 0.0 | 0.0 | 112.2 | 100.0 | 0.0 | 0.0 | 1,265.8 | 1,265.8 | 264.7 | 331.3 | 0.0 | 0.0 | 1,642.7 | 1,697.1 | 37.3 | 21.4 | 149.5 | 121.4 | 149.5 | 121.4 |
| Louisiana | 0.0 | 0.0 | 1.1 | 1.1 | 0.0 | 0.0 | 192.0 | 192.0 | 422.1 | 422.4 | 0.0 | 0.0 | 615.2 | 615.5 | 154.9 | 142.8 | 156.0 | 143.9 | 156.0 | 143.9 |
| Oklahoma | 8,168.7 | 8,070.7 | 40.5 | 30.5 | 0.0 | 0.0 | 865.6 | 863.6 | 76.2 | 76.2 | 0.0 | 0.0 | 9,151.0 | 9,041.0 | 16.5 | 11.1 | 57.0 | 41.6 | 57.0 | 41.6 |
| Texas | 29,087.0 | 26,060.4 | 3,734.7 | 1,970.4 | 0.0 | 0.0 | 706.1 | 670.0 | 401.4 | 403.7 | 0.0 | 0.0 | 33,929.2 | 29,104.5 | 806.6 | 586.5 | 4,541.3 | 2,556.9 | 4,541.3 | 2,556.9 |
| Mountain | 10,152.9 | 9,560.6 | 6,851.8 | 5,956.7 | 474.1 | 473.9 | 10,652.8 | 10,653.6 | 179.1 | 175.7 | 656.7 | 639.0 | 28,967.4 | 27,459.5 | 3,007.2 | 2,552.5 | 9,859.0 | 8,509.2 | 10,333.1 | 8,983.1 |
| Arizona | 267.3 | 267.3 | 2,025.3 | 1,788.6 | 295.6 | 295.4 | 2,720.9 | 2,720.9 | 30.7 | 30.7 | 0.0 | 0.0 | 5,339.8 | 5,102.9 | 1,551.2 | 1,348.7 | 3,576.5 | 3,137.3 | 3,872.1 | 3,432.7 |
| Colorado | 3,757.9 | 3,698.5 | 672.4 | 547.6 | 0.0 | 0.0 | 684.1 | 686.4 | 28.7 | 28.7 | 0.0 | 0.0 | 5,143.1 | 4,961.2 | 415.7 | 374.0 | 1,088.1 | 921.6 | 1,088.1 | 921.6 |
| Idaho | 970.4 | 970.4 | 242.0 | 242.0 | 0.0 | 0.0 | 2,764.2 | 2,764.2 | 88.7 | 85.3 | 10.0 | 10.0 | 4,075.3 | 4,071.9 | 52.4 | 35.5 | 294.4 | 277.5 | 294.4 | 277.5 |
| Montana | 871.3 | 783.5 | 17.0 | 17.0 | 0.0 | 0.0 | 2,782.6 | 2,771.1 | 3.0 | 3.0 | 0.0 | 0.0 | 3,673.9 | 3,574.6 | 23.2 | 15.9 | 40.2 | 32.9 | 40.2 | 32.9 |
| Nevada | 150.0 | 150.0 | 2,152.6 | 1,829.0 | 178.5 | 178.5 | 1,051.4 | 1,051.4 | 9.8 | 9.8 | 567.4 | 547.4 | 4,109.7 | 3,766.1 | 471.0 | 363.5 | 2,623.6 | 2,192.5 | 2,802.1 | 2,371.0 |
| New Mexico | 2,035.9 | 1,815.4 | 733.8 | 581.4 | 0.0 | 0.0 | 82.9 | 82.9 | 5.4 | 5.4 | 8.6 | 8.6 | 2,866.6 | 2,493.7 | 184.0 | 153.5 | 917.8 | 734.9 | 917.8 | 734.9 |
| Utah | 388.2 | 388.2 | 916.7 | 859.1 | 0.0 | 0.0 | 259.6 | 269.6 | 12.8 | 12.8 | 70.7 | 73.0 | 1,648.0 | 1,602.7 | 302.0 | 256.0 | 1,218.7 | 1,115.1 | 1,218.7 | 1,115.1 |
| Wyoming | 1,711.9 | 1,487.3 | 92.0 | 92.0 | 0.0 | 0.0 | 307.1 | 307.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2,111.0 | 1,886.4 | 7.7 | 5.5 | 99.7 | 97.5 | 99.7 | 97.5 |
| Pacific Contiguous | 12,539.2 | 12,345.9 | 12,313.4 | 11,302.2 | 1,284.0 | 1,284.0 | 39,771.2 | 39,858.7 | 1,889.5 | 1,906.1 | 1,855.7 | 1,777.1 | 69,653.0 | 68,474.0 | 10,270.1 | 8,900.4 | 22,583.5 | 20,202.6 | 23,867.5 | 21,486.6 |
| California | 6,027.4 | 6,057.5 | 11,773.0 | 10,962.2 | 1,284.0 | 1,284.0 | 10,231.6 | 10,184.0 | 1,190.1 | 1,206.7 | 1,836.2 | 1,757.6 | 32,342.3 | 31,452.0 | 9,899.9 | 8,552.7 | 21,672.9 | 19,514.9 | 22,956.9 | 20,798.9 |
| Oregon | 3,415.3 | 3,215.3 | 520.7 | 320.3 | 0.0 | 0.0 | 8,317.0 | 8,380.4 | 315.0 | 315.0 | 19.5 | 19.5 | 12,587.5 | 12,250.5 | 185.7 | 187.9 | 706.4 | 508.2 | 706.4 | 508.2 |
| Washington | 3,096.5 | 3,073.1 | 19.7 | 19.7 | 0.0 | 0.0 | 21,222.6 | 21,294.3 | 384.4 | 384.4 | 0.0 | 0.0 | 24,723.2 | 24,771.5 | 184.5 | 159.8 | 204.2 | 179.5 | 204.2 | 179.5 |
| Pacific Noncontiguous | 266.6 | 266.2 | 269.8 | 124.1 | 0.0 | 0.0 | 503.0 | 503.0 | 160.9 | 273.9 | 43.0 | 43.0 | 1,243.3 | 1,210.2 | 706.8 | 654.8 | 976.6 | 778.9 | 976.6 | 778.9 |
| Alaska | 61.0 | 60.6 | 0.0 | 0.0 | 0.0 | 0.0 | 470.6 | 470.6 | 7.0 | 7.0 | 0.0 | 0.0 | 538.6 | 538.2 | 6.5 | 3.9 | 6.5 | 3.9 | 6.5 | 3.9 |
| Hawaii | 205.6 | 205.6 | 269.8 | 124.1 | 0.0 | 0.0 | 32.4 | 32.4 | 153.9 | 266.9 | 43.0 | 43.0 | 704.7 | 672.0 | 700.4 | 650.9 | 970.2 | 775.0 | 970.2 | 775.0 |
| U.S. Total | 107,893.4 | 98,387.3 | 40,081.7 | 32,053.9 | 1,758.1 | 1,757.9 | 79,810.3 | 79,880.5 | 13,039.8 | 13,488.3 | 2,555.4 | 2,459.1 | 245,138.7 | 228,027.0 | 25,603.3 | 21,473.3 | 65,685.0 | 53,527.2 | 67,443.1 | 55,285.1 |

NM = Not meaningful due to large relative standard error.
Values are preliminary.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

**Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, July 2020 and 2019 (Megawatts)**

| Census Division and State | Natural Gas Fired Combined Cycle | | Natural Gas Fired Combustion Turbine | | Other Natural Gas | | Coal | | Petroleum Coke | | Petroleum Liquids | | Other Gases | | Total Fossil Fuels | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 | July 2020 | July 2019 |
| New England | 14,278.6 | 14,267.4 | 1,776.0 | 1,581.4 | 1,506.9 | 1,116.3 | 917.3 | 917.3 | 0.0 | 0.0 | 5,736.9 | 6,318.6 | 0.0 | 0.0 | 24,215.7 | 24,201.0 |
| Connecticut | 3,984.2 | 3,989.7 | 580.4 | 563.0 | 888.3 | 878.7 | 383.4 | 383.4 | 0.0 | 0.0 | 2,034.9 | 2,034.9 | 0.0 | 0.0 | 7,871.2 | 7,849.7 |
| Maine | 1,285.6 | 1,284.3 | 322.3 | 144.3 | 12.5 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 878.9 | 1,037.7 | 0.0 | 0.0 | 2,499.3 | 2,478.8 |
| Massachusetts | 5,960.6 | 5,948.2 | 857.1 | 857.9 | 180.5 | 199.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2,576.4 | 2,599.2 | 0.0 | 0.0 | 9,574.6 | 9,605.0 |
| New Hampshire | 1,258.0 | 1,258.0 | 3.8 | 3.8 | 400.2 | 0.0 | 533.9 | 533.9 | 0.0 | 0.0 | 94.0 | 494.2 | 0.0 | 0.0 | 2,289.9 | 2,289.9 |
| Rhode Island | 1,790.2 | 1,787.2 | 12.4 | 12.4 | 25.4 | 25.4 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 7.1 | 0.0 | 0.0 | 1,835.1 | 1,832.1 |
| Vermont | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 145.6 | 145.5 | 0.0 | 0.0 | 145.6 | 145.5 |
| Middle Atlantic | 36,423.7 | 33,221.3 | 7,894.3 | 7,853.0 | 14,143.9 | 14,471.3 | 10,346.8 | 11,960.7 | 11.6 | 78.6 | 5,363.5 | 5,338.9 | 115.9 | 130.7 | 74,299.7 | 73,054.5 |
| New Jersey | 8,579.0 | 8,556.3 | 2,844.3 | 2,826.3 | 68.5 | 46.9 | 463.0 | 463.0 | 11.6 | 11.6 | 246.1 | 239.0 | 29.0 | 29.0 | 12,241.5 | 12,172.1 |
| New York | 9,944.0 | 8,893.9 | 3,177.6 | 3,165.7 | 9,739.1 | 9,675.0 | 652.1 | 1,631.5 | 0.0 | 0.0 | 3,550.1 | 3,544.6 | 0.0 | 0.0 | 27,062.9 | 26,910.7 |
| Pennsylvania | 17,900.7 | 15,771.1 | 1,872.4 | 1,861.0 | 4,336.3 | 4,749.4 | 9,231.7 | 9,866.2 | 0.0 | 67.0 | 1,567.3 | 1,555.3 | 86.9 | 101.7 | 34,995.3 | 33,971.7 |
| East North Central | 22,411.8 | 21,678.0 | 26,489.8 | 26,727.7 | 5,620.5 | 5,743.3 | 49,919.2 | 53,530.2 | 247.6 | 247.6 | 2,323.8 | 2,455.8 | 1,084.9 | 1,092.9 | 108,097.6 | 111,475.5 |
| Illinois | 3,577.7 | 3,580.2 | 10,530.4 | 10,525.1 | 1,626.7 | 1,629.8 | 10,615.5 | 12,626.0 | 0.0 | 0.0 | 672.9 | 673.9 | 36.5 | 36.5 | 27,059.7 | 29,071.5 |
| Indiana | 3,866.0 | 3,866.0 | 3,256.3 | 3,346.3 | 746.8 | 730.0 | 15,245.7 | 15,245.7 | 0.0 | 0.0 | 98.3 | 98.3 | 619.3 | 619.3 | 23,832.4 | 23,905.6 |
| Michigan | 4,451.9 | 4,394.3 | 3,850.1 | 3,874.0 | 2,411.4 | 2,558.5 | 8,521.2 | 8,608.3 | 47.2 | 47.2 | 464.8 | 463.5 | 250.0 | 250.0 | 19,996.6 | 20,195.8 |
| Ohio | 7,037.8 | 7,026.4 | 5,636.7 | 5,620.1 | 205.5 | 185.1 | 9,996.0 | 11,496.0 | 142.0 | 142.0 | 507.5 | 584.6 | 179.1 | 187.1 | 23,704.6 | 25,241.3 |
| Wisconsin | 3,478.4 | 2,811.1 | 3,216.3 | 3,362.2 | 630.1 | 639.9 | 5,540.8 | 5,554.2 | 58.4 | 58.4 | 580.3 | 635.5 | 0.0 | 0.0 | 13,504.3 | 13,061.3 |
| West North Central | 7,041.6 | 6,816.1 | 11,591.5 | 11,681.4 | 3,722.6 | 3,803.2 | 32,759.1 | 33,079.3 | 32.0 | 39.5 | 3,854.8 | 3,875.3 | 8.4 | 8.4 | 59,010.0 | 59,303.2 |
| Iowa | 1,829.0 | 1,781.0 | 1,226.8 | 1,259.4 | 591.3 | 539.2 | 5,343.8 | 5,371.7 | 32.0 | 39.5 | 824.7 | 817.4 | 0.0 | 0.0 | 9,847.6 | 9,808.2 |
| Kansas | 266.0 | 266.0 | 2,158.1 | 2,156.8 | 1,185.6 | 1,357.8 | 4,678.5 | 4,679.8 | 0.0 | 0.0 | 557.9 | 564.4 | 0.0 | 0.0 | 8,846.1 | 9,024.8 |
| Minnesota | 2,496.0 | 2,346.0 | 2,544.8 | 2,616.8 | 375.2 | 381.6 | 4,180.5 | 4,157.9 | 0.0 | 0.0 | 767.4 | 769.2 | 0.0 | 0.0 | 10,363.9 | 10,271.5 |
| Missouri | 1,817.4 | 1,794.9 | 3,394.7 | 3,396.8 | 869.5 | 878.5 | 10,266.5 | 10,486.5 | 0.0 | 0.0 | 1,105.5 | 1,115.3 | 0.0 | 0.0 | 17,453.6 | 17,672.0 |
| Nebraska | 338.2 | 338.2 | 1,148.4 | 1,149.0 | 521.7 | 525.8 | 3,867.0 | 3,867.0 | 0.0 | 0.0 | 321.0 | 321.8 | 0.0 | 0.0 | 6,196.3 | 6,201.8 |
| North Dakota | 0.0 | 0.0 | 414.0 | 408.0 | 167.0 | 111.6 | 3,948.8 | 4,042.4 | 0.0 | 0.0 | 63.2 | 63.2 | 8.4 | 8.4 | 4,601.4 | 4,633.6 |
| South Dakota | 295.0 | 290.0 | 704.7 | 694.6 | 12.3 | 8.7 | 474.0 | 474.0 | 0.0 | 0.0 | 215.1 | 224.0 | 0.0 | 0.0 | 1,701.1 | 1,691.3 |
| South Atlantic | 61,768.0 | 61,167.2 | 31,904.5 | 32,021.6 | 7,268.9 | 6,843.1 | 50,957.1 | 51,948.1 | 142.8 | 142.8 | 8,660.5 | 8,957.9 | 135.0 | 135.0 | 160,836.8 | 161,215.7 |
| Delaware | 1,504.0 | 1,511.0 | 272.0 | 317.2 | 842.0 | 843.1 | 410.0 | 410.0 | 0.0 | 0.0 | 158.5 | 114.1 | 135.0 | 135.0 | 3,321.5 | 3,330.4 |
| District of Columbia | 0.0 | 0.0 | 20.6 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.6 | 16.5 |
| Florida | 31,864.2 | 31,594.8 | 7,942.7 | 7,755.1 | 2,521.7 | 2,493.2 | 7,802.0 | 7,804.0 | 59.0 | 59.0 | 3,296.6 | 3,298.6 | 0.0 | 0.0 | 53,486.2 | 53,004.7 |
| Georgia | 8,009.5 | 7,992.9 | 7,803.2 | 7,791.0 | 842.9 | 842.9 | 8,416.0 | 8,416.0 | 83.8 | 83.8 | 945.4 | 945.4 | 0.0 | 0.0 | 26,100.8 | 26,072.0 |
| Maryland | 2,709.1 | 2,849.1 | 1,851.7 | 1,994.0 | 1,416.1 | 1,416.1 | 4,152.0 | 4,270.0 | 0.0 | 0.0 | 1,171.3 | 1,277.4 | 0.0 | 0.0 | 11,300.2 | 11,806.6 |
| North Carolina | 5,628.2 | 5,068.0 | 6,050.4 | 6,050.7 | 1.0 | 1.0 | 10,011.2 | 10,389.2 | 0.0 | 0.0 | 502.0 | 502.6 | 0.0 | 0.0 | 22,192.8 | 22,011.5 |
| South Carolina | 3,185.0 | 3,185.0 | 2,625.2 | 2,758.4 | 950.0 | 546.0 | 4,769.0 | 5,212.0 | 0.0 | 0.0 | 234.9 | 466.9 | 0.0 | 0.0 | 11,764.1 | 12,168.3 |
| Virginia | 8,868.0 | 8,966.4 | 4,245.3 | 4,245.3 | 579.7 | 585.3 | 2,878.9 | 2,878.9 | 0.0 | 0.0 | 2,340.8 | 2,341.9 | 0.0 | 0.0 | 18,912.7 | 19,017.8 |
| West Virginia | 0.0 | 0.0 | 1,093.4 | 1,093.4 | 115.5 | 115.5 | 12,518.0 | 12,568.0 | 0.0 | 0.0 | 11.0 | 11.0 | 0.0 | 0.0 | 13,737.9 | 13,787.9 |
| East South Central | 21,797.2 | 21,746.2 | 12,714.7 | 12,669.7 | 4,308.4 | 4,306.1 | 22,484.6 | 23,844.1 | 0.0 | 0.0 | 106.7 | 106.7 | 19.8 | 19.8 | 61,431.4 | 62,692.6 |
| Alabama | 9,754.8 | 9,699.0 | 2,575.8 | 2,575.8 | 1,957.8 | 1,939.1 | 5,284.3 | 5,276.0 | 0.0 | 0.0 | 42.6 | 42.6 | 19.8 | 19.8 | 19,635.1 | 19,552.3 |
| Kentucky | 1,763.0 | 1,763.0 | 4,931.2 | 4,976.6 | 260.0 | 260.0 | 9,911.0 | 11,278.8 | 0.0 | 0.0 | 11.9 | 11.9 | 0.0 | 0.0 | 16,877.1 | 18,290.3 |
| Mississippi | 7,824.3 | 7,829.1 | 1,375.2 | 1,336.8 | 2,024.4 | 2,040.8 | 1,444.0 | 1,444.0 | 0.0 | 0.0 | 9.0 | 9.0 | 0.0 | 0.0 | 12,676.9 | 12,659.7 |
| Tennessee | 2,455.1 | 2,455.1 | 3,832.5 | 3,780.5 | 66.2 | 66.2 | 5,845.3 | 5,845.3 | 0.0 | 0.0 | 43.2 | 43.2 | 0.0 | 0.0 | 12,242.3 | 12,190.3 |
| West South Central | 62,777.6 | 61,265.1 | 14,984.7 | 14,534.6 | 30,408.5 | 31,839.4 | 30,119.1 | 30,645.4 | 878.9 | 954.7 | 169.1 | 175.6 | 818.3 | 830.8 | 140,156.2 | 140,245.6 |
| Arkansas | 4,609.8 | 4,608.8 | 702.8 | 702.8 | 796.0 | 796.0 | 5,163.4 | 5,122.6 | 0.0 | 0.0 | 9.0 | 12.2 | 0.0 | 0.0 | 11,281.0 | 11,242.4 |
| Louisiana | 9,654.2 | 8,430.6 | 2,665.1 | 2,365.1 | 6,064.1 | 6,050.2 | 2,837.1 | 2,833.7 | 815.1 | 890.9 | 43.2 | 43.1 | 407.4 | 407.4 | 22,486.2 | 21,021.0 |
| Oklahoma | 7,321.2 | 7,307.2 | 1,630.9 | 1,686.9 | 5,706.1 | 5,764.1 | 3,246.0 | 3,322.5 | 0.0 | 0.0 | 74.4 | 74.4 | 0.0 | 0.0 | 17,978.6 | 18,155.1 |
| Texas | 41,192.4 | 40,918.5 | 9,985.9 | 9,779.8 | 17,842.3 | 19,229.1 | 18,872.6 | 19,366.6 | 63.8 | 63.8 | 42.5 | 45.9 | 410.9 | 423.4 | 88,410.4 | 89,827.1 |
| Mountain | 22,546.5 | 22,539.8 | 9,137.3 | 9,163.1 | 3,629.4 | 3,615.4 | 23,725.5 | 26,765.5 | 52.0 | 52.0 | 349.9 | 349.9 | 103.5 | 103.5 | 59,544.1 | 62,589.2 |
| Arizona | 9,908.6 | 9,908.6 | 2,899.0 | 2,891.1 | 1,278.6 | 1,258.6 | 3,329.0 | 5,579.0 | 0.0 | 0.0 | 90.5 | 90.5 | 0.0 | 0.0 | 17,505.7 | 19,727.8 |
| Colorado | 3,249.5 | 3,249.5 | 2,538.0 | 2,568.1 | 639.0 | 639.0 | 4,340.0 | 4,440.0 | 0.0 | 0.0 | 166.4 | 166.4 | 0.0 | 0.0 | 10,932.9 | 11,063.0 |
| Idaho | 547.7 | 547.7 | 552.0 | 552.0 | 8.2 | 13.5 | 8.5 | 8.5 | 0.0 | 0.0 | 5.4 | 5.4 | 0.0 | 0.0 | 1,121.8 | 1,127.1 |
| Montana | 0.0 | 0.0 | 315.8 | 321.6 | 72.2 | 72.2 | 1,683.6 | 2,297.6 | 52.0 | 52.0 | 0.0 | 0.0 | 1.5 | 1.5 | 2,125.1 | 2,744.9 |
| Nevada | 5,445.0 | 5,445.0 | 1,185.6 | 1,185.6 | 444.6 | 444.6 | 740.4 | 740.4 | 0.0 | 0.0 | 6.0 | 6.0 | 0.0 | 0.0 | 7,821.6 | 7,821.6 |
| New Mexico | 1,471.7 | 1,465.0 | 957.0 | 956.9 | 847.7 | 846.4 | 2,640.0 | 2,640.0 | 0.0 | 0.0 | 48.0 | 48.0 | 0.0 | 0.0 | 5,964.4 | 5,956.3 |
| Utah | 1,830.0 | 1,830.0 | 536.3 | 534.2 | 328.2 | 328.2 | 4,581.0 | 4,654.0 | 0.0 | 0.0 | 27.8 | 27.8 | 0.0 | 0.0 | 7,303.3 | 7,374.2 |
| Wyoming | 94.0 | 94.0 | 153.6 | 153.6 | 10.9 | 12.9 | 6,403.0 | 6,406.0 | 0.0 | 0.0 | 5.8 | 5.8 | 102.0 | 102.0 | 6,769.3 | 6,774.3 |
| Pacific Contiguous | 26,411.9 | 25,852.8 | 12,089.9 | 12,099.0 | 5,445.2 | 6,958.4 | 1,982.0 | 1,982.0 | 20.0 | 17.0 | 469.8 | 471.4 | 221.4 | 221.4 | 46,640.2 | 47,602.0 |
| California | 20,404.3 | 19,834.3 | 11,236.7 | 11,245.8 | 5,189.2 | 6,702.4 | 57.0 | 57.0 | 20.0 | 17.0 | 454.6 | 456.2 | 221.4 | 221.4 | 37,583.2 | 38,534.1 |
| Oregon | 3,372.0 | 3,382.9 | 133.8 | 133.8 | 224.4 | 224.4 | 585.0 | 585.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4,315.2 | 4,326.1 |
| Washington | 2,635.6 | 2,635.6 | 719.4 | 719.4 | 31.6 | 31.6 | 1,340.0 | 1,340.0 | 0.0 | 0.0 | 15.2 | 15.2 | 0.0 | 0.0 | 4,741.8 | 4,741.8 |
| Pacific Noncontiguous | 477.2 | 479.2 | 631.1 | 631.1 | 175.0 | 175.0 | 348.9 | 332.8 | 0.0 | 0.0 | 2,730.7 | 2,605.1 | 0.0 | 6.4 | 4,362.9 | 4,229.6 |
| Alaska | 477.2 | 479.2 | 631.1 | 631.1 | 175.0 | 175.0 | 168.9 | 152.8 | 0.0 | 0.0 | 739.4 | 733.2 | 0.0 | 0.0 | 2,191.6 | 2,171.3 |
| Hawaii | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 180.0 | 180.0 | 0.0 | 0.0 | 1,991.3 | 1,871.9 | 0.0 | 6.4 | 2,171.3 | 2,058.3 |
| U.S. Total | 275,934.1 | 269,033.1 | 129,213.8 | 128,962.6 | 76,229.3 | 78,871.5 | 223,559.6 | 235,005.4 | 1,384.9 | 1,532.2 | 29,765.7 | 30,655.2 | 2,507.2 | 2,548.9 | 738,594.6 | 746,608.9 |

NM = Not meaningful due to large relative standard error.
Values are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of existing or planned capacity for some technologies such as solar photovoltaic generation.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

## Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 1 | 61012 | AES Distributed Energy | IPP | AES Tonawanda Solar LLC | NY | 63161 | TNWDA | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 61012 | AES Distributed Energy | IPP | RT 52 Walden Solar 1, LLC Hybrid | NY | 63000 | BESS | 4.0 | Batteries | MWH | BA |
| 2020 | 1 | 63115 | AZ Solar 1, LLC | IPP | OE_AZ1 | AZ | 63349 | AZ1 | 32.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60281 | Altus Power America Management, LLC | IPP | FastSun 18 CSG | MN | 63034 | FS18 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60281 | Altus Power America Management, LLC | IPP | FastSun 5 CSG | MN | 63045 | FS5 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63049 | Cannon Garden LLC | IPP | Cannon Garden Solar | MN | 63252 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63466 | Conductive Power | IPP | Ben Moreell Solar Farm | NJ | 63786 | BMSF | 20.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 56769 | Consolidated Edison Development Inc. | IPP | PA Solar Park II | PA | 63520 | PASP2 | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63120 | Cubera Solar, LLC | IPP | Cubera Solar, LLC | NC | 63346 | PGR06 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62801 | DG Linden New Jersey LLC | IPP | DG Infineum | NJ | 62958 | INFNM | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Asheville | NC | 2706 | CT7 | 153.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 1 | 61785 | EDP Renewables North America LLC | IPP | Sun Streams, LLC | AZ | 60827 | GEN01 | 160.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60496 | Enerparc Inc. | IPP | Brush Solar Center | OR | 61844 | BRUSH | 2.8 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 12685 | Entergy Mississippi LLC | Electric Utility | Hinds Energy Facility | MS | 55218 | H04BS | 36.4 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 1 | 6452 | Florida Power & Light Co | Electric Utility | Babcock Preserve | FL | 62634 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 6452 | Florida Power & Light Co | Electric Utility | Blue Heron Solar | FL | 62631 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 6452 | Florida Power & Light Co | Electric Utility | Cattle Ranch | FL | 62632 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 6452 | Florida Power & Light Co | Electric Utility | Northern Preserve Solar | FL | 62645 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 6452 | Florida Power & Light Co | Electric Utility | Sweetbay Solar Center | FL | 62394 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 6452 | Florida Power & Light Co | Electric Utility | Twin Lakes | FL | 62633 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62856 | Forefront Power, LLC | IPP | White CSG | MD | 63085 | 15124 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 61374 | Foxtail Wind, LLC | Electric Utility | Foxtail Wind, LLC | ND | 61747 | 1 | 150.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 63114 | GA Solar 3, LLC | IPP | OE_GA3 | GA | 63350 | GA3 | 57.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62062 | GD Richmond Buttonwoods I, LLC | IPP | GD Richmond Buttonwoods I, LLC | RI | 62567 | GDBUT | 1.3 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62061 | GD West Greenwich Victory I, LLC | IPP | GD West Greenwich Victory I, LLC | RI | 62568 | GDVIC | 1.8 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 61194 | Generate Capital | IPP | Kelly Bridge Road Community Solar Farm | NY | 62154 | 12 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 61194 | Generate Capital | IPP | Sacket Lake Rd #1 Community Solar Farm | NY | 62158 | 11 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 61728 | GlidePath Power Operations LLC | IPP | Prospect Storage | TX | 62753 | BESS | 9.9 | Batteries | MWH | BA |
| 2020 | 1 | 60025 | Greenbacker Renewable Energy Corporation | IPP | Platteville Solar CSG, LLC | CO | 63753 | 218 | 1.3 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60025 | Greenbacker Renewable Energy Corporation | IPP | Sol Phoenix | MD | 62331 | SOLPH | 2.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 54769 | INEOS USA LLC | Industrial | Power Island | TX | 10154 | GEN2 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 1 | 60986 | Imperial Valley Solar 2, LLC | IPP | Mount Signal Solar Farm II | CA | 61353 | IVS2 | 153.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 9417 | Interstate Power and Light Co | Electric Utility | Whispering Willow North | IA | 62079 | 1 | 201.3 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 62838 | LSE Dorado, LLC | IPP | Goose Pond Solar | MA | 62992 | GPNOR | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62838 | LSE Dorado, LLC | IPP | Goose Pond Solar | MA | 62992 | GPSOU | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 12341 | MidAmerican Energy Co | Electric Utility | Palo Alto Wind Farm | IA | 63053 | PAWF | 250.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 61925 | Middlesex-Yates Solar, LLC | IPP | Daum Solar | NY | 62412 | DAUM | 4.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63048 | Misae Lessee LLC | IPP | Misae Solar | TX | 62249 | 77777 | 240.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 56990 | NJR Clean Energy Ventures Corporation | IPP | Franklin Solar | NJ | 63149 | FRANK | 8.8 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 56990 | NJR Clean Energy Ventures Corporation | IPP | Pohatcong Solar Farm | NJ | 63150 | POHAT | 8.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63402 | Oak Leaf Solar XXXIII LLC (Lantz-Chaffey) | IPP | Oak Leaf Solar XXXIII LLC (Lantz) | CO | 63681 | 13 | 1.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63402 | Oak Leaf Solar XXXIII LLC (Lantz-Chaffey) | IPP | Oak Leaf Solar XXXIII LLC (Lantz) | CO | 63681 | 14 | 1.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63491 | Partridgeville Road Solar 1, LLC | IPP | Partridgeville Hybrid CSG | MA | 63804 | PAR | 3.3 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63491 | Partridgeville Road Solar 1, LLC | IPP | Partridgeville Hybrid CSG | MA | 63804 | PBESS | 2.0 | Batteries | MWH | BA |
| 2020 | 1 | 62796 | Paulding Wind Farm IV LLC | IPP | Timber Road IV | OH | 62944 | TRIV | 125.1 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 62964 | Prawer Community Solar LLC | IPP | Prawer Project CSG | MN | 63176 | TC3 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 16191 | Robbins Lumber Inc | Industrial | Robbins Lumber | ME | 50230 | WEG | 8.5 | Wood/Wood Waste Biomass | WDS | ST |
| 2020 | 1 | 60975 | SR Innovation, LLC | IPP | SR Innovation - NIKE PV | TN | 61332 | NIKE2 | 1.7 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62966 | STAG St. Paul Community Solar LLC | IPP | STAG St. Paul Project CSG | MN | 63178 | TC3 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60531 | Standard Solar | IPP | Mtn. Solar 3 CSG | CO | 63379 | X0134 | 1.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60531 | Standard Solar | IPP | USS Cheyenne Solar LLC CSG | MN | 63145 | CHYNE | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60531 | Standard Solar | IPP | USS Greenhouse Solar LLC CSG | MN | 63143 | GRHSE | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 60531 | Standard Solar | IPP | USS Turkey Solar LLC CSG | MN | 63148 | TURKY | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 62906 | Syncarpha Questa I, LLC | IPP | Syncarpha Questa | NM | 63125 | SYNQU | 1.6 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC10 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 1 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC6 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 1 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC7 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 1 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC8 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 1 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC9 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 1 | 63188 | West Deptford Distributed Solar, LLC | IPP | Solvay Solar | NJ | 63452 | SSP | 6.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 63535 | Westerlo NY 1, LLC | IPP | Westerlo NY 1 | NY | 63858 | 8175A | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 1 | 20854 | Winnebago County | Electric CHP | Winnebago County Landfill Gas | WI | 50936 | EG2R | 0.6 | Landfill Gas | LFG | IC |
| 2020 | 2 | 61669 | AES Alamitos Energy, LLC | IPP | AES Alamitos Energy Center | CA | 62115 | 1A | 194.0 | Natural Gas Fired Combined Cycle | NG | CT |

## Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 2 | 61669 | AES Alamitos Energy, LLC | IPP | AES Alamitos Energy Center | CA | 62115 | 1B | 194.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 2 | 61669 | AES Alamitos Energy, LLC | IPP | AES Alamitos Energy Center | CA | 62115 | 1S | 215.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 2 | 61670 | AES Huntington Beach Energy, LLC | IPP | AES Huntington Beach Energy Project | CA | 62116 | 1A | 194.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 2 | 61670 | AES Huntington Beach Energy, LLC | IPP | AES Huntington Beach Energy Project | CA | 62116 | 1B | 194.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 2 | 61670 | AES Huntington Beach Energy, LLC | IPP | AES Huntington Beach Energy Project | CA | 62116 | 1S | 215.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 2 | 61608 | Agilon Energy Holdings II, LLC | IPP | Victoria City Power LLC | TX | 61241 | VC-1 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 2 | 61608 | Agilon Energy Holdings II, LLC | IPP | Victoria City Power LLC | TX | 61241 | VC-2 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 2 | 62627 | Alchemy Renewable Energy | IPP | Duus Solar, LLC | OR | 63330 | ORDUS | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 62627 | Alchemy Renewable Energy | IPP | Firwood Solar, LLC | OR | 63331 | ORFWD | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 16873 | City of Sebewaing - (MI) | Electric Utility | Pine Street | MI | 7806 | 7 | 4.4 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 2 | 58970 | Ecoplexus, Inc | IPP | Grandy PV 1 | NC | 59518 | GRAND | 20.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 60496 | Enerparc Inc. | IPP | Baker City Solar | OR | 61854 | BAKER | 15.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 63143 | Falls Creek Garden LLC | IPP | Falls Creek Garden | MN | 63394 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 62856 | Forefront Power, LLC | IPP | Howell CSG | NY | 63107 | 1725 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61194 | Generate Capital | IPP | Boas Rd #4 Community Solar Farm | NY | 62533 | 1023 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61194 | Generate Capital | IPP | Burritt Rd Community Solar Farm | NY | 62480 | 635 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61194 | Generate Capital | IPP | Villa Roma Rd #1 | NY | 62525 | 40 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61194 | Generate Capital | IPP | Villa Roma Rd #2 | NY | 62526 | 41 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61194 | Generate Capital | IPP | Washington St Community Solar Farm #1 | NY | 62472 | 617 | 2.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61194 | Generate Capital | IPP | Washington St Community Solar Farm #4 | NY | 62471 | 1034 | 2.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 63228 | Gohman Community Solar LLC | IPP | Gohman Community Solar (CSG) | MN | 63484 | GOHMN | 1.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 62106 | Hidalgo Wind Farm II LLC | IPP | Hidalgo Wind Farm II | TX | 62618 | WT | 50.4 | Onshore Wind Turbine | WND | WT |
| 2020 | 2 | 54769 | INEOS USA LLC | Industrial | Power Island | TX | 10154 | GEN3 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 2 | 61620 | IOS II LLC | IPP | IOS II-LAX9 | CA | 63414 | IOSII | 3.7 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 9417 | Interstate Power and Light Co | Electric Utility | Marshalltown Generating Station | IA | 58236 | PV1 | 2.6 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 49893 | Invenergy Services LLC | IPP | Camilla Solar Energy Project | GA | 61785 | CAMSR | 171.4 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 63213 | Jemez Cuba LLC | IPP | Alcalde Solar Array | NM | 63477 | SOLAR | 2.4 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 61957 | Kearny Mesa Storage LLC | IPP | Kearny Mesa Storage LLC | CA | 62441 | U1 | 1.0 | Batteries | MWH | BA |
| 2020 | 2 | 63158 | Loon Garden LLC | IPP | Loon Garden | MN | 63397 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 62915 | Madison Energy Holdings LLC | IPP | Goodhue Community Solar One LLC CSG | MN | 63380 | 52829 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 62915 | Madison Energy Holdings LLC | IPP | Goodhue Community Solar Three LLC CSG | MN | 63417 | 52831 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 12341 | MidAmerican Energy Co | Electric Utility | Arbor Hill Wind Farm | IA | 62132 | 1 | 60.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 2 | 63462 | NY- CSG- Livingston 4 | IPP | NY- CSG- Livingston 4 | NY | 63781 | LIV4 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 62832 | Novel Herber Solar LLC CSG | IPP | Novel Herber Solar CSG | MN | 62966 | HERB | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 60531 | Standard Solar | IPP | USS Midtown Solar LLC CSG | MN | 63146 | MDTWN | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 63144 | Star Garden LLC | IPP | Star Garden | MN | 63395 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 63131 | Strandness Garden LLC | IPP | Strandness Garden | MN | 63367 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 18454 | Tampa Electric Co | Electric Utility | Little Manatee River Solar | FL | 62750 | GEN1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 60947 | Tesla Inc. | IPP | Walnut Unified School District Walnut HS Hybrid | CA | 63510 | PV1 | 1.8 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 60947 | Tesla Inc. | IPP | Walnut Unified School District Walnut HS Hybrid | CA | 63510 | ST1 | 0.5 | Batteries | MWH | BA |
| 2020 | 2 | 19511 | University of Alaska | Commercial | University of Alaska Fairbanks | AK | 50711 | GEN5 | 17.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 2 | 62701 | Vista Solar, Inc. | IPP | Shelter Creek Condominiums Solar | CA | 62806 | SCC01 | 2.4 | Solar Photovoltaic | SUN | PV |
| 2020 | 2 | 57354 | X-Elio North America Inc | IPP | Lily Solar | SC | 63548 | 1 | 70.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60571 | AEP Onsite Partners | IPP | Galesburg Solar Array | IL | 63399 | GWA01 | 1.4 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 61012 | AES Distributed Energy | IPP | Hurteau Solar Project Hybrid | MA | 63468 | BATT | 1.3 | Batteries | MWH | BA |
| 2020 | 3 | 61012 | AES Distributed Energy | IPP | Hurteau Solar Project Hybrid | MA | 63468 | HURTU | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60281 | Altus Power America Management, LLC | IPP | FastSun 10 CSG | MN | 63038 | FS10 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60281 | Altus Power America Management, LLC | IPP | FastSun 11 CSG | MN | 63037 | FS11 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60281 | Altus Power America Management, LLC | IPP | FastSun 9 CSG | MN | 63040 | FS9 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60146 | Ameresco Federal Solutions | IPP | NASA Wallops Flight Facility Solar | VA | 62948 | CRPT5 | 0.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60146 | Ameresco Federal Solutions | IPP | NASA Wallops Flight Facility Solar | VA | 62948 | CRPT6 | 0.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60146 | Ameresco Federal Solutions | IPP | NASA Wallops Flight Facility Solar | VA | 62948 | CRPT7 | 0.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60146 | Ameresco Federal Solutions | IPP | NASA Wallops Flight Facility Solar | VA | 62948 | TRCK1 | 4.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 15399 | Avangrid Renewables LLC | IPP | Otter Creek Wind Farm LLC | IL | 61344 | WT1 | 150.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 56953 | Bos Dairy, LLC | Industrial | Bos Dairy, LLC | IN | 57625 | BOS4 | 0.9 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 63157 | Buffalo Garden LLC | IPP | Buffalo Garden | MN | 63396 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 59365 | Capital Power Corporation | IPP | Cardinal Point LLC | IL | 59902 | GEN | 150.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 60656 | Chestnut Solar LLC | IPP | Chestnut Solar | NC | 61011 | PV1 | 74.9 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 63177 | Chub Garden LLC | IPP | Chub Garden Solar | MN | 63430 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 16873 | City of Sebewaing - (MI) | Electric Utility | Pine Street | MI | 7806 | 8 | 3.3 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 18488 | City of Taunton | Electric Utility | Cleary Flood Hybrid | MA | 1682 | BS1 | 2.9 | Batteries | MWH | BA |
| 2020 | 3 | 56769 | Consolidated Edison Development Inc. | IPP | Lakehurst Solar | NJ | 63503 | LAKHS | 9.6 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 63338 | Crown Solar Center, LLC | IPP | Crown | SC | 63635 | CROWN | 3.0 | Solar Photovoltaic | SUN | PV |

## Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 3 | 63450 | DG South Carolina Solar, LLC | IPP | Omtanke Solar | SC | 63756 | DGSC1 | 6.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 6455 | Duke Energy Florida, LLC | Electric Utility | Columbia Solar Power Plant | FL | 61982 | PV1 | 74.9 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 56201 | Engie North America | IPP | East Fork Wind Project, LLC | KS | 62220 | WTGS | 195.8 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 56201 | Engie North America | IPP | Jumbo Hill Wind Project | TX | 62630 | WTGS1 | 160.7 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 11241 | Entergy Louisiana LLC | Electric Utility | Lake Charles Power | LA | 60927 | 1A | 250.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 3 | 11241 | Entergy Louisiana LLC | Electric Utility | Lake Charles Power | LA | 60927 | 1B | 250.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 3 | 11241 | Entergy Louisiana LLC | Electric Utility | Lake Charles Power | LA | 60927 | 1C | 500.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 3 | 62856 | Forefront Power, LLC | IPP | Fresno Bullard High School Hybrid | CA | 63420 | 903 | 1.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 62856 | Forefront Power, LLC | IPP | Fresno Bullard High School Hybrid | CA | 63420 | BA903 | 0.4 | Batteries | MWH | BA |
| 2020 | 3 | 62856 | Forefront Power, LLC | IPP | Fresno Hoover High School Hybrid | CA | 63421 | 291 | 1.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 62856 | Forefront Power, LLC | IPP | Fresno Hoover High School Hybrid | CA | 63421 | BA291 | 0.2 | Batteries | MWH | BA |
| 2020 | 3 | 63339 | Fort Rock Solar I, LLC | IPP | Fort Rock I | OR | 63636 | FR1 | 9.9 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60025 | Greenbacker Renewable Energy Corporation | IPP | Blue Star | MD | 62332 | BLUES | 7.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60025 | Greenbacker Renewable Energy Corporation | IPP | IGS CC, LLC | DC | 63428 | 254 | 1.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 60025 | Greenbacker Renewable Energy Corporation | IPP | IGS FE Trenton, LLC | NJ | 63626 | 229 | 1.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 9417 | Interstate Power and Light Co | Electric Utility | Golden Plains | IA | 62081 | 1 | 199.8 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 62085 | Mesquite Star LLC | IPP | Mesquite Star | TX | 62587 | MESQ | 418.9 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 63534 | Middletown NY 1, LLC | IPP | Middletown NY 1 | NY | 63857 | 8175B | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 63175 | Mud Garden LLC | IPP | Mud Garden Solar | MN | 63427 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 63461 | NY- CSG- Johnstown 2 | IPP | NY- CSG- Johnstown 2 | NY | 63780 | JOHN2 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 63185 | Neighborhood Power Corp. | IPP | St Louis Solar | OR | 63456 | W9319 | 2.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 62837 | Novel DeCook Solar LLC CSG | IPP | Novel DeCook Solar CSG | MN | 62979 | DECO | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 61758 | Prevailing Wind Park, LLC | IPP | Prevailing Wind Park | SD | 62247 | PWPSD | 220.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 63187 | Rush Springs Energy Storage | IPP | Rush Springs Energy Storage (BA) | OK | 63458 | RUSHE | 10.0 | Batteries | MWH | BA |
| 2020 | 3 | 60163 | Soltage LLC | IPP | Ace Solar | SC | 61937 | 18 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 62971 | South Energy Investments LLC | IPP | South Windsor Fuel Cell | CT | 63302 | SWFC5 | 5.0 | Other Natural Gas | NG | FC |
| 2020 | 3 | 60531 | Standard Solar | IPP | NY 26 Carthage CSG | NY | 63224 | X0140 | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 63171 | Straight Garden LLC | IPP | Straight Garden Solar | MN | 63424 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 3 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC1 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC2 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC3 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC4 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 24211 | Tucson Electric Power Co | Electric Utility | H Wilson Sundt Generating Station | AZ | 126 | RIC5 | 18.2 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 3 | 62103 | Whitney Hill Wind Power LLC | IPP | Whitney Hill Wind Power LLC | IL | 62606 | WTHWP | 65.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 4 | 59496 | Allete Clean Energy | IPP | South Peak Wind | MT | 62939 | 41001 | 80.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 4 | 60289 | Blazing Star Wind Farm, LLC | IPP | Blazing Star Wind Farm 1 | MN | 60504 | BLZG1 | 200.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 4 | 18445 | City of Tallahassee - (FL) | Electric Utility | Arvah B Hopkins | FL | 688 | IC5 | 18.5 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 4 | 17568 | Cooperative Energy | Electric Utility | Benndale | MS | 2068 | BENU1 | 11.3 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 4 | 17568 | Cooperative Energy | Electric Utility | Benndale | MS | 2068 | BENU2 | 11.3 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 4 | 56534 | Cricket Valley Energy Center LLC | IPP | Cricket Valley Energy | NY | 57185 | U001 | 143.3 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 4 | 56534 | Cricket Valley Energy Center LLC | IPP | Cricket Valley Energy | NY | 57185 | U002 | 143.3 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 4 | 56534 | Cricket Valley Energy Center LLC | IPP | Cricket Valley Energy | NY | 57185 | U003 | 143.3 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 4 | 56534 | Cricket Valley Energy Center LLC | IPP | Cricket Valley Energy | NY | 57185 | U004 | 195.4 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 4 | 56534 | Cricket Valley Energy Center LLC | IPP | Cricket Valley Energy | NY | 57185 | U005 | 195.4 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 4 | 56534 | Cricket Valley Energy Center LLC | IPP | Cricket Valley Energy | NY | 57185 | U006 | 195.4 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 4 | 61060 | Cypress Creek Renewables | IPP | Huntley | SC | 63271 | 1295 | 75.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Asheville | NC | 2706 | ST8 | 102.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 4 | 58135 | Ecos Energy LLC | IPP | Plainfield Solar 2 | CT | 63263 | PLFD2 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63176 | Erin Garden LLC | IPP | Erin Garden Solar | MN | 63429 | CSG | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Echo River Solar | FL | 62490 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Hibiscus Solar Energy Center | FL | 62206 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Okeechobee Solar | FL | 62491 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Southfork Solar | FL | 62493 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 61944 | GSRP | IPP | Chevron - Lost Hills Hybrid | CA | 63545 | GEN1 | 30.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 61194 | Generate Capital | IPP | Washington St Community Solar Farm #3 | NY | 62473 | 1035 | 2.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 7801 | Gulf Power Co | Electric Utility | Gulf Power Blue Indigo Energy | FL | 63754 | SBI01 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63399 | Hertzberg Community Solar | IPP | Hertzberg Community (CSG) | MN | 63680 | HERTZ | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63398 | Laurel Village Community Solar LLC | IPP | Laurel Village (CSG) | MN | 63679 | LAUR | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Johnson Corner Solar 1 | KS | 62993 | KSJC1 | 20.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 62915 | Madison Energy Holdings LLC | IPP | Goodhue Community Solar Two LLC | MN | 63533 | 52830 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63442 | Mount Hope Solar 2 LLC | IPP | Mount Hope West | NY | 63748 | MHW | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 62863 | Novel Bartel Solar LLC CSG | IPP | Novel Bartel Solar CSG | MN | 63004 | BART | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 62833 | Novel Herickhoff Solar LLC CSG | IPP | Novel Herickhoff Solar CSG | MN | 62967 | HERIC | 1.0 | Solar Photovoltaic | SUN | PV |

## Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 4 | 62009 | Palmer Solar LLC | IPP | Palmer Solar | CO | 62495 | 20181 | 60.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63397 | Paulson Community Solar LLC | IPP | Paulson Community (CSG) | MN | 63678 | PAUL | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 16380 | RTC Properties Inc | Commercial | River Terminal Development Solar | NJ | 60843 | RTD6 | 0.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 60389 | Rabbit Hill Energy Storage Project | IPP | Rabbit Hill Energy Storage Project | TX | 60649 | 1 | 9.9 | Batteries | MWH | BA |
| 2020 | 4 | 63452 | Ralph's Grocery Company | Industrial | Kroger La Habra | CA | 63758 | KROLH | 1.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63357 | Sheriff Rd Solar LLC | IPP | Sheriff Road | MD | 63654 | SHRFF | 1.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 18454 | Tampa Electric Co | Electric Utility | Wimauma Solar | FL | 61667 | 1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 4 | 63173 | Zumbro Garden LLC | IPP | Zumbro Solar Garden | MN | 63426 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 61012 | AES Distributed Energy | IPP | Beals Medina Solar LLC CSG | NY | 63130 | BEALS | 3.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 59844 | Blythe Solar III, LLC | IPP | Blythe Solar III, LLC Hybrid | CA | 60094 | BLSL3 | 136.8 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 63205 | Brush Creek Solar, LLC | IPP | Brush Creek Solar | OR | 63464 | PGR19 | 2.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 62900 | Caden Energix Rives Road LLC | IPP | Caden Energix Rives Road LLC | VA | 63087 | ENX01 | 19.7 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 62855 | Clear Creek Wind, LLC | IPP | Clear Creek Wind | MO | 63025 | V110 | 22.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 62855 | Clear Creek Wind, LLC | IPP | Clear Creek Wind | MO | 63025 | V120 | 220.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 56769 | Consolidated Edison Development Inc. | IPP | CED Mason City Wind | IA | 63521 | MCW1 | 7.5 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 60370 | DG AMP Solar, LLC | IPP | DG AMP Rittman Rd | OH | 62941 | AMPRR | 2.6 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 5109 | DTE Electric Company | Electric Utility | Polaris Wind Park | MI | 62290 | 1 | 168.6 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 63207 | Drift Creek Solar, LLC | IPP | Drift Creek Solar | OR | 63466 | PGR18 | 2.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 6455 | Duke Energy Florida, LLC | Electric Utility | Debary Solar Power Plant | FL | 62542 | PV1 | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 60496 | Enerparc Inc. | IPP | Morgan Solar Center | OR | 61855 | MORGN | 3.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 60496 | Enerparc Inc. | IPP | Ontario Solar Center | OR | 61860 | ONTRO | 3.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 13478 | Entergy New Orleans, LLC | Electric Utility | New Orleans Power | LA | 60928 | 1 | 250.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 5 | 62759 | Geronimo Energy | IPP | Hydra Community Solar Garden, LLC (CSG) | MN | 63629 | HYDRA | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 60659 | Hickory Run Energy, LLC | IPP | Hickory Run Energy Station | PA | 61028 | CTG1 | 268.5 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 5 | 60659 | Hickory Run Energy, LLC | IPP | Hickory Run Energy Station | PA | 61028 | CTG2 | 268.5 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 5 | 60659 | Hickory Run Energy, LLC | IPP | Hickory Run Energy Station | PA | 61028 | STG1 | 437.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 5 | 49893 | Invenergy Services LLC | IPP | Beech Ridge II Wind Energy Center | WV | 62482 | GEN1 | 56.2 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 63172 | Leven Garden LLC | IPP | Leven Garden Solar | MN | 63425 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 63174 | Maston Garden LLC | IPP | Maston Garden Solar | MN | 63434 | CGS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 12303 | Merck & Co Inc-West Point | Industrial | West Point (PA) | PA | 52149 | GEN16 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 5 | 56990 | NJR Clean Energy Ventures Corporation | IPP | Campus Drive Solar | NJ | 63334 | CAMPS | 3.7 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 62849 | Novel Byron Solar LLC CSG | IPP | Novel Byron Solar CSG | MN | 62985 | BYRN | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 63183 | Oxy Renewable Energy LLC | IPP | Oxy Renewable Energy - Goldsmith | TX | 63388 | SOLAR | 16.8 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 63189 | Rock County Wind Fuel, LLC | IPP | Rock County Wind Fuel, LLC | MN | 63460 | RCWF | 5.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 63074 | Scout Clean Energy LLC | IPP | Heart of Texas Wind Project | TX | 61032 | HTX | 180.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 17164 | Sierra Pacific Industries Inc | Industrial | Sierra Pacific Industries (2042-RD) | CA | 63416 | GEN1 | 8.4 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 17650 | Southern Power Co | IPP | Reading Wind Project | KS | 60999 | READW | 200.1 | Onshore Wind Turbine | WND | WT |
| 2020 | 5 | 60970 | SunShare Management | IPP | Linden 01 CSG | MN | 63179 | KANE1 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 60970 | SunShare Management | IPP | Linden 02 CSG | MN | 63182 | LIND2 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 60970 | SunShare Management | IPP | Linden 03 CSG | MN | 63183 | LIND3 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 62822 | Syncarpha Blandford, LLC | IPP | Syncarpha Blandford Hybrid CSG | MA | 62975 | SYBLB | 3.9 | Batteries | MWH | BA |
| 2020 | 5 | 62905 | Syncarpha Taos I, LLC | IPP | Syncarpha Taos | NM | 63123 | SYNTA | 3.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 62828 | TWE Bowman Solar Project, LLC | IPP | TWE Bowman Solar Project | SC | 62828 | BOW | 73.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 5 | 20856 | Wisconsin Power & Light Co | Electric Utility | Riverside Energy Center | WI | 55641 | CTG3 | 225.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 5 | 20856 | Wisconsin Power & Light Co | Electric Utility | Riverside Energy Center | WI | 55641 | CTG4 | 225.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 5 | 20856 | Wisconsin Power & Light Co | Electric Utility | Riverside Energy Center | WI | 55641 | STG2 | 250.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 6 | 61524 | 226HC 8me LLC | IPP | Holstein 1 Solar Farm | TX | 61962 | HSF01 | 200.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 59272 | 41MB 8me, LLC | IPP | Borden Solar Farm | CA | 59531 | BRDN | 50.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 61012 | AES Distributed Energy | IPP | Cronin Road Solar 1, LLC CSG Hybrid | MA | 63011 | CRONI | 1.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 61012 | AES Distributed Energy | IPP | Cycz Solar Project CSG Hybrid | MA | 63472 | BATT | 1.3 | Batteries | MWH | BA |
| 2020 | 6 | 61012 | AES Distributed Energy | IPP | Cycz Solar Project CSG Hybrid | MA | 63472 | CYCZ | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 61012 | AES Distributed Energy | IPP | Partridge Solar Project CSG Hybrid | MA | 63435 | BATT | 1.3 | Batteries | MWH | BA |
| 2020 | 6 | 61012 | AES Distributed Energy | IPP | Partridge Solar Project CSG Hybrid | MA | 63435 | PRTDG | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63468 | Alkali Solar, LLC | IPP | Alkali Solar, LLC | OR | 63795 | 2 | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 60281 | Altus Power America Management, LLC | IPP | FastSun 19 CSG | MN | 63033 | FS19 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 60281 | Altus Power America Management, LLC | IPP | FastSun 2 CSG | MN | 62696 | FS2 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 10623 | City of Lakeland - (FL) | Electric Utility | C D McIntosh Jr | FL | 676 | GT2 | 117.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 56769 | Consolidated Edison Development Inc. | IPP | CED Crane Solar | TX | 63519 | CRN1 | 150.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 49846 | Covanta Honolulu Resource Recovery | Commercial | H Power | HI | 10334 | PV1 | 2.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 62800 | DG Edison New Jersey LLC | IPP | DG Iron Mountain | NJ | 62957 | IRNMT | 5.4 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 5248 | Dominion Energy Inc | Electric Utility | Myrtle Solar | VA | 63746 | MYSO | 15.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 61420 | ENGIE Storage Services NA LLC | Commercial | Pacific Union College BESS | CA | 61795 | 12649 | 1.0 | Batteries | MWH | BA |
| 2020 | 6 | 58135 | Ecos Energy LLC | IPP | Dickinson Solar (CT) | CT | 63245 | DCKN | 2.0 | Solar Photovoltaic | SUN | PV |

## Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 6 | 58135 | Ecos Energy LLC | IPP | Sydney Solar | CT | 63244 | SYDN | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63593 | Fort Rock Solar IV LLC | IPP | Fort Rock IV | OR | 63926 | FRIV | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 7140 | Georgia Power Co | Electric Utility | Moody Air Force Base Solar | GA | 62377 | 1 | 49.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63292 | Harmony Florida Solar LLC | IPP | Harmony Solar | FL | 63582 | HFS | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63470 | Illinois PV Fulton 1, LLC | IPP | Illinois PV Fulton 1 CSG | IL | 63790 | FULT | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 9234 | Indiana Municipal Power Agency | Electric Utility | Crawfordsville Solar Park 4 | IN | 62776 | SCRA4 | 2.3 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 9234 | Indiana Municipal Power Agency | Electric Utility | Gas City Solar Park | IN | 62767 | SGASC | 2.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 61219 | Longroad Energy Services LLC | IPP | Prospero Solar | TX | 62755 | PROSP | 300.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 62915 | Madison Energy Holdings LLC | IPP | Houston/Winona Community Solar One LLC | MN | 63534 | 52827 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 62915 | Madison Energy Holdings LLC | IPP | Winona Community Solar One LLC | MN | 63532 | 52837 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63529 | Medusa NY 1, LLC | IPP | Medusa NY 1 | NY | 63854 | 8175C | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 62864 | Novel Haley Solar LLC CSG | IPP | Novel Haley Solar CSG | MN | 63005 | HALY | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63589 | POET Biorefing- Shelbyville | Industrial | POET Biorefining - Shelbyville | IN | 63921 | 1 | 5.5 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 6 | 62633 | Plum Creek Wind, LLC | IPP | Plum Creek Wind Project (NE) | NE | 62711 | PLUM | 230.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 6 | 61678 | RE Rambler LLC | IPP | Rambler | TX | 62141 | RMBLR | 200.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 56215 | RWE Renewables Americas LLC | IPP | Peyton Creek Wind Farm LLC | TX | 62417 | WT1 | 220.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 6 | 63460 | Rock Garden, LLC | IPP | Rock Garden Solar, LLC | OR | 63779 | 4 | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 62913 | Roundhouse Renewable Energy, LLC | Industrial | Roundhouse Wind Energy Project | WY | 63133 | 82059 | 124.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 6 | 62913 | Roundhouse Renewable Energy, LLC | Industrial | Roundhouse Wind Energy Project | WY | 63133 | 82060 | 79.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 6 | 62913 | Roundhouse Renewable Energy, LLC | Industrial | Roundhouse Wind Energy Project | WY | 63133 | 82061 | 23.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 6 | 60531 | Standard Solar | IPP | USS Mayhew Solar LLC CSG | MN | 63144 | MAYHW | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 60531 | Standard Solar | IPP | USS Milkweed Solar LLC CSG | MN | 63142 | MLKWD | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 60531 | Standard Solar | IPP | USS Monarch Solar LLC CSG | MN | 63147 | MNRCH | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 60531 | Standard Solar | IPP | USS Sunrise Solar LLC CSG | MN | 63141 | SNRSE | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 60531 | Standard Solar | IPP | USS Westeros Solar LLC CSG | MN | 63140 | USSWS | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63290 | Taylor Creek Solar LLC | IPP | Taylor Creek Solar | FL | 63583 | TCS | 74.5 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63532 | Walden NY 1, LLC | IPP | Walden NY 1 | NY | 63855 | 8175E | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 6 | 63469 | West Hines Solar I, LLC | IPP | West Hines Solar I, LLC | OR | 63796 | 1 | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 61012 | AES Distributed Energy | IPP | Allis Medina Solar LLC CSG | NY | 63129 | ALLIS | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 61012 | AES Distributed Energy | IPP | Partridge Hill Solar Hybrid | MA | 63264 | BATT | 1.3 | Batteries | MWH | BA |
| 2020 | 7 | 62834 | Caden Energix Pamplin LLC | IPP | Caden Energix Pamplin LLC | VA | 63083 | ENX04 | 15.7 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 7626 | City of Greenfield - (IA) | Electric Utility | Greenfield | IA | 1144 | 1 | 2.5 | Petroleum Liquids | DFO | IC |
| 2020 | 7 | 7626 | City of Greenfield - (IA) | Electric Utility | Greenfield | IA | 1144 | 2 | 2.5 | Petroleum Liquids | DFO | IC |
| 2020 | 7 | 56769 | Consolidated Edison Development Inc. | IPP | CED Champaign Solar LLC | IL | 62681 | CSIL | 1.6 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 61060 | Cypress Creek Renewables | IPP | Midlands | SC | 63839 | 1113 | 72.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 39347 | East Texas Electric Coop, Inc | Electric Utility | RC Thomas Hydroelectric Project | TX | 58645 | RCT1 | 8.7 | Conventional Hydroelectric | WAT | HY |
| 2020 | 7 | 39347 | East Texas Electric Coop, Inc | Electric Utility | RC Thomas Hydroelectric Project | TX | 58645 | RCT2 | 8.7 | Conventional Hydroelectric | WAT | HY |
| 2020 | 7 | 39347 | East Texas Electric Coop, Inc | Electric Utility | RC Thomas Hydroelectric Project | TX | 58645 | RCT3 | 8.7 | Conventional Hydroelectric | WAT | HY |
| 2020 | 7 | 62856 | Forefront Power, LLC | IPP | DGS Wasco State Prison | CA | 63418 | 1122 | 2.3 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 63512 | Gateway Energy Storage, LLC | IPP | Gateway Energy Storage System | CA | 63834 | GTWAY | 250.0 | Batteries | MWH | BA |
| 2020 | 7 | 60719 | Harvest Ridge Wind Farm | IPP | Harvest Ridge Wind Farm | IL | 61161 | GEN01 | 202.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 7 | 62638 | Helen Solar LLC | IPP | Helen Solar CSG | MN | 62706 | SC | 4.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 9234 | Indiana Municipal Power Agency | Electric Utility | Tell City Solar Park | IN | 62790 | STEL2 | 3.2 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 10273 | Kimberly-Clark Corp | Industrial | Chester Operations | PA | 50410 | 6 | 14.1 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 7 | 62915 | Madison Energy Holdings LLC | IPP | Nicollet Community Solar One LLC | MN | 63120 | 52828 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 11479 | Madison Gas & Electric Co | Electric Utility | Middleton Airport Solar | WI | 62731 | 1 | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 63471 | NES Olympos | IPP | Lane II Solar, LLC | NC | 63837 | PV1 | 4.9 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 56990 | NJR Clean Energy Ventures Corporation | IPP | Monroe Solar Farm, LLC | NJ | 63451 | MONR1 | 13.1 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 61156 | NMRD Data Center, LLC | IPP | Encino Solar Energy Center | NM | 63860 | ESEC | 55.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 62640 | Northfield Solar LLC | IPP | Northfield Solar CSG | MN | 62708 | SC | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 62788 | Oberon Solar IA | IPP | Oberon IA | TX | 62933 | OBR1A | 150.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 62789 | Oberon Solar IB | IPP | Oberon IB | TX | 62932 | OBR1B | 30.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 14063 | Oklahoma Gas & Electric Co | Electric Utility | Chickasaw Nation Solar Farm | OK | 63500 | CVS1 | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 14063 | Oklahoma Gas & Electric Co | Electric Utility | Choctaw Nation Solar Farm | OK | 63499 | CVS1 | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 63592 | Riley Solar I LLC | IPP | Riley | OR | 63925 | RILEY | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 61677 | Sol Systems | IPP | Ruff Solar LLC | NC | 62594 | 11625 | 5.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 63459 | Suntex Solar, LLC | IPP | Suntex Solar, LLC | OR | 63778 | 3 | 10.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 62637 | Walcott Solar LLC | IPP | Walcott Solar CSG | MN | 62707 | SC | 4.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 62641 | Warsaw Solar LLC | IPP | Warsaw Solar CSG | MN | 62709 | SC | 2.0 | Solar Photovoltaic | SUN | PV |
| 2020 | 7 | 20323 | Wellhead Energy, LLC | IPP | Stanton Energy Reliability Center Hybrid | CA | 60698 | GT1 | 45.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 7 | 20323 | Wellhead Energy, LLC | IPP | Stanton Energy Reliability Center Hybrid | CA | 60698 | GT2 | 45.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 7 | 63533 | Westtown NY 2, LLC | IPP | Westtown NY 2 | NY | 63856 | 8175D | 2.0 | Solar Photovoltaic | SUN | PV |

## Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

## Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 1 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Asheville | NC | 2706 | 1 | 189.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 1 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Asheville | NC | 2706 | 2 | 189.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 1 | 9155 | Inland Empire Energy Ctr LLC | IPP | Inland Empire Energy Center | CA | 55853 | 1 | 345.0 | Natural Gas Fired Combined Cycle | NG | CS |
| 2020 | 1 | 9155 | Inland Empire Energy Ctr LLC | IPP | Inland Empire Energy Center | CA | 55853 | 2 | 345.0 | Natural Gas Fired Combined Cycle | NG | CS |
| 2020 | 1 | 12949 | Morgantown Energy Associates | Electric CHP | Morgantown Energy Facility | WV | 10743 | GEN1 | 50.0 | Conventional Steam Coal | WC | ST |
| 2020 | 1 | 15298 | Talen Montana LLC | IPP | Colstrip | MT | 6076 | 1 | 307.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 1 | 15298 | Talen Montana LLC | IPP | Colstrip | MT | 6076 | 2 | 307.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 1 | 18642 | Tennessee Valley Authority | Electric Utility | Paradise | KY | 1378 | 3 | 971.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 1 | 2770 | Terra-Gen Operating Co-Wind | IPP | Difwind Farms Ltd I | CA | 54681 | EXIS | 7.3 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 2770 | Terra-Gen Operating Co-Wind | IPP | Difwind Farms Ltd II | CA | 54682 | EXIS | 5.4 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 2770 | Terra-Gen Operating Co-Wind | IPP | Difwind Farms Ltd V | CA | 54685 | EXIS | 11.6 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 2770 | Terra-Gen Operating Co-Wind | IPP | Terra-Gen 251 Wind LLC | CA | 52161 | WGNS | 18.4 | Onshore Wind Turbine | WND | WT |
| 2020 | 1 | 2770 | Terra-Gen Operating Co-Wind | IPP | Victory Garden Phase IV LLC | CA | 52160 | WGNS | 22.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 2 | 56953 | Bos Dairy, LLC | Industrial | Bos Dairy, LLC | IN | 57625 | BOS2 | 0.6 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 2 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy Eastlake | OH | 2837 | 6 | 24.0 | Petroleum Liquids | DFO | GT |
| 2020 | 2 | 57463 | Kimberly-Clark Worldwide Inc | Industrial | Fullerton Mill CHP | CA | 58083 | GTG1 | 12.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 2 | 57463 | Kimberly-Clark Worldwide Inc | Industrial | Fullerton Mill CHP | CA | 58083 | STG1 | 1.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 2 | 2770 | Terra-Gen Operating Co-Wind | IPP | Altech III | CA | 50485 | GEN1 | 21.7 | Onshore Wind Turbine | WND | WT |
| 2020 | 2 | 2770 | Terra-Gen Operating Co-Wind | IPP | Altech III | CA | 50485 | GEN2 | 3.4 | Onshore Wind Turbine | WND | WT |
| 2020 | 2 | 2770 | Terra-Gen Operating Co-Wind | IPP | Dutch Wind Energy | CA | 57301 | DEC | 8.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 2 | 20541 | Wheelabrator Environmental Systems | Electric CHP | Wheelabrator Frackville Energy | PA | 50879 | GEN1 | 42.5 | Conventional Steam Coal | WC | ST |
| 2020 | 3 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT5 | 14.6 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT6 | 15.6 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT7 | 14.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT8 | 16.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 1 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 10 | 49.0 | Petroleum Liquids | DFO | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 2 | 48.0 | Petroleum Liquids | DFO | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 3 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 4 | 48.0 | Petroleum Liquids | DFO | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 6 | 43.0 | Petroleum Liquids | DFO | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 7 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 3 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Darlington County | SC | 3250 | 8 | 44.0 | Petroleum Liquids | DFO | GT |
| 2020 | 3 | 5860 | Empire District Electric Co | Electric Utility | Asbury | MO | 2076 | 1 | 198.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 3 | 7049 | General Electric Aircraft Engines | Industrial | General Electric Aircraft Engines | MA | 10029 | GEN5 | 8.5 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 3 | 7049 | General Electric Aircraft Engines | Industrial | General Electric Aircraft Engines | MA | 10029 | GEN6 | 8.5 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 3 | 7049 | General Electric Aircraft Engines | Industrial | General Electric Aircraft Engines | MA | 10029 | GEN7 | 6.8 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 3 | 56046 | High Plains Wind Power LLC | IPP | High Plains | TX | 56834 | 1 | 10.0 | Onshore Wind Turbine | WND | WT |
| 2020 | 3 | 16668 | Sabine Cogen LP | Electric CHP | Sabine Cogen | TX | 55104 | CTG1 | 33.1 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 3 | 16668 | Sabine Cogen LP | Electric CHP | Sabine Cogen | TX | 55104 | CTG2 | 33.6 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 3 | 16668 | Sabine Cogen LP | Electric CHP | Sabine Cogen | TX | 55104 | STG | 20.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2020 | 3 | 22129 | Somerset Operating Co LLC | IPP | Somerset Operating Co LLC | NY | 6082 | 1 | 685.9 | Conventional Steam Coal | BIT | ST |
| 2020 | 3 | 2770 | Terra-Gen Operating Co-Wind | IPP | Windland | CA | 50386 | WING | 15.3 | Onshore Wind Turbine | WND | WT |
| 2020 | 4 | 6027 | Entergy Nuclear Indian Point 2 | IPP | Indian Point 2 | NY | 2497 | 2 | 1,016.1 | Nuclear | NUC | ST |
| 2020 | 4 | 55970 | JHP Pharmaceuticals LLC | Industrial | Par Sterile Products | MI | 50318 | 38-1 | 2.8 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 5 | 57173 | AC Landfill Energy LLC | IPP | AC Landfill Energy LLC | NJ | 57845 | UNIT1 | 1.5 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57173 | AC Landfill Energy LLC | IPP | AC Landfill Energy LLC | NJ | 57845 | UNIT2 | 1.8 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57175 | BC Landfill Energy LLC | IPP | BC Landfill Energy LLC | NJ | 57847 | UNIT1 | 1.4 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57175 | BC Landfill Energy LLC | IPP | BC Landfill Energy LLC | NJ | 57847 | UNIT2 | 1.4 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57175 | BC Landfill Energy LLC | IPP | BC Landfill Energy LLC | NJ | 57847 | UNIT3 | 1.4 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57175 | BC Landfill Energy LLC | IPP | BC Landfill Energy LLC | NJ | 57847 | UNIT4 | 1.4 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57175 | BC Landfill Energy LLC | IPP | BC Landfill Energy LLC | NJ | 57847 | UNIT5 | 1.4 | Landfill Gas | LFG | IC |
| 2020 | 5 | 14268 | City of Owensboro - (KY) | Electric Utility | Elmer Smith | KY | 1374 | 1 | 137.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 5 | 14268 | City of Owensboro - (KY) | Electric Utility | Elmer Smith | KY | 1374 | 2 | 262.8 | Conventional Steam Coal | BIT | ST |
| 2020 | 5 | 59878 | Clean Fuel Partners Dane | Electric CHP | Clean Fuel Dane Community Digester | WI | 59559 | GEN#1 | 1.0 | Other Waste Biomass | OBG | IC |
| 2020 | 5 | 59878 | Clean Fuel Partners Dane | Electric CHP | Clean Fuel Dane Community Digester | WI | 59559 | GEN#2 | 1.0 | Other Waste Biomass | OBG | IC |
| 2020 | 5 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | 1 | 180.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 5 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | 2 | 180.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 5 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | 3 | 180.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 5 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | 4 | 180.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 5 | 15174 | Freeport McMoRan Oil & Gas | Industrial | Gaviota Oil Plant | CA | 50623 | GENA | 3.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 5 | 15174 | Freeport McMoRan Oil & Gas | Industrial | Gaviota Oil Plant | CA | 50623 | GENB | 3.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 5 | 15174 | Freeport McMoRan Oil & Gas | Industrial | Gaviota Oil Plant | CA | 50623 | GENC | 3.0 | Natural Gas Fired Combustion Turbine | NG | GT |

## Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 5 | 15174 | Freeport McMoRan Oil & Gas | Industrial | Gaviota Oil Plant | CA | 50623 | GEND | 3.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 5 | 9379 | Inter-Power/AhlCon Partners, L.P. | IPP | Colver Power Project | PA | 10143 | COLV | 110.0 | Conventional Steam Coal | WC | ST |
| 2020 | 5 | 57172 | SC Landfill Energy LLC | IPP | SC Landfill Energy LLC | NJ | 57843 | GEN1 | 1.8 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57174 | SX Landfill Energy LLC | IPP | SX Landfill Energy LLC | NJ | 57846 | UNIT1 | 1.5 | Landfill Gas | LFG | IC |
| 2020 | 5 | 57174 | SX Landfill Energy LLC | IPP | SX Landfill Energy LLC | NJ | 57846 | UNIT2 | 1.5 | Landfill Gas | LFG | IC |
| 2020 | 5 | 17698 | Southwestern Electric Power Co | Electric Utility | Knox Lee | TX | 3476 | 2 | 31.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 5 | 17698 | Southwestern Electric Power Co | Electric Utility | Knox Lee | TX | 3476 | 3 | 25.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 5 | 17698 | Southwestern Electric Power Co | Electric Utility | Lieberman | LA | 1417 | 2 | 26.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 5 | 17698 | Southwestern Electric Power Co | Electric Utility | Lone Star | TX | 3477 | 1 | 50.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 5 | 17897 | St Mary's Hospital | Commercial | Saint Marys Hospital Power Plant | MN | 54262 | 6 | 2.7 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 6 | 58620 | AEP Generation Resources Inc | IPP | Conesville | OH | 2840 | 4 | 780.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 1 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 2 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 3 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 4 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 5 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 6 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 61351 | APTIM Environmental & Infrastructure | IPP | Keystone Recovery | PA | 54934 | NO 7 | 0.7 | Landfill Gas | LFG | IC |
| 2020 | 6 | 7483 | City of Grand Haven - (MI) | Electric Utility | Grand Haven Diesel Plant | MI | 1826 | 1 | 8.4 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 6 | 7483 | City of Grand Haven - (MI) | Electric Utility | J B Sims | MI | 1825 | 3 | 69.1 | Conventional Steam Coal | BIT | ST |
| 2020 | 6 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT1 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT2 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT3 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 4161 | Constellation Power Source Gen | IPP | Notch Cliff | MD | 1555 | GT4 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 4161 | Constellation Power Source Gen | IPP | Westport | MD | 1560 | GT5 | 115.8 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 6035 | Exelon Power | IPP | Fairless Hills | PA | 7701 | A | 30.0 | Landfill Gas | LFG | ST |
| 2020 | 6 | 6035 | Exelon Power | IPP | Fairless Hills | PA | 7701 | B | 30.0 | Landfill Gas | LFG | ST |
| 2020 | 6 | 60422 | H.A. Wagner LLC | IPP | Herbert A Wagner | MD | 1554 | 2 | 118.0 | Conventional Steam Coal | RC | ST |
| 2020 | 6 | 20856 | Wisconsin Power & Light Co | Electric Utility | Rock River | WI | 4057 | 3 | 21.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 20856 | Wisconsin Power & Light Co | Electric Utility | Rock River | WI | 4057 | 4 | 14.3 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 20856 | Wisconsin Power & Light Co | Electric Utility | Rock River | WI | 4057 | 5 | 45.1 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 20856 | Wisconsin Power & Light Co | Electric Utility | Rock River | WI | 4057 | 6 | 33.7 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 6 | 20856 | Wisconsin Power & Light Co | Electric Utility | Sheepskin | WI | 4059 | 1 | 27.2 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 7 | 13756 | Northern Indiana Pub Serv Co | Electric Utility | Bailly | IN | 995 | 10 | 31.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 7 | 20737 | Willmar Municipal Utilities | Electric Utility | Willmar | MN | 2022 | 3 | 16.8 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 7 | 20737 | Willmar Municipal Utilities | Electric Utility | Willmar | MN | 2022 | ST2 | 6.5 | Natural Gas Steam Turbine | NG | ST |

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 8 | 61012 | AES Distributed Energy | IPP | Finchville Solar, LLC Hybrid | NY | 62999 | BESS | 3.0 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 3.0 |
| 2020 | 8 | 61012 | AES Distributed Energy | IPP | Finchville Solar, LLC Hybrid | NY | 62999 | FINCH | 5.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 5.0 |
| 2020 | 8 | 61012 | AES Distributed Energy | IPP | McDougle-Mitchell Solar Project Hybrid | MA | 63470 | BATT | 2.9 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 2.9 |
| 2020 | 8 | 61012 | AES Distributed Energy | IPP | McDougle-Mitchell Solar Project Hybrid | MA | 63470 | MCDMT | 4.5 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 4.5 |
| 2020 | 8 | 63019 | AGA TAG Solar III LLC | IPP | AGA TAG Solar III LLC | SC | 63243 | SCAG | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 8 | 57416 | Acciona Energy USA Global, LLC | IPP | Palmas Wind, LLC | TX | 61773 | PW | 142.6 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 144.9 |
| 2020 | 8 | 60281 | Altus Power America Management, LLC | IPP | FastSun 21 | MN | 63577 | FS21 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 60281 | Altus Power America Management, LLC | IPP | FastSun 4 | MN | 63576 | FS4 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 62993 | Aviator Wind, LLC | IPP | Aviator Wind | TX | 63209 | AVTOR | 525.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 525.0 |
| 2020 | 8 | 59613 | BayWa r.e. Solar Projects LLC | IPP | Fern Solar LLC | NC | 62798 | FERN | 100.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 100.0 |
| 2020 | 8 | 63507 | Bluebird Solar LLC | IPP | Bluebird Solar SC LLC | SC | 63833 | BB | 3.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 3.0 |
| 2020 | 8 | 63415 | CO Buffalo Flats LLC | IPP | Rawhide Prairie Solar Hybrid | CO | 63722 | PV1 | 22.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 22.0 |
| 2020 | 8 | 62835 | Caden Energix Hickory LLC | IPP | Caden Energix Hickory LLC | VA | 63084 | ENX02 | 20.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 20.0 |
| 2020 | 8 | 62835 | Caden Energix Hickory LLC | IPP | Caden Energix Hickory LLC | VA | 63084 | ENX03 | 12.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 12.0 |
| 2020 | 8 | 63381 | Carlson Community Solar | IPP | Carlson Community (CSG) | MN | 63683 | CRLSN | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 63072 | Cerro Gordo Wind Farm | IPP | Cerro Gordo Wind Farm | IA | 63287 | CGWF | 42.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 42.0 |
| 2020 | 8 | 63260 | Cobb Electric Membership Corporation | IPP | Solar BESS Hybrid | GA | 63535 | SOLAR | 1.1 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.5 |
| 2020 | 8 | 56769 | Consolidated Edison Development Inc. | IPP | CED Northampton Solar LLC Hybrid | MA | 62695 | NSES | 2.3 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 2.3 |
| 2020 | 8 | 61060 | Cypress Creek Renewables | IPP | Wagyu | TX | 63273 | 1215 | 120.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 120.0 |
| 2020 | 8 | 3046 | Duke Energy Progress - (NC) | Electric Utility | Asheville-Rock Hill Battery | NC | 63064 | ES1 | 8.8 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 8.8 |
| 2020 | 8 | 58970 | Ecoplexus, Inc | IPP | HWY 158 PV | NC | 63566 | HW158 | 9.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 9.0 |
| 2020 | 8 | 60496 | Enerparc Inc. | IPP | Vale Solar Center | OR | 61856 | VALE | 3.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 3.0 |
| 2020 | 8 | 63081 | Exus North America Management Partners LLC | IPP | Bearkat II Wind Energy LLC | TX | 63342 | BKII | 162.1 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 162.1 |
| 2020 | 8 | 62856 | Forefront Power, LLC | IPP | Fresno Sunnyside High School Hybrid | CA | 63422 | BA112 | 0.3 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 0.3 |
| 2020 | 8 | 62856 | Forefront Power, LLC | IPP | Mooseheart School Solar | IL | 63073 | 1817 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 8 | 62856 | Forefront Power, LLC | IPP | Reed Road Solar | IL | 63071 | 1822 | 1.3 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.3 |
| 2020 | 8 | 62856 | Forefront Power, LLC | IPP | Square Barn Solar | IL | 63070 | 1820 | 1.5 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.5 |
| 2020 | 8 | 61873 | GA Solar 4 | IPP | Twiggs Solar | GA | 61696 | TWIGG | 200.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 200.0 |
| 2020 | 8 | 61944 | GSRP | IPP | Lafayette 2 - Internal Services Dept | CA | 63527 | GEN1 | 1.9 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.9 |
| 2020 | 8 | 61944 | GSRP | IPP | Lafayette 2 - MLK Jr. Hospital (MLK) | CA | 63623 | GEN1 | 1.7 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.7 |
| 2020 | 8 | 60025 | Greenbacker Renewable Energy Corporation | IPP | Renew Solar ABC Sacramento LLC | CA | 62545 | SACRA | 1.7 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.7 |
| 2020 | 8 | 60025 | Greenbacker Renewable Energy Corporation | IPP | Solar Hagerstown | MD | 62912 | 137 | 7.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 10.0 |
| 2020 | 8 | 63400 | Hammer Community Solar LLC | IPP | Hammer Community (CSG) | MN | 63684 | HAMR | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 9234 | Indiana Municipal Power Agency | Electric Utility | Scottsburg Solar Park | IN | 62766 | SCCOT | 7.1 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 7.1 |
| 2020 | 8 | 61251 | LA3 West Baton Rouge, L.L.C. | IPP | LA3 West Baton Rouge Solar Facility | LA | 61646 | LA3WB | 50.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 50.0 |
| 2020 | 8 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Whitetail Solar 2 | PA | 62990 | PAWT2 | 20.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 20.0 |
| 2020 | 8 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Whitetail Solar 3 | PA | 62991 | PAWT3 | 20.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 20.0 |
| 2020 | 8 | 63001 | MN CSG 2, LLC | IPP | Woodbury Solar | MN | 63231 | PV | 3.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 3.0 |
| 2020 | 8 | 62915 | Madison Energy Holdings LLC | IPP | ESIL-PFCHICAGO 3, LLC | IL | 63888 | PF3CH | 1.4 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.4 |
| 2020 | 8 | 62915 | Madison Energy Holdings LLC | IPP | Sobania Community Solar LLC | MN | 63791 | SOB01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 62915 | Madison Energy Holdings LLC | IPP | Stevens Community Solar LLC | MN | 63794 | ST001 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 62915 | Madison Energy Holdings LLC | IPP | Studenski Community Solar LLC | MN | 63793 | STU01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 62915 | Madison Energy Holdings LLC | IPP | Svihel Community Solar LLC | MN | 63792 | SVH01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 63471 | NES Olympos | IPP | Benson Solar, LLC | NC | 63836 | PV1 | 4.9 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.9 |
| 2020 | 8 | 63471 | NES Olympos | IPP | Eagle Solar | NC | 60161 | PV1 | 4.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.0 |
| 2020 | 8 | 63471 | NES Olympos | IPP | Pilot Mountain Solar, LLC | NC | 63835 | PV1 | 4.9 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.9 |
| 2020 | 8 | 63471 | NES Olympos | IPP | Tate Solar | NC | 60160 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 8 | 62644 | OEE XXVIII LLC | Industrial | LafargeHolcim - Paulding Wind Project | OH | 62752 | L1 | 1.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 8 | 62644 | OEE XXVIII LLC | Industrial | LafargeHolcim - Paulding Wind Project | OH | 62752 | L2 | 1.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 8 | 62644 | OEE XXVIII LLC | Industrial | LafargeHolcim - Paulding Wind Project | OH | 62752 | L3 | 1.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 8 | 62128 | OEE XXX LLC | Industrial | Zephyr Wind Project - 2.0 | OH | 62653 | T1 | 1.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 8 | 62128 | OEE XXX LLC | Industrial | Zephyr Wind Project - 2.0 | OH | 62653 | T2 | 1.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 8 | 62128 | OEE XXX LLC | Industrial | Zephyr Wind Project - 2.0 | OH | 62653 | T3 | 1.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 8 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG4 | 3.5 | Other Waste Biomass | OBG | IC | (U) Under construction, less than or equal to 50 percent complete | 3.5 |
| 2020 | 8 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG5 | 3.5 | Other Waste Biomass | OBG | IC | (U) Under construction, less than or equal to 50 percent complete | 3.5 |
| 2020 | 8 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG6 | 3.5 | Other Waste Biomass | OBG | IC | (U) Under construction, less than or equal to 50 percent complete | 3.5 |
| 2020 | 8 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG7 | 3.5 | Other Waste Biomass | OBG | IC | (U) Under construction, less than or equal to 50 percent complete | 3.5 |
| 2020 | 8 | 63366 | Schueler Community Solar LLC | IPP | Schueler Community Solar | MN | 63658 | TC3 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 63365 | Siems Community Solar LLC | IPP | Siems Solar Project | MN | 63657 | TC3 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 60038 | Silicon Valley Clean Water | Electric CHP | Silicon Valley Clean Water | CA | 60249 | BES | 1.0 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 1.0 |
| 2020 | 8 | 60531 | Standard Solar | IPP | USS B&B Solar LLC CSG | MN | 63216 | BB | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 8 | 60531 | Standard Solar | IPP | USS Chariot Solar LLC | MN | 63171 | CHROT | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 8 | 60531 | Standard Solar | IPP | USS Cougar Solar LLC CSG | MN | 63158 | COUGR | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 8 | 60531 | Standard Solar | IPP | USS Flower Solar LLC CSG | MN | 63159 | FLOWR | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 8 | 60531 | Standard Solar | IPP | USS JJ Clay Solar LLC CSG | MN | 63156 | JJCLY | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 8 | 60531 | Standard Solar | IPP | USS Verde Solar LLC CSG | MN | 63157 | VERDE | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 8 | 61980 | Valta Energy | IPP | Mauka FIT One | HI | 58662 | 3501 | 3.5 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 3.5 |
| 2020 | 8 | 62701 | Vista Solar, Inc. | IPP | Hopkinton Phase 2 | RI | 63191 | HTP2 | 2.5 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 2.5 |
| 2020 | 8 | 58106 | Western Michigan University | Commercial | Western Michigan University Power Plant | MI | 58161 | EG-10 | 2.5 | Natural Gas Internal Combustion Engine | NG | IC | (TS) Construction complete, but not yet in commercial operation | 2.5 |
| 2020 | 8 | 58106 | Western Michigan University | Commercial | Western Michigan University Power Plant | MI | 58161 | EG-9 | 2.5 | Natural Gas Internal Combustion Engine | NG | IC | (TS) Construction complete, but not yet in commercial operation | 2.5 |
| 2020 | 8 | 60154 | White Street Renewables LLC | IPP | White Street Renewables | NC | 60364 | WSPV | 3.4 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 3.4 |
| 2020 | 9 | 61012 | AES Distributed Energy | IPP | AES Kekaha Solar, LLC Hybrid | HI | 63280 | BESS | 14.0 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 14.0 |
| 2020 | 9 | 61012 | AES Distributed Energy | IPP | Greenwich Solar 1, LLC | NY | 63411 | RTE40 | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2020 | 9 | 61012 | AES Distributed Energy | IPP | Lane Ave Solar LLC | MA | 63041 | HANRA | 1.5 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 9 | 59474 | BQ Energy LLC | IPP | Yeoman Creek | IL | 61910 | YEOM | 8.8 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 8.8 |
| 2020 | 9 | 63373 | Bitter Ridge Wind Farm, LLC | IPP | Bitter Ridge Wind Farm, LLC | IN | 63666 | BIT | 130.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 130.0 |
| 2020 | 9 | 63380 | Brenda Luhman Community Solar LLC | IPP | Brenda Luhman - CSG | MN | 63682 | BLCS | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 63487 | Bronco Plains Wind, LLC | IPP | Bronco Plains Wind, LLC | CO | 63803 | WBOPL | 299.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 300.0 |
| 2020 | 9 | 63407 | Butler Solar, LLC | IPP | Butler Solar, LLC | OR | 63694 | 13501 | 4.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.0 |
| 2020 | 9 | 62772 | CA ODEVI LLC | IPP | Windsor Floating Solar | CA | 62902 | WUS15 | 1.5 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.5 |
| 2020 | 9 | 2848 | California Institute-Technology | Commercial | California Institute of Technology | CA | 10262 | GEN8 | 9.0 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 10.5 |
| 2020 | 9 | 63260 | Cobb Electric Membership Corporation | IPP | Solar BESS Hybrid | GA | 63535 | TEST | 1.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 9 | 56769 | Consolidated Edison Development Inc. | IPP | CED Hilltop Solar | IL | 63824 | HS1 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 62803 | Cove Mountain Solar 2 LLC | IPP | Cove Mountain Solar 2 | UT | 62470 | GEN01 | 122.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 122.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 9 | 62802 | Cove Mountain Solar LLC | IPP | Cove Mountain Solar | UT | 62469 | GEN01 | 58.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 58.0 |
| 2020 | 9 | 5109 | DTE Electric Company | Electric Utility | Fairbanks Wind Park | MI | 63600 | 1 | 72.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 72.5 |
| 2020 | 9 | 5248 | Dominion Energy Inc | Electric Utility | Grasshopper Solar | VA | 62813 | GRHS | 80.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 80.0 |
| 2020 | 9 | 15470 | Duke Energy Indiana, LLC | Electric Utility | Nabb Battery Energy Storage System | IN | 62862 | ES1 | 5.0 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 9 | 57202 | E&E Enterprises LLC | IPP | Allendorf | IA | 56215 | ET | 1.8 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 2.0 |
| 2020 | 9 | 62852 | ESA Hamlet NC LLC | IPP | ESA Hamlet NC , LLC | NC | 63377 | PGR10 | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 9 | 60853 | ET CAP OR HOLDINGS LLC | IPP | OR Solar 2, LLC | OR | 61200 | ORSR2 | 10.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 10.0 |
| 2020 | 9 | 58970 | Ecoplexus, Inc | IPP | Underwood PV2 | NC | 60998 | UNWD2 | 16.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 16.0 |
| 2020 | 9 | 58135 | Ecos Energy LLC | IPP | Apple Hill Solar | VT | 61037 | APPL | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 62856 | Forefront Power, LLC | IPP | Fresno Sunnyside High School Hybrid | CA | 63422 | 1122 | 1.6 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.6 |
| 2020 | 9 | 62856 | Forefront Power, LLC | IPP | Harmony Road Solar | IL | 63069 | 1823 | 1.9 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.9 |
| 2020 | 9 | 62856 | Forefront Power, LLC | IPP | UC Santa Cruz Solar | CA | 63091 | 246 | 2.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.2 |
| 2020 | 9 | 6541 | Formosa Plastics Corp | Industrial | Formosa Utility Venture Ltd | TX | 10554 | 3TBG2 | 97.0 | Natural Gas Fired Combined Cycle | NG | CT | (TS) Construction complete, but not yet in commercial operation | 102.0 |
| 2020 | 9 | 63406 | Freight Line Solar, LLC | IPP | Freight Line Solar, LLC | NC | 63693 | 13503 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 63548 | GD Hopkinton Main I, LLC | IPP | GD Hopkinton Main I, LLC | RI | 63893 | MAIN1 | 2.6 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.6 |
| 2020 | 9 | 63548 | GD Hopkinton Main I, LLC | IPP | GD Hopkinton Main I, LLC | RI | 63893 | MAIN2 | 3.9 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 3.9 |
| 2020 | 9 | 63548 | GD Hopkinton Main I, LLC | IPP | GD Hopkinton Main I, LLC | RI | 63893 | MAIN3 | 4.1 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.1 |
| 2020 | 9 | 7140 | Georgia Power Co | Electric Utility | Kings Bay Solar Facility | GA | 59864 | BESS | 1.5 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 1.5 |
| 2020 | 9 | 7140 | Georgia Power Co | Electric Utility | Tech Square Microgrid | GA | 63775 | BESS1 | 0.2 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 0.2 |
| 2020 | 9 | 7140 | Georgia Power Co | Electric Utility | Tech Square Microgrid | GA | 63775 | DG1 | 0.6 | Petroleum Liquids | DFO | IC | (V) Under construction, more than 50 percent complete | 0.6 |
| 2020 | 9 | 7140 | Georgia Power Co | Electric Utility | Tech Square Microgrid | GA | 63775 | FC1 | 0.2 | Other Natural Gas | NG | FC | (V) Under construction, more than 50 percent complete | 0.2 |
| 2020 | 9 | 7140 | Georgia Power Co | Electric Utility | Tech Square Microgrid | GA | 63775 | NGE1 | 0.2 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 0.2 |
| 2020 | 9 | 7140 | Georgia Power Co | Electric Utility | Tech Square Microgrid | GA | 63775 | NGE2 | 0.2 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 0.2 |
| 2020 | 9 | 62759 | Geronimo Energy | IPP | Aster Community Solar Garden, LLC | MN | 63305 | ASTER | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62759 | Geronimo Energy | IPP | Geranium Solar, LLC | MN | 63317 | GERNM | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62759 | Geronimo Energy | IPP | Hyacinth Solar, LLC | MN | 63312 | HYCIN | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62759 | Geronimo Energy | IPP | Iris Solar, LLC (MN) | MN | 63319 | IRIS | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62759 | Geronimo Energy | IPP | Kerria Solar, LLC | MN | 63315 | KERIA | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62759 | Geronimo Energy | IPP | Primrose Solar, LLC | MN | 63314 | PROSE | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62696 | Gichi Noodin Wind Farm, LLC | IPP | Gichi Noodin Wind Farm | MI | 62815 | GNWF1 | 72.8 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 72.8 |
| 2020 | 9 | 62046 | High Lonesome Wind Power, LLC | IPP | High Lonesome Wind Power, LLC | TX | 62562 | HILO | 449.5 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 449.5 |
| 2020 | 9 | 62046 | High Lonesome Wind Power, LLC | IPP | High Lonesome Wind Power, LLC | TX | 62562 | HILO2 | 50.0 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 50.0 |
| 2020 | 9 | 63408 | Holly Swamp Solar, LLC | IPP | Holly Swamp Solar, LLC | NC | 63695 | 13502 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 9191 | Idaho Power Co | Electric Utility | Shoshone Falls | ID | 818 | 4 | 3.2 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 3.2 |
| 2020 | 9 | 9234 | Indiana Municipal Power Agency | Electric Utility | Centerville Solar Park | IN | 62794 | SCENT | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 9234 | Indiana Municipal Power Agency | Electric Utility | Crawfordsville 5 Solar Park | IN | 62793 | SCRA5 | 9.7 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 9.7 |
| 2020 | 9 | 9417 | Interstate Power and Light Co | Electric Utility | Richland | IA | 62080 | 1 | 130.1 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 130.1 |
| 2020 | 9 | 61219 | Longroad Energy Services LLC | IPP | El Campo Wind | TX | 62765 | CAMPO | 242.8 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 242.8 |
| 2020 | 9 | 62897 | MSB Investors, LLC | Electric CHP | ReSource Center | CA | 63094 | SBAD1 | 1.1 | Other Waste Biomass | OBG | IC | (V) Under construction, more than 50 percent complete | 1.1 |
| 2020 | 9 | 62897 | MSB Investors, LLC | Electric CHP | ReSource Center | CA | 63094 | SBAD2 | 1.1 | Other Waste Biomass | OBG | IC | (V) Under construction, more than 50 percent complete | 1.1 |
| 2020 | 9 | 62915 | Madison Energy Holdings LLC | IPP | Betcher CSG 1, LLC | MN | 63819 | BET01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62915 | Madison Energy Holdings LLC | IPP | Hinterland CSG, LLC | MN | 63817 | HIN01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62915 | Madison Energy Holdings LLC | IPP | Huneke CSG 1, LLC | MN | 63820 | HUN01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62915 | Madison Energy Holdings LLC | IPP | Huneke CSG 2, LLC | MN | 63821 | HUN02 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62726 | Mountain Breeze Wind, LLC | IPP | Mountain Breeze Wind, LLC | CO | 62840 | MTBRZ | 170.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 170.0 |
| 2020 | 9 | 63471 | NES Olympos | IPP | Willard Solar | NC | 60287 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 9 | 56990 | NJR Clean Energy Ventures Corporation | IPP | ACCP NJ 1 | NJ | 63198 | ACCP1 | 1.2 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.2 |
| 2020 | 9 | 56990 | NJR Clean Energy Ventures Corporation | IPP | Galloway Landfill | NJ | 63698 | GALLO | 2.3 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 2.3 |
| 2020 | 9 | 58718 | Na Pua Makani Power Partners LLC | IPP | Na Pua Makani Wind Project | HI | 58837 | WT1 | 25.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 25.0 |
| 2020 | 9 | 63185 | Neighborhood Power Corp. | IPP | Dunn Road Solar | OR | 63642 | W9736 | 1.8 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.8 |
| 2020 | 9 | 63185 | Neighborhood Power Corp. | IPP | Mt Hope Solar | OR | 63663 | W0053 | 2.5 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 2.5 |
| 2020 | 9 | 63185 | Neighborhood Power Corp. | IPP | River Valley Solar | OR | 63665 | W0054 | 1.9 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.9 |
| 2020 | 9 | 63185 | Neighborhood Power Corp. | IPP | Williams Acres Solar | OR | 63664 | W0055 | 2.5 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 2.5 |
| 2020 | 9 | 62848 | Novel Jewison Solar LLC CSG | IPP | Novel Jewison Solar CSG | MN | 62984 | JEWI | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62850 | Novel Kanewischer Solar LLC CSG | IPP | Novel Kanewischer Solar CSG | MN | 62986 | KANE | 1.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.0 |
| 2020 | 9 | 62866 | Novel MNDot Solar LLC CSG | IPP | Novel MNDot Solar CSG | MN | 63007 | MNDT | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 62847 | Novel Pederson Solar LLC CSG | IPP | Novel Pederson Solar CSG | MN | 62983 | PED | 1.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.0 |
| 2020 | 9 | 62846 | Novel Schmoll Farms Solar LLC CSG | IPP | Novel Schmoll Farms Solar CSG | MN | 62982 | SCHM | 1.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 1.0 |
| 2020 | 9 | 63331 | Organic Energy Solutions, Inc. | Electric CHP | OES Biogas Power | CA | 63622 | OES01 | 1.3 | Other Waste Biomass | OBG | IC | (V) Under construction, more than 50 percent complete | 1.3 |
| 2020 | 9 | 63331 | Organic Energy Solutions, Inc. | Electric CHP | OES Biogas Power | CA | 63622 | OES02 | 1.3 | Other Waste Biomass | OBG | IC | (V) Under construction, more than 50 percent complete | 1.3 |
| 2020 | 9 | 63405 | PG Solar, LLC | IPP | PG Solar, LLC | NC | 63692 | 13504 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 14624 | PUD No 2 of Grant County | Electric Utility | Wanapum | WA | 3888 | 4A | 122.0 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 122.0 |
| 2020 | 9 | 61521 | Pegasus Wind, LLC | IPP | Pegasus Wind | MI | 61916 | PWEC2 | 130.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 130.0 |
| 2020 | 9 | 61592 | Pleinmont Solar 1 LLC | IPP | Pleinmont Solar 1 | VA | 62012 | PLNM1 | 75.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 75.0 |
| 2020 | 9 | 15466 | Public Service Co of Colorado | Electric Utility | Cheyenne Ridge Wind Farm | CO | 62952 | CRW01 | 488.0 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 498.4 |
| 2020 | 9 | 56215 | RWE Renewables Americas LLC | IPP | Cranell Wind Farm LLC | TX | 62416 | WT1 | 220.0 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 220.0 |
| 2020 | 9 | 63449 | Renewable Properties, LLC | IPP | Ballenger Road Solar A | SC | 63759 | BALGR | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 63449 | Renewable Properties, LLC | IPP | Soscol Ferry Solar | CA | 63761 | SSCLC | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 63449 | Renewable Properties, LLC | IPP | Soscol Ferry Solar | CA | 63761 | SSCLD | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 9 | 63449 | Renewable Properties, LLC | IPP | White Horse Solar A | SC | 63760 | WHRSA | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 9 | 62047 | Roadrunner Solar, LLC | IPP | Roadrunner, LLC | TX | 62561 | RODR1 | 200.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 200.0 |
| 2020 | 9 | 62047 | Roadrunner Solar, LLC | IPP | Roadrunner, LLC | TX | 62561 | RODR2 | 200.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 200.0 |
| 2020 | 9 | 61634 | SR Terrell, LLC | IPP | SR Terrell | GA | 62058 | TERRL | 74.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 74.0 |
| 2020 | 9 | 16534 | Sacramento Municipal Util Dist | Electric Utility | White Rock/Slab Creek | CA | 435 | H3 | 2.7 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 2.7 |
| 2020 | 9 | 62113 | Sage Draw Wind, LLC | IPP | Sage Draw Wind | TX | 62620 | SD | 338.4 | Onshore Wind Turbine | WND | WT | (TS) Construction complete, but not yet in commercial operation | 338.4 |
| 2020 | 9 | 17650 | Southern Power Co | IPP | Skookumchuck Wind Facility | WA | 63205 | 1 | 136.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 136.0 |
| 2020 | 9 | 62844 | Spring Hope Solar 3, LLC | IPP | Spring Hope Solar 3, LLC | NC | 62997 | PGR09 | 4.9 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.9 |
| 2020 | 9 | 60531 | Standard Solar | IPP | USS Horne North Solar LLC CSG | MN | 63154 | HORNN | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 9 | 60531 | Standard Solar | IPP | USS Horne South Solar LLC CSG | MN | 63155 | HORNS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 9 | 58658 | Sunlight Partners | IPP | Cash Solar | NC | 60178 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2020 | 9 | 62819 | Syncarpha Halifax, LLC | IPP | Syncarpha Halifax Hybrid | MA | 62973 | SYHAS | 1.7 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.7 |
| 2020 | 9 | 62044 | TG High Prairie Wind, LLC | IPP | High Prairie Wind Farm | MO | 62563 | HPWF | 400.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 400.0 |
| 2020 | 9 | 61534 | Techren Solar III LLC | IPP | Techren Solar III LLC | NV | 61931 | TECH3 | 25.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 25.0 |
| 2020 | 9 | 61535 | Techren Solar IV LLC | IPP | Techren Solar IV LLC | NV | 61932 | TECH4 | 25.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 25.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 9 | 61890 | Tenaska Nobles 2 Power Partners, LLC | IPP | Nobles 2 Wind Project | MN | 62364 | WT1 | 250.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 250.0 |
| 2020 | 9 | 62946 | USS All In Solar LLC | IPP | USS All In Solar LLC CSG | MN | 63160 | ALLIN | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 9 | 62701 | Vista Solar, Inc. | IPP | Bio-Rad | CA | 63189 | BIORD | 2.4 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.5 |
| 2020 | 9 | 20323 | Wellhead Energy, LLC | IPP | Stanton Energy Reliability Center Hybrid | CA | 60698 | BESS1 | 10.0 | Batteries | MWH | BA | (OT) Other | 10.0 |
| 2020 | 9 | 20323 | Wellhead Energy, LLC | IPP | Stanton Energy Reliability Center Hybrid | CA | 60698 | BESS2 | 10.0 | Batteries | MWH | BA | (OT) Other | 10.0 |
| 2020 | 9 | 63490 | Williamsville Road LLC | IPP | Williamsville Hybrid | MA | 63805 | WIL | 5.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2020 | 10 | 63186 | 1001 Ebenezer Church Solar, LLC | IPP | 1001 Ebenezer Church Solar | NC | 63444 | 1001 | 5.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2020 | 10 | 63193 | 1045 Tomlin Mill Solar, LLC | IPP | 1045 Tomlin Mill Solar | NC | 63448 | 1045 | 4.9 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 4.9 |
| 2020 | 10 | 63191 | 1073 Onslow Solar, LLC | IPP | 1073 Onslow Solar | NC | 63446 | 1073 | 4.7 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 4.7 |
| 2020 | 10 | 61012 | AES Distributed Energy | IPP | East Brookfield Main Street Solar LLC | MA | 63887 | EBMSS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 61012 | AES Distributed Energy | IPP | Middletown Solar 1, LLC Hybrid | NY | 63415 | BATT | 1.6 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 1.6 |
| 2020 | 10 | 61012 | AES Distributed Energy | IPP | Middletown Solar 1, LLC Hybrid | NY | 63415 | CENTR | 1.6 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.6 |
| 2020 | 10 | 61012 | AES Distributed Energy | IPP | Ryan Road Solar LLC Hybrid | MA | 63044 | BESS | 4.3 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 4.3 |
| 2020 | 10 | 61012 | AES Distributed Energy | IPP | Ryan Road Solar LLC Hybrid | MA | 63044 | ORCHA | 4.3 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 4.3 |
| 2020 | 10 | 62747 | Acorn I Energy Storage LLC | IPP | Acorn I Energy Storage LLC | CA | 62874 | ACOR1 | 2.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 10 | 61949 | Assembly Solar I, LLC | IPP | Assembly Solar Project | MI | 62422 | ASP01 | 50.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 50.0 |
| 2020 | 10 | 59474 | BQ Energy LLC | IPP | Mount Kisco Landfill Solar & Storage | NY | 63774 | KISCB | 0.5 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 0.5 |
| 2020 | 10 | 59474 | BQ Energy LLC | IPP | Mount Kisco Landfill Solar & Storage | NY | 63774 | KRS | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2020 | 10 | 59474 | BQ Energy LLC | IPP | West Valley East | NY | 62738 | WVE | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 10 | 59474 | BQ Energy LLC | IPP | West Valley West | NY | 62737 | WVW | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 10 | 63208 | Bighorn Solar, LLC | IPP | Bighorn Solar | OR | 63467 | PGR16 | 2.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.2 |
| 2020 | 10 | 2265 | Bristol-Myers Squibb Co | IPP | Bristol Myers Squibb Lawrenceville | NJ | 58947 | TG102 | 5.0 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 5.4 |
| 2020 | 10 | 63415 | CO Buffalo Flats LLC | IPP | Rawhide Prairie Solar Hybrid | CO | 63722 | BA1 | 1.0 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 10 | 63073 | Chicot Solar, LLC | IPP | Chicot Solar | AR | 63295 | CHICO | 100.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 100.0 |
| 2020 | 10 | 56769 | Consolidated Edison Development Inc. | IPP | CED Beecher Sun Solar | IL | 63823 | BS1 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 10 | 56769 | Consolidated Edison Development Inc. | IPP | CED Peoria Solar | IL | 63656 | PS1 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 10 | 59319 | Cotton Solar, LLC | IPP | Cotton Solar | SC | 59572 | PV1 | 16.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 16.0 |
| 2020 | 10 | 59550 | Croda Inc. | Industrial | Croda Atlas Point CHP | DE | 59783 | 91199 | 2.0 | Landfill Gas | LFG | IC | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 10 | 61610 | Delaware River Solar, LLC | IPP | Big Tree Community Solar Farm | NY | 62476 | 607 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 10 | 57170 | EDF Renewable Asset Holdings, Inc. | IPP | Coyote Wind LLC | TX | 63655 | COY | 242.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 242.5 |
| 2020 | 10 | 56201 | Engie North America | IPP | King Plains Wind Project | OK | 63104 | WTG | 250.2 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 250.2 |
| 2020 | 10 | 56201 | Engie North America | IPP | Prairie Hill Wind Project | TX | 63100 | WTG | 300.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2020 | 10 | 6541 | Formosa Plastics Corp | Industrial | Formosa Utility Venture Ltd | TX | 10554 | 3TBG1 | 97.0 | Natural Gas Fired Combined Cycle | NG | CT | (V) Under construction, more than 50 percent complete | 102.0 |
| 2020 | 10 | 62759 | Geronimo Energy | IPP | Bellflower Solar, LLC | MN | 63318 | BELLF | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 63417 | ISM Solar Cranston, LLC | IPP | ISM Solar Cranston | RI | 63718 | CR | 3.4 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 3.4 |
| 2020 | 10 | 9234 | Indiana Municipal Power Agency | Electric Utility | Richmond Solar Park 4 | IN | 62791 | SRIC4 | 7.1 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 7.1 |
| 2020 | 10 | 49893 | Invenergy Services LLC | IPP | Harry Allen Solar Energy LLC | NV | 63080 | GEN1 | 118.8 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 118.8 |
| 2020 | 10 | 59685 | JPMorgan Chase Bank | Commercial | South Campus Solar | DE | 59922 | G1789 | 1.8 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.8 |
| 2020 | 10 | 63244 | KSI II Consolidated, LLC | IPP | County Route 11 Community Solar Farm | NY | 62507 | 1419 | 4.1 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 4.1 |
| 2020 | 10 | 63244 | KSI II Consolidated, LLC | IPP | Frey Rd #1 Community Solar Farm | NY | 62504 | 1159 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2020 | 10 | 63244 | KSI II Consolidated, LLC | IPP | Frey Rd #2 Community Solar Farm | NY | 62521 | 1442 | 1.4 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.4 |
| 2020 | 10 | 63244 | KSI II Consolidated, LLC | IPP | Furnace Rd Community Solar Farm | NY | 62508 | 1420 | 3.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.0 |
| 2020 | 10 | 59195 | Landfill Energy Systems | IPP | Zimmerman Energy | IN | 59425 | ZE#4 | 1.4 | Landfill Gas | LFG | IC | (U) Under construction, less than or equal to 50 percent complete | 1.6 |
| 2020 | 10 | 63431 | Las Majadas Wind Farm, LLC | IPP | Las Majadas Wind Farm | TX | 63739 | LMAJ | 272.6 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 272.6 |
| 2020 | 10 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Elk Hill Solar 2 | PA | 63768 | PAEH2 | 15.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 15.0 |
| 2020 | 10 | 63609 | Lyman Garden LLC | IPP | Lyman Garden | MN | 63937 | CGS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 63394 | MSAP 13, LLC | IPP | MSAP 13 | NY | 63675 | TROYL | 2.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 2.0 |
| 2020 | 10 | 62915 | Madison Energy Holdings LLC | IPP | ESIL-PFCHICAGO 2, LLC | IL | 63889 | PF2CH | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 10 | 62915 | Madison Energy Holdings LLC | IPP | RJC CSG, LLC | MN | 63816 | RJC01 | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 10 | 62915 | Madison Energy Holdings LLC | IPP | Timonium Fairgrounds | MD | 63904 | FAIR1 | 1.9 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.9 |
| 2020 | 10 | 63607 | Marion Garden LLC | IPP | Marion Garden | MN | 63935 | CGS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 63204 | Mohea Solar Energy Center, LLC | IPP | Mohea Solar Energy Center, LLC | SC | 63463 | PGR14 | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 10 | 62869 | Novel Benedix Solar LLC CSG | IPP | Novel Benedix Solar CSG | MN | 63010 | BNDX | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 10 | 63017 | Novel Wayne Solar LLC | IPP | Novel Wayne Solar LLC CSG | MN | 63249 | WAYNE | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 10 | 62758 | Orchard Windfarm, LLC | IPP | Orchard Windfarm, LLC | OR | 62935 | OCHW | 40.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 40.0 |
| 2020 | 10 | 63202 | Pika Solar, LLC | IPP | Pika Solar | OR | 63462 | PGR17 | 2.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.2 |
| 2020 | 10 | 63299 | Ponderosa Wind, LLC | IPP | Ponderosa Wind Energy Center | OK | 63590 | PONDE | 200.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2020 | 10 | 62778 | Rattlesnake Flat, LLC | IPP | Rattlesnake | WA | 62936 | RAT | 144.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 144.0 |
| 2020 | 10 | 63449 | Renewable Properties, LLC | IPP | Silveira Ranch Road Solar | CA | 63762 | SILVA | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 63449 | Renewable Properties, LLC | IPP | Silveira Ranch Road Solar | CA | 63762 | SILVB | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 63449 | Renewable Properties, LLC | IPP | Silveira Ranch Road Solar | CA | 63762 | SILVC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 63164 | Robin Solar, LLC | IPP | Robin Solar | NC | 60165 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2020 | 10 | 63374 | Sanford Airport Solar, LLC | IPP | Sanford Solar | ME | 63667 | SAS | 49.4 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 49.4 |
| 2020 | 10 | 63522 | Santa Ana Storage 1 | IPP | Johanna Energy Center, LLC | CA | 63843 | SASP1 | 20.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 20.0 |
| 2020 | 10 | 63610 | Severson Garden LLC | IPP | Severson Garden | MN | 63934 | CGS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 61677 | Sol Systems | IPP | ESA Buies Creek, LLC | NC | 63732 | 11630 | 2.8 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 2.8 |
| 2020 | 10 | 60531 | Standard Solar | IPP | Town of Burrillville Solar | RI | 62898 | X0042 | 4.2 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.2 |
| 2020 | 10 | 60531 | Standard Solar | IPP | USS Christoffer Solar LLC CSG | MN | 63152 | CHRST | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 10 | 60531 | Standard Solar | IPP | USS Solar Sources LLC CSG | MN | 63151 | SOURC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 60568 | Sugar Creek Wind One LLC | IPP | Sugar Creek Wind One LLC | IL | 58924 | SUG1 | 202.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 202.0 |
| 2020 | 10 | 62821 | Syncarpha Northampton, LLC | IPP | Syncarpha Northampton Hybrid | MA | 62976 | SYNOS | 3.6 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 3.6 |
| 2020 | 10 | 62825 | Syncarpha Northbridge II, LLC | IPP | Syncarpha Northbridge II Hybrid | MA | 62978 | SYN2S | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 10 | 59598 | Tooele Army Depot | IPP | Tooele Army Depot | UT | 59817 | PV1 | 1.5 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.5 |
| 2020 | 10 | 24211 | Tucson Electric Power Co | Electric Utility | Oso Grande Wind Farm | NM | 63502 | OGW24 | 33.8 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 33.8 |
| 2020 | 10 | 24211 | Tucson Electric Power Co | Electric Utility | Oso Grande Wind Farm | NM | 63502 | OGW45 | 216.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 216.0 |
| 2020 | 10 | 62954 | USS Bush Solar LLC | IPP | USS Bush Solar LLC CSG | MN | 63166 | BUSH | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 10 | 60192 | Warbler Holdings, LLC | IPP | Warbler Holdings | NC | 60393 | PV1 | 4.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 4.0 |
| 2020 | 10 | 20421 | Western Minnesota Mun Pwr Agny | Electric Utility | Red Rock Hydro Plant | IA | 58434 | 1 | 27.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 18.2 |
| 2020 | 10 | 20421 | Western Minnesota Mun Pwr Agny | Electric Utility | Red Rock Hydro Plant | IA | 58434 | 2 | 27.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 18.2 |
| 2020 | 10 | 62668 | Wheatridge Wind Energy, LLC | IPP | Wheatridge Hybrid | OR | 62745 | WIND | 300.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2020 | 10 | 63490 | Williamsville Road LLC | IPP | Williamsville Hybrid | MA | 63805 | WBESS | 3.3 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 3.3 |
| 2020 | 10 | 63472 | Willow Creek Wind Power, LLC | IPP | Willow Creek Wind Power LLC | SD | 62431 | 1 | 103.5 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 105.0 |
| 2020 | 10 | 20856 | Wisconsin Power & Light Co | Electric Utility | Kossuth | IA | 62103 | 1 | 152.2 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 152.2 |
| 2020 | 11 | 63192 | 1008 Matthews Solar, LLC | IPP | 1008 Matthews Solar | NC | 63447 | 1008 | 4.9 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 4.9 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | Alicea Solar Project Hybrid | MA | 63469 | ALICA | 2.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 2.0 |
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | Alicea Solar Project Hybrid | MA | 63469 | BATT | 1.5 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 1.5 |
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | Annese Solar Project Hybrid | MA | 63474 | ANNES | 4.6 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.6 |
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | Annese Solar Project Hybrid | MA | 63474 | BATT | 3.2 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 3.2 |
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | W. Orange Rd Solar LLC | MA | 63047 | HEYES | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | West A&B Solar Project Hybrid | MA | 63473 | BATT | 1.8 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 1.8 |
| 2020 | 11 | 61012 | AES Distributed Energy | IPP | West A&B Solar Project Hybrid | MA | 63473 | WEST | 2.5 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 2.5 |
| 2020 | 11 | 61683 | Amadeus Wind LLC | IPP | Amadeus Wind Farm | TX | 62142 | AM-TX | 250.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 250.0 |
| 2020 | 11 | 63419 | Augusta Solar, LLC | IPP | Augusta Solar | SC | 63720 | PGR23 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 11 | 62881 | Chambers Road Solar LLC | IPP | Chambers Road Solar | NY | 62860 | 263 | 4.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.0 |
| 2020 | 11 | 63526 | Chestnut Westside, LLC | IPP | Chestnut | CA | 63849 | CHNUT | 150.6 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 150.6 |
| 2020 | 11 | 60609 | Clean Focus Renewables, Inc. | IPP | Rugged Solar LLC | CA | 57960 | 1 | 80.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 80.0 |
| 2020 | 11 | 4180 | Connecticut Mun Elec Engy Coop | Electric Utility | Subase Microgrid Project | CT | 59701 | SFC1 | 3.7 | Other Natural Gas | NG | FC | (U) Under construction, less than or equal to 50 percent complete | 3.7 |
| 2020 | 11 | 4180 | Connecticut Mun Elec Engy Coop | Electric Utility | Subase Microgrid Project | CT | 59701 | SFC2 | 3.7 | Other Natural Gas | NG | FC | (U) Under construction, less than or equal to 50 percent complete | 3.7 |
| 2020 | 11 | 56769 | Consolidated Edison Development Inc. | IPP | Water Strider Solar | VA | 63549 | WSS | 80.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 80.0 |
| 2020 | 11 | 63511 | Constellation Solar Illinois 2, LLC | IPP | Conagra Foods at St. Elmo | IL | 63830 | CFS | 1.8 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.8 |
| 2020 | 11 | 63064 | Crowned Ridge Wind II LLC | IPP | Crowned Ridge Wind II Energy Center | SD | 63269 | CRW2 | 200.6 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 200.6 |
| 2020 | 11 | 5109 | DTE Electric Company | Electric Utility | Isabella Wind Park | MI | 63601 | 1 | 383.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 383.5 |
| 2020 | 11 | 58468 | Dominion Renewable Energy | Electric Utility | Spring Grove I | VA | 61986 | SGIS | 97.9 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 97.9 |
| 2020 | 11 | 56201 | Engie North America | IPP | Triple H Wind Project | SD | 63103 | WTG | 250.2 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 250.2 |
| 2020 | 11 | 6541 | Formosa Plastics Corp | Industrial | Formosa Utility Venture Ltd | TX | 10554 | 3ST1 | 38.0 | Natural Gas Fired Combined Cycle | NG | CA | (V) Under construction, more than 50 percent complete | 40.0 |
| 2020 | 11 | 62759 | Geronimo Energy | IPP | Allium Community Solar Garden, LLC | MN | 63304 | ALIUM | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62759 | Geronimo Energy | IPP | Coral Bells Solar, LLC | MN | 63313 | CORAL | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62759 | Geronimo Energy | IPP | Honeysuckle Solar, LLC | MN | 63309 | HONEY | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62759 | Geronimo Energy | IPP | Lantana Solar, LLC | MN | 63311 | LANTA | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62759 | Geronimo Energy | IPP | Marigold Community Solar Garden, LLC | MN | 63308 | MGOLD | 1.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 1.0 |
| 2020 | 11 | 62759 | Geronimo Energy | IPP | Westport Community Solar, LLC | MN | 63307 | WESTP | 1.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 1.0 |
| 2020 | 11 | 60222 | Haida Energy, Inc. | Electric Utility | Hiilangaay Hydro | AK | 59037 | GEN 1 | 5.0 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 11 | 62879 | Hickory Grove #1 LLC | IPP | Hickory Grove #1 | NY | 62831 | 25 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 11 | 62880 | Hickory Grove #2 | IPP | Hickory Grove #2 | NY | 62832 | 309 | 1.7 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.7 |
| 2020 | 11 | 63404 | Hunker Solar River, LLC | IPP | Hunker Solar River, LLC | PA | 63691 | 13502 | 3.3 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 3.3 |
| 2020 | 11 | 62134 | Hunter Solar LLC | IPP | Hunter Solar LLC | UT | 62656 | HUSOL | 100.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 100.0 |
| 2020 | 11 | 61853 | Innogy Renewables US LLC | IPP | Scioto Ridge Wind Farm | OH | 58780 | 1 | 249.8 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 249.8 |
| 2020 | 11 | 49893 | Invenergy Services LLC | IPP | Crescent Valley Solar | NV | 62888 | GEN1 | 149.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 149.0 |
| 2020 | 11 | 49893 | Invenergy Services LLC | IPP | Lovelock Solar | NV | 62934 | GEN1 | 190.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 190.0 |
| 2020 | 11 | 49893 | Invenergy Services LLC | IPP | Millican Solar Energy LLC | OR | 63050 | GEN1 | 71.4 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 71.4 |
| 2020 | 11 | 63128 | Jordan Creek Wind Farm, LLC | IPP | Jordan Creek Wind Farm, LLC | IN | 63389 | JCW | 400.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 400.0 |
| 2020 | 11 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Wildflower Solar 1 | CA | 62988 | CAWF1 | 13.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 13.0 |
| 2020 | 11 | 61219 | Longroad Energy Services LLC | IPP | Weaver Wind | ME | 63132 | WEAVR | 72.6 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 72.6 |
| 2020 | 11 | 63440 | Milford Solar I (NES) | IPP | Milford Solar 1 | UT | 62812 | MS1 | 99.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 99.0 |
| 2020 | 11 | 63206 | Minke Solar, LLC | IPP | Minke Solar | OR | 63465 | PGR20 | 2.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.2 |
| 2020 | 11 | 63014 | Novel Debra Solar LLC | IPP | Novel Debra Solar LLC CSG | MN | 63247 | DEBRA | 1.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.0 |
| 2020 | 11 | 14232 | Otter Tail Power Co | Electric Utility | Merricourt Wind Energy Center | ND | 57048 | 1 | 150.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 150.0 |
| 2020 | 11 | 14354 | PacifiCorp | Electric Utility | Ekola Flats | WY | 62591 | 1 | 250.9 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 250.9 |
| 2020 | 11 | 14354 | PacifiCorp | Electric Utility | TB Flats | WY | 62516 | 1 | 503.2 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 503.2 |
| 2020 | 11 | 63141 | Rancho Seco Solar II, LLC | IPP | Rancho Seco Solar II, LLC | CA | 63387 | RSS2 | 160.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 160.0 |
| 2020 | 11 | 62146 | Sigurd Solar LLC | IPP | Sigurd Solar LLC | UT | 62666 | SGSOL | 80.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 80.0 |
| 2020 | 11 | 63608 | Silver Lake Garden LLC | IPP | Silver Lake Garden | MN | 63936 | CGS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 61677 | Sol Systems | IPP | Eros Solar, LLC | NC | 63733 | 11631 | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 11 | 61677 | Sol Systems | IPP | Ventura Solar, LLC | NC | 63734 | 11632 | 5.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2020 | 11 | 60531 | Standard Solar | IPP | USS KVPV Solar LLC | MN | 63169 | KVPV | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 60531 | Standard Solar | IPP | USS Steamboat Solar LLC CSG | MN | 63221 | STMBT | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62819 | Syncarpha Halifax, LLC | IPP | Syncarpha Halifax Hybrid | MA | 62973 | SYHAB | 2.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 11 | 62814 | Syncarpha Leicester, LLC | IPP | Syncarpha Leicester Hybrid | MA | 62972 | SYLES | 2.6 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.6 |
| 2020 | 11 | 62821 | Syncarpha Northampton, LLC | IPP | Syncarpha Northampton Hybrid | MA | 62976 | SYNOB | 2.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 11 | 62825 | Syncarpha Northbridge II, LLC | IPP | Syncarpha Northbridge II Hybrid | MA | 62978 | SYN2B | 3.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 3.0 |
| 2020 | 11 | 63602 | Titan Solar 1, LLC | IPP | Titan Solar 1 (CA) | CA | 63932 | TITN1 | 70.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 70.0 |
| 2020 | 11 | 62955 | USS Hancock Solar | IPP | USS Hancock Solar LLC CSG | MN | 63167 | HNCCK | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62956 | USS Pheasant Solar LLC | IPP | USS Pheasant Solar LLC | MN | 63168 | PHSNT | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62953 | USS Reindeer Solar LLC | IPP | USS Reindeer Solar LLC CSG | MN | 63165 | RENDR | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 63435 | USS Solar Way LLC | IPP | USS Solar Way LLC | MN | 63743 | SOLWY | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 11 | 62748 | Wildcat I Energy Storage LLC | IPP | Wildcat I Energy Storage LLC | CA | 62875 | WILD1 | 3.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 3.0 |
| 2020 | 12 | 62685 | 10 Briggs Solar NG, LLC | IPP | 10 Briggs Solar NG, LLC (East) | RI | 62781 | 02818 | 5.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2020 | 12 | 63190 | 1009 Yadkin Solar, LLC | IPP | 1009 Yadkin Solar | NC | 63445 | 1009 | 4.9 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 4.9 |
| 2020 | 12 | 62006 | 7X Energy, Inc. | IPP | Taygete Energy Project LLC | TX | 62483 | PV1 | 255.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 255.0 |
| 2020 | 12 | 61012 | AES Distributed Energy | IPP | Partridge Hill Solar Hybrid | MA | 63264 | PART3 | 2.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 2.0 |
| 2020 | 12 | 61012 | AES Distributed Energy | IPP | Randall Solar Project Hybrid | MA | 63475 | BATT | 3.3 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 3.3 |
| 2020 | 12 | 61012 | AES Distributed Energy | IPP | Randall Solar Project Hybrid | MA | 63475 | RAND | 5.0 | Solar Photovoltaic | SUN | PV | (TS) Construction complete, but not yet in commercial operation | 5.0 |
| 2020 | 12 | 57416 | Acciona Energy USA Global, LLC | IPP | La Chalupa, LLC | TX | 63624 | LC | 198.5 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 198.5 |
| 2020 | 12 | 62981 | Aero Haven Solar LLC | IPP | Aero Haven Solar | NJ | 63195 | ACP3 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2020 | 12 | 62627 | Alchemy Renewable Energy | IPP | Twittys Creek Solar, LLC | VA | 63077 | VATC | 13.8 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 13.8 |
| 2020 | 12 | 59496 | Allete Clean Energy | IPP | Diamond Spring, LLC | OK | 63327 | 46001 | 303.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 303.0 |
| 2020 | 12 | 62119 | Antelope Expansion 3A, LLC | IPP | Antelope Expansion 3A | CA | 62673 | ANX3A | 15.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 15.0 |
| 2020 | 12 | 62118 | Antelope Expansion 3B, LLC | IPP | Antelope Expansion 3B | CA | 62674 | ANX3B | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 12 | 63021 | Aurora Wind Project, LLC | IPP | Aurora Wind Project | ND | 63258 | AURWP | 298.8 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 298.8 |
| 2020 | 12 | 15399 | Avangrid Renewables LLC | IPP | La Joya NM | NM | 61044 | WT1 | 306.2 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 306.2 |
| 2020 | 12 | 15399 | Avangrid Renewables LLC | IPP | Roaring Brook, LLC | NY | 61041 | WT1 | 78.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 78.0 |
| 2020 | 12 | 15399 | Avangrid Renewables LLC | IPP | Tatanka Ridge | SD | 61046 | WT1 | 154.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 154.0 |
| 2020 | 12 | 60368 | BRE NC Solar 4, LLC | IPP | BRE NC Solar 4 | NC | 60628 | BEAM4 | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 12 | 62680 | BT Coniglio Solar LLC | IPP | Coniglio Solar | TX | 62772 | BTCON | 123.6 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 123.6 |
| 2020 | 12 | 62681 | BT Cooke Solar, LLC | IPP | Rippey Solar | TX | 62773 | BTCOO | 59.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 59.0 |
| 2020 | 12 | 62682 | BT Kellam Solar LLC | IPP | Kellam Solar | TX | 62774 | BTKEL | 59.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 59.0 |
| 2020 | 12 | 56771 | Black Hills Service Company LLC | Electric Utility | Corriedale Wind Energy | WY | 63436 | WTG | 52.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 52.5 |
| 2020 | 12 | 63116 | Bluebell Solar II, LLC | IPP | Bluebell Solar II | TX | 63351 | BBS2 | 115.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 115.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 12 | 59845 | Blythe Solar IV, LLC | IPP | Blythe Solar IV, LLC | CA | 60095 | BLS4A | 68.7 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 68.7 |
| 2020 | 12 | 59845 | Blythe Solar IV, LLC | IPP | Blythe Solar IV, LLC | CA | 60095 | BLS4B | 68.7 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 68.7 |
| 2020 | 12 | 60816 | Boston Medical Center | Commercial | Boston Medical Center CHP Plant | MA | 61186 | BATT | 1.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 62995 | Broad Mountain Power LLC | IPP | Broad Mountain Wind Project | PA | 63210 | BROAD | 80.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 80.0 |
| 2020 | 12 | 62718 | Broad River Solar, LLC | IPP | Broad River Solar, LLC | NC | 62822 | GEN1 | 50.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2020 | 12 | 63295 | Brooten CSG1 LLC | IPP | Brooten CSG1, LLC | MN | 63593 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 63296 | Buffalo Lake CSG1 LLC | IPP | Buffalo Lake CSG1, LLC | MN | 63594 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 60714 | Burke Wind LLC | IPP | Burke Wind, LLC | ND | 61100 | GE23 | 199.4 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 199.4 |
| 2020 | 12 | 62872 | Carolina Lily Solar, LLC | IPP | Carolina Lily Solar | NC | 63016 | 1096 | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 12 | 63581 | Cedar Springs Transmission, LLC | IPP | Cedar Springs II | WY | 63915 | 82634 | 200.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2020 | 12 | 63582 | Cedar Springs Wind III, LLC | IPP | Cedar Springs III | WY | 63916 | 82635 | 133.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 133.0 |
| 2020 | 12 | 63580 | Cedar Springs Wind, LLC | IPP | Cedar Springs I | WY | 63914 | 82633 | 200.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2020 | 12 | 63495 | Centerfield Cooper Solar, LLC | IPP | Centerfield Cooper Solar, LLC | SC | 63810 | PGR24 | 75.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 75.0 |
| 2020 | 12 | 63606 | Central 40, LLC | IPP | Central 40 | CA | 63940 | CEN40 | 40.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 40.0 |
| 2020 | 12 | 1515 | City of Bellevue - (IA) | Electric Utility | Bellevue | IA | 1126 | 1A | 1.7 | Petroleum Liquids | DFO | IC | (U) Under construction, less than or equal to 50 percent complete | 1.8 |
| 2020 | 12 | 61817 | Collard Holdings, LLC | IPP | Collard Holdings Solar | NC | 62317 | PV | 10.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2020 | 12 | 62705 | Concho Bluff LLC | IPP | Greasewood | TX | 62804 | GREA1 | 255.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 255.0 |
| 2020 | 12 | 4226 | Consolidated Edison Co-NY Inc | Electric Utility | 98th Street Battery Storage Station | NY | 62839 | ESS98 | 1.8 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 2.0 |
| 2020 | 12 | 56769 | Consolidated Edison Development Inc. | IPP | Red Lake Falls Community Hybrid | MN | 63689 | RLFS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 56769 | Consolidated Edison Development Inc. | IPP | Red Lake Falls Community Hybrid | MN | 63689 | RLFW | 4.6 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 4.6 |
| 2020 | 12 | 57365 | Consolidated Edison Solutions Inc | IPP | CES Marbletown Solar | NY | 63729 | MT1 | 3.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.0 |
| 2020 | 12 | 4254 | Consumers Energy Co | Electric Utility | Crescent Wind Park | MI | 63686 | GFWP | 150.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 150.0 |
| 2020 | 12 | 4254 | Consumers Energy Co | Electric Utility | Gratiot Farms Wind Project | MI | 63687 | CWP | 150.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 150.0 |
| 2020 | 12 | 63569 | Cornillie 2 Community Solar LLC | IPP | Cornillie 2 Community (CSG) | MN | 63899 | CORN | 1.4 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 1.4 |
| 2020 | 12 | 61060 | Cypress Creek Renewables | IPP | Jester Solar | NC | 60290 | PV1 | 4.9 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 12 | 61610 | Delaware River Solar, LLC | IPP | Route 22 Community Solar Farm | NY | 62524 | 1444 | 3.7 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.7 |
| 2020 | 12 | 61302 | Depot Solar Center, LLC | IPP | Depot Solar Center, LLC | VA | 61691 | DEPOT | 15.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 15.0 |
| 2020 | 12 | 61709 | Desert Harvest, LLC | IPP | Desert Harvest, LLC | CA | 62177 | DH001 | 150.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 150.0 |
| 2020 | 12 | 5248 | Dominion Energy Inc | Electric Utility | Greensville Solar | VA | 63745 | GVSO | 80.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 80.0 |
| 2020 | 12 | 5248 | Dominion Energy Inc | Electric Utility | Sadler Solar | VA | 62814 | SADL | 100.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 100.0 |
| 2020 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | Gaston Solar Power Plant | NC | 62669 | PV1 | 25.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 25.0 |
| 2020 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | Maiden Creek Solar Power Plant | NC | 62668 | PV1 | 69.3 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 69.3 |
| 2020 | 12 | 54802 | Dynegy -Moss Landing LLC | IPP | Dynegy Moss Landing Power Plant Hybrid | CA | 260 | BAT1 | 300.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2020 | 12 | 61785 | EDP Renewables North America LLC | IPP | Crossing Trails Wind Farm | CO | 62489 | GEN1 | 104.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 104.0 |
| 2020 | 12 | 61785 | EDP Renewables North America LLC | IPP | Headwaters Wind Farm II LLC | IN | 62592 | HWII | 200.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2020 | 12 | 61420 | ENGIE Storage Services NA LLC | Commercial | San Diego International Airport BESS | CA | 62754 | BA | 2.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 12 | 62667 | East Line Solar, LLC | IPP | East Line Solar | AZ | 62899 | EASTL | 100.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 100.0 |
| 2020 | 12 | 58970 | Ecoplexus, Inc | IPP | Boykin PV1 | NC | 59996 | BOYK1 | 17.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 17.0 |
| 2020 | 12 | 58970 | Ecoplexus, Inc | IPP | Camp San Luis Obispo | CA | 63870 | CPSLO | 1.2 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 1.2 |
| 2020 | 12 | 58970 | Ecoplexus, Inc | IPP | E Nash PV1 | NC | 60002 | NASH1 | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2020 | 12 | 58970 | Ecoplexus, Inc | IPP | Kern Valley SP | CA | 63875 | KRNVL | 3.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 3.0 |
| 2020 | 12 | 58135 | Ecos Energy LLC | IPP | Weybridge 1 Solar | VT | 61038 | WEY1 | 3.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 3.0 |
| 2020 | 12 | 5860 | Empire District Electric Co | Electric Utility | Kings Point Wind Energy Center | MO | 62475 | KPW1 | 149.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 149.4 |
| 2020 | 12 | 5860 | Empire District Electric Co | Electric Utility | Neosho Ridge Wind Energy Center | KS | 62481 | NRW1 | 301.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 301.0 |
| 2020 | 12 | 5860 | Empire District Electric Co | Electric Utility | North Fork Ridge Wind Energy Center | MO | 62478 | NFRW1 | 149.4 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 149.4 |
| 2020 | 12 | 60496 | Enerparc Inc. | IPP | Neenach Solar Center | CA | 60826 | ECA03 | 1.5 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 1.5 |
| 2020 | 12 | 60496 | Enerparc Inc. | IPP | Pawcatuck Solar Center, LLC | CT | 62318 | PAWCA | 15.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 15.0 |
| 2020 | 12 | 56201 | Engie North America | IPP | Dakota Range III Wind Project | SD | 63102 | WTG | 151.2 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 151.2 |
| 2020 | 12 | 56201 | Engie North America | IPP | ENGIE Long Draw Solar LLC | TX | 62845 | SP1 | 225.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 225.0 |
| 2020 | 12 | 56201 | Engie North America | IPP | Las Lomas Wind Project | TX | 63101 | WTG | 201.6 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 201.6 |
| 2020 | 12 | 56615 | First Solar Project Development | IPP | American Kings Solar, LLC | CA | 60777 | GEN01 | 128.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 128.0 |
| 2020 | 12 | 63345 | Flodquist Community Solar LLC | IPP | Flodquist Community Solar LLC | MN | 63650 | TC3 | 1.0 | Solar Photovoltaic | SUN | PV | (OT) Other | 1.0 |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Egret Solar Center | FL | 62925 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Lakeside Solar Center | FL | 62922 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 74.5 |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Magnolia Springs Solar Center | FL | 62915 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Nassau Solar Center | FL | 62914 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Trailside Solar Center | FL | 62916 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Union Springs Solar Center | FL | 62923 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2020 | 12 | 62856 | Forefront Power, LLC | IPP | DGS Central California Womens Facility | CA | 63419 | 1122 | 2.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.0 |
| 2020 | 12 | 62720 | Frontier Windpower II, LLC | IPP | Frontier Windpower II | OK | 62837 | FW2 | 351.8 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 351.8 |
| 2020 | 12 | 7140 | Georgia Power Co | Electric Utility | Robins Air Force Base Solar | GA | 61648 | 1 | 139.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 139.0 |
| 2020 | 12 | 62759 | Geronimo Energy | IPP | Bingham Solar, LLC | MI | 63321 | BINGH | 20.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 20.0 |
| 2020 | 12 | 62759 | Geronimo Energy | IPP | Temperance Solar, LLC | MI | 63322 | TEMPR | 20.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 20.0 |
| 2020 | 12 | 63545 | Golden Field Solar III, LLC | IPP | Golden Field Solar III, LLC | CA | 63859 | RCTR | 192.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 192.0 |
| 2020 | 12 | 63108 | Granby Solar, LLC | IPP | Granby Solar, LLC | MA | 63338 | 4787 | 3.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.0 |
| 2020 | 12 | 60025 | Greenbacker Renewable Energy Corporation | IPP | Turquoise Nevada, LLC | NV | 63906 | 142 | 60.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 60.0 |
| 2020 | 12 | 60195 | Groton Station Fuel Cell, LLC | IPP | Naval Sub Base New London Fuel Cell | CT | 61743 | MMH2 | 3.7 | Other Natural Gas | NG | FC | (V) Under construction, more than 50 percent complete | 3.7 |
| 2020 | 12 | 61594 | Highlander Solar Station 1 LLC | IPP | Highlander Solar Station 1 | VA | 62014 | HLND1 | 165.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 165.0 |
| 2020 | 12 | 61697 | Hillcrest Solar I, LLC | IPP | Hillcrest Solar | OH | 62200 | HILLC | 200.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2020 | 12 | 61001 | Hu Honua Bioenergy, LLC | IPP | Hu Honua Bioenergy Facility | HI | 61364 | HHB | 32.0 | Other Waste Biomass | OBS | ST | (V) Under construction, more than 50 percent complete | 36.0 |
| 2020 | 12 | 63137 | Idemitsu Renewables | IPP | Mustang Two | CA | 62015 | M2BAR | 50.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 50.0 |
| 2020 | 12 | 63137 | Idemitsu Renewables | IPP | Mustang Two | CA | 62015 | M2WHI | 100.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 100.0 |
| 2020 | 12 | 63137 | Idemitsu Renewables | IPP | Pioneer Solar (CO), LLC | CO | 61991 | PI-QF | 80.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 80.0 |
| 2020 | 12 | 61853 | Innogy Renewables US LLC | IPP | Cassadaga Wind Farm | NY | 58777 | 1 | 126.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 126.0 |
| 2020 | 12 | 49893 | Invenergy Services LLC | IPP | Deuel Harvest Wind Energy LLC | SD | 62943 | GEN1 | 300.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2020 | 12 | 49893 | Invenergy Services LLC | IPP | Hardin Solar Energy LLC | OH | 63029 | GEN1 | 150.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2020 | 12 | 49893 | Invenergy Services LLC | IPP | Prineville Solar Energy LLC | OR | 63049 | GEN1 | 46.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 46.2 |
| 2020 | 12 | 49893 | Invenergy Services LLC | IPP | Sundance Wind Project, LLC | OK | 63489 | GEN1 | 199.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 199.0 |
| 2020 | 12 | 49893 | Invenergy Services LLC | IPP | Thunderhead Wind Energy LLC | NE | 62956 | GEN1 | 300.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2020 | 12 | 49893 | Invenergy Services LLC | IPP | Traverse Wind Project, LLC | OK | 63479 | GEN1 | 999.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 999.0 |
| 2020 | 12 | 63289 | Key Capture Energy | IPP | NY3 Battery | NY | 63585 | NY3 | 3.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 3.0 |
| 2020 | 12 | 62883 | Kruger Energy Hertford, LLC | IPP | Kruger Energy Hertford, LLC | NC | 63024 | KEH | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2020 | 12 | 50123 | Leeward Asset Management, LLC | IPP | Lone Tree Wind, LLC | IL | 63251 | LTW | 79.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 79.0 |
| 2020 | 12 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Impact Solar 1 | TX | 63222 | TXIM1 | 198.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 198.5 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 12 | 62661 | Lock 12 Hydro Partners, LLC | IPP | Ravenna Hydroelectric Project | KY | 62747 | 1 | 0.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 0.5 |
| 2020 | 12 | 62661 | Lock 12 Hydro Partners, LLC | IPP | Ravenna Hydroelectric Project | KY | 62747 | 2 | 0.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 0.5 |
| 2020 | 12 | 62661 | Lock 12 Hydro Partners, LLC | IPP | Ravenna Hydroelectric Project | KY | 62747 | 3 | 0.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 0.5 |
| 2020 | 12 | 62661 | Lock 12 Hydro Partners, LLC | IPP | Ravenna Hydroelectric Project | KY | 62747 | 4 | 0.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 0.5 |
| 2020 | 12 | 62661 | Lock 12 Hydro Partners, LLC | IPP | Ravenna Hydroelectric Project | KY | 62747 | 5 | 0.5 | Conventional Hydroelectric | WAT | HY | (V) Under construction, more than 50 percent complete | 0.5 |
| 2020 | 12 | 61219 | Longroad Energy Services LLC | IPP | Little Bear 3 | CA | 62463 | GEN01 | 20.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 20.0 |
| 2020 | 12 | 61219 | Longroad Energy Services LLC | IPP | Little Bear 4 | CA | 62464 | GEN01 | 50.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 50.0 |
| 2020 | 12 | 61219 | Longroad Energy Services LLC | IPP | Little Bear 5 | CA | 62465 | GEN01 | 50.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 50.0 |
| 2020 | 12 | 61219 | Longroad Energy Services LLC | IPP | Little Bear Solar 1, LLC | CA | 59870 | GEN01 | 40.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 40.0 |
| 2020 | 12 | 63300 | Lowry CSG2 LLC | IPP | Lowry CSG2, LLC | MN | 63595 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 63572 | Marbury Point Solar LLC | IPP | DC Water Solar | DC | 63917 | 8030A | 4.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.5 |
| 2020 | 12 | 61710 | Maverick Solar, LLC | IPP | Maverick Solar, LLC | CA | 62178 | MAV01 | 225.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 225.0 |
| 2020 | 12 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 11 | 0.4 | Petroleum Liquids | DFO | IC | (U) Under construction, less than or equal to 50 percent complete | 0.4 |
| 2020 | 12 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 12 | 0.4 | Petroleum Liquids | DFO | IC | (U) Under construction, less than or equal to 50 percent complete | 0.4 |
| 2020 | 12 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 13 | 0.4 | Petroleum Liquids | DFO | IC | (U) Under construction, less than or equal to 50 percent complete | 0.4 |
| 2020 | 12 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 14 | 0.4 | Petroleum Liquids | DFO | IC | (U) Under construction, less than or equal to 50 percent complete | 0.4 |
| 2020 | 12 | 12341 | MidAmerican Energy Co | Electric Utility | Contrail Wind Farm | IA | 63639 | COWF | 112.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 112.4 |
| 2020 | 12 | 12341 | MidAmerican Energy Co | Electric Utility | Diamond Trail Wind Farm | IA | 63641 | DTWF | 252.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 252.5 |
| 2020 | 12 | 12341 | MidAmerican Energy Co | Electric Utility | Palo Alto Wind Farm | IA | 63053 | PAWF2 | 90.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 90.0 |
| 2020 | 12 | 12341 | MidAmerican Energy Co | Electric Utility | Southern Hills Wind Farm | IA | 63640 | SHWF | 254.1 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 254.1 |
| 2020 | 12 | 62916 | Mohave County Wind Farm | IPP | Mohave County Wind Farm | AZ | 63114 | MCWF | 350.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 350.0 |
| 2020 | 12 | 60018 | NET Power, LLC | IPP | NET Power La Porte Station | TX | 60910 | NPLPS | 25.5 | Natural Gas Fired Combustion Turbine | NG | GT | (TS) Construction complete, but not yet in commercial operation | 25.5 |
| 2020 | 12 | 13484 | New York Methodist Hospital | IPP | New York Methodist Hospital | NY | 52091 | CCHEG | 1.5 | Petroleum Liquids | DFO | IC | (TS) Construction complete, but not yet in commercial operation | 1.5 |
| 2020 | 12 | 63605 | Nicollet Garden LLC | IPP | Nicollet Garden | MN | 63938 | CGS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Blazing Star 2 Wind Farm | MN | 61650 | BLZS2 | 200.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2020 | 12 | 62867 | Novel Winegar Partnership Solar CSG | IPP | Novel Winegar Partnership Solar CSG | MN | 63008 | WINE | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 63294 | Nutmeg Solar LLC | IPP | Nutmeg Solar | CT | 63592 | NUTMG | 19.6 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 19.6 |
| 2020 | 12 | 63477 | Oasis Alta, LLC | IPP | Oasis Alta | CA | 63941 | OA1 | 14.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 14.4 |
| 2020 | 12 | 63473 | Odom Solar, LLC | IPP | SR Odom | GA | 63814 | ODOM | 20.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 20.0 |
| 2020 | 12 | 14232 | Otter Tail Power Co | Electric Utility | Astoria Station | SD | 61144 | 1 | 245.5 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 349.0 |
| 2020 | 12 | 63279 | Outlaw Wind Project LLC | IPP | Outlaw Wind Project LLC | MO | 63574 | GEN1 | 298.6 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 298.6 |
| 2020 | 12 | 63301 | Paynesville CSG1 LLC | IPP | Paynesville CSG1, LLC | MN | 63596 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 63302 | Plato CSG1 LLC | IPP | Plato CSG1, LLC | MN | 63597 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 62873 | Plott Hound Solar, LLC | IPP | Plott Hound Solar | NC | 63015 | 1088 | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 12 | 15248 | Portland General Electric Co | Electric Utility | Faraday | OR | 3045 | 7 | 9.0 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 9.0 |
| 2020 | 12 | 15248 | Portland General Electric Co | Electric Utility | Faraday | OR | 3045 | 8 | 9.0 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 9.0 |
| 2020 | 12 | 60982 | RE Maplewood LLC | IPP | RE Maplewood | TX | 61346 | PV1 | 250.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 250.0 |
| 2020 | 12 | 62780 | RE Slate LLC | IPP | Slate Hybrid | CA | 63727 | SLATE | 300.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 300.0 |
| 2020 | 12 | 62780 | RE Slate LLC | IPP | Slate Hybrid | CA | 63727 | SLBES | 300.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 315.0 |
| 2020 | 12 | 56215 | RWE Renewables Americas LLC | IPP | Boiling Springs Wind Farm | OK | 62871 | BGSPS | 148.4 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 148.4 |
| 2020 | 12 | 56215 | RWE Renewables Americas LLC | IPP | Raymond Wind Farm, LLC | TX | 62909 | ERAYM | 200.2 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 200.2 |
| 2020 | 12 | 62871 | Ray Wilson Solar, LLC | IPP | Ray Wilson Solar | NC | 63017 | 1090 | 5.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2020 | 12 | 61590 | Richmond Spider Solar LLC | IPP | Richmond Spider Solar | VA | 62011 | RMDSS | 20.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 20.0 |
| 2020 | 12 | 62761 | Rosewater Wind Farm LLC | IPP | Rosewater Wind Farm | IN | 62891 | ROSEW | 102.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 102.0 |
| 2020 | 12 | 61624 | SR Snipesville | IPP | Snipesville | GA | 62165 | SNIPE | 61.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 61.0 |
| 2020 | 12 | 63303 | Sacred Heart CSG1 LLC | IPP | Sacred Heart CSG1, LLC | MN | 63598 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 63119 | Scotch Bonnet Solar, LLC | IPP | Scotch Bonnet Solar, LLC | NC | 63345 | PGR07 | 4.5 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 4.5 |
| 2020 | 12 | 59770 | Shorthorn Holdings, LLC | IPP | Shorthorn Holdings | SC | 60028 | PV1 | 15.4 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 15.4 |
| 2020 | 12 | 62023 | Skeleton Creek Energy Center | IPP | Skeleton Creek Energy Center Hybrid | OK | 62494 | SKC | 250.0 | Onshore Wind Turbine | WND | WT | (OT) Other | 250.0 |
| 2020 | 12 | 17609 | Southern California Edison Co | Electric Utility | Cadillac Battery Energy Storage Facility | CA | 63326 | CAD1 | 3.5 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 3.5 |
| 2020 | 12 | 17609 | Southern California Edison Co | Electric Utility | DESI-1 Battery Energy Storage Facility | CA | 60699 | DESI1 | 2.4 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 2.4 |
| 2020 | 12 | 17609 | Southern California Edison Co | Electric Utility | DESI-2 Battery Storage Facility | CA | 62460 | DESI2 | 1.4 | Batteries | MWH | BA | (TS) Construction complete, but not yet in commercial operation | 1.4 |
| 2020 | 12 | 17609 | Southern California Edison Co | Electric Utility | Yorktown Battery Energy Storage Facility | CA | 63325 | YORK1 | 3.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 3.0 |
| 2020 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Sagamore Wind | NM | 63578 | SWF01 | 522.0 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 522.0 |
| 2020 | 12 | 62717 | Speedway Solar NC, LLC | IPP | Speedway Solar NC, LLC | NC | 62821 | GEN1 | 22.6 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 22.6 |
| 2020 | 12 | 63395 | Spencer Solar Farm, LLC | IPP | Spencer Solar | MA | 63676 | SPENC | 2.3 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 2.3 |
| 2020 | 12 | 60531 | Standard Solar | IPP | USS Buckaroo Solar LLC CSG | MN | 63153 | BUCKR | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 63304 | Stewart CSG1 LLC | IPP | Stewart CSG1, LLC | MN | 63599 | SC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2020 | 12 | 62716 | Stony Knoll Solar, LLC | IPP | Stony Knoll Solar, LLC | NC | 62820 | GEN1 | 22.6 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 22.6 |
| 2020 | 12 | 63106 | Sutton Solar 2, LLC | IPP | Sutton Solar 2, LLC | MA | 63336 | 6004 | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2020 | 12 | 62814 | Syncarpha Leicester, LLC | IPP | Syncarpha Leicester Hybrid | MA | 62972 | SYLEB | 1.9 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 1.9 |
| 2020 | 12 | 62826 | Syncarpha Puddon I, LLC | IPP | Syncarpha Puddon I Hybrid | MA | 62969 | SYP1S | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 12 | 62827 | Syncarpha Puddon II, LLC | IPP | Syncarpha Puddon II Hybrid | MA | 62970 | SYP2B | 4.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 4.0 |
| 2020 | 12 | 62827 | Syncarpha Puddon II, LLC | IPP | Syncarpha Puddon II Hybrid | MA | 62970 | SYP2S | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2020 | 12 | 61954 | Techren Solar V LLC | IPP | Techren Solar V | NV | 62440 | TECH5 | 50.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 50.0 |
| 2020 | 12 | 63224 | Tehachapi Plains Wind, LLC | IPP | Point Wind | CA | 63482 | PW1 | 64.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 64.5 |
| 2020 | 12 | 19876 | Virginia Electric & Power Co | Electric Utility | Desper Solar | VA | 62730 | 1 | 88.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 88.2 |
| 2020 | 12 | 61522 | Viridity Energy Solutions, Inc. | IPP | Vallecito | CA | 62801 | ORN34 | 10.0 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 10.0 |
| 2020 | 12 | 63129 | Wapello Solar LLC | IPP | Wapello Solar LLC | IA | 63378 | WAPLO | 100.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 100.0 |
| 2020 | 12 | 62079 | White Cloud Wind Project, LLC | IPP | White Cloud Wind Project, LLC | MO | 62624 | WTCWF | 236.5 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 236.5 |
| 2020 | 12 | 59316 | Whitetail Solar LLC | IPP | Whitetail Solar | SC | 59569 | PV1 | 10.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2020 | 12 | 62635 | Wildcat Creek Wind Farm LLC | IPP | Wildcat Creek Wind Farm LLC | TX | 62715 | WCCWF | 180.1 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 180.1 |
| 2020 | 12 | 20860 | Wisconsin Public Service Corp | Electric Utility | Two Creeks Solar | WI | 63105 | 1 | 150.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 150.0 |
| 2021 | 1 | 61012 | AES Distributed Energy | IPP | Wilbur Woods Solar LLC | MA | 63048 | DESMO | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2021 | 1 | 62160 | AES ES Alamitos, LLC | IPP | AES ES ALAMITOS, LLC | CA | 61204 | ALMTS | 100.0 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 100.0 |
| 2021 | 1 | 62805 | Bluestone Farm Solar, LLC | IPP | Bluestone Solar | VA | 62950 | BLUE1 | 49.9 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 49.9 |
| 2021 | 1 | 59315 | Bradley Farm LLC | IPP | Bradley Farm (Dudley) | NC | 62593 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2021 | 1 | 61978 | Convergent Energy and Power LP | IPP | Henrietta D Energy Storage LLC | CA | 60641 | HDES1 | 10.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 1 | 61978 | Convergent Energy and Power LP | IPP | Orange County Energy Storage 2 | CA | 62497 | OCES2 | 9.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 9.0 |
| 2021 | 1 | 61978 | Convergent Energy and Power LP | IPP | Orange County Energy Storage 3 | CA | 62499 | OCES3 | 6.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 6.0 |
| 2021 | 1 | 6455 | Duke Energy Florida, LLC | Electric Utility | Santa Fe Solar Power Plant | FL | 63517 | PV1 | 42.7 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 74.9 |
| 2021 | 1 | 6455 | Duke Energy Florida, LLC | Electric Utility | Twin Rivers Solar Power Plant | FL | 63518 | PV1 | 42.7 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.9 |
| 2021 | 1 | 58970 | Ecoplexus, Inc | IPP | Mule Creek State Prison | CA | 63876 | MLCRK | 2.1 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.1 |
| 2021 | 1 | 60195 | Groton Station Fuel Cell, LLC | IPP | Naval Sub Base New London Fuel Cell | CT | 61743 | MMH3 | 3.7 | Other Natural Gas | NG | FC | (V) Under construction, more than 50 percent complete | 3.7 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 1 | 62763 | Hecate Grid, LLC | IPP | Hecate Energy Johanna Facility | CA | 62889 | HEGJF | 20.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 1 | 9234 | Indiana Municipal Power Agency | Electric Utility | Columbia City Solar Park | IN | 62769 | SCOLU | 4.3 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.3 |
| 2021 | 1 | 12320 | Merck & Co Inc | Industrial | Elkton | VA | 52148 | GEN6 | 1.2 | Natural Gas Steam Turbine | NG | ST | (U) Under construction, less than or equal to 50 percent complete | 1.2 |
| 2021 | 1 | 12320 | Merck & Co Inc | Industrial | Elkton | VA | 52148 | GEN7 | 1.2 | Natural Gas Steam Turbine | NG | ST | (U) Under construction, less than or equal to 50 percent complete | 1.2 |
| 2021 | 1 | 12436 | Michigan State University | Commercial | T B Simon Power Plant | MI | 10328 | GEN7 | 9.0 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 9.0 |
| 2021 | 1 | 12436 | Michigan State University | Commercial | T B Simon Power Plant | MI | 10328 | GEN8 | 9.0 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 9.0 |
| 2021 | 1 | 12436 | Michigan State University | Commercial | T B Simon Power Plant | MI | 10328 | GEN9 | 9.0 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 9.0 |
| 2021 | 1 | 60685 | Novel Energy Solutions | IPP | Hayfield Solar I LLC | MN | 63724 | HAYF1 | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 1 | 62868 | Novel Peter Solar LLC CSG | IPP | Novel Peter Solar CSG | MN | 63009 | PETR | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 1 | 63082 | ProEnergy Services | IPP | HO Clarke Generating | TX | 63335 | CTG-1 | 45.5 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 60.5 |
| 2021 | 1 | 63082 | ProEnergy Services | IPP | HO Clarke Generating | TX | 63335 | CTG-2 | 45.5 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 60.5 |
| 2021 | 1 | 63082 | ProEnergy Services | IPP | HO Clarke Generating | TX | 63335 | CTG-3 | 45.5 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 60.5 |
| 2021 | 1 | 63082 | ProEnergy Services | IPP | HO Clarke Generating | TX | 63335 | CTG-4 | 45.5 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 60.5 |
| 2021 | 1 | 63082 | ProEnergy Services | IPP | HO Clarke Generating | TX | 63335 | CTG-5 | 45.5 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 60.5 |
| 2021 | 1 | 63082 | ProEnergy Services | IPP | HO Clarke Generating | TX | 63335 | CTG-6 | 45.5 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 60.5 |
| 2021 | 1 | 56215 | RWE Renewables Americas LLC | IPP | West Raymond Wind Farm LLC | TX | 62855 | WRAYM | 239.8 | Onshore Wind Turbine | WND | WT | (V) Under construction, more than 50 percent complete | 239.8 |
| 2021 | 1 | 63210 | Saint Solar LLC | IPP | Saint Solar | AZ | 63476 | SAINT | 100.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2021 | 1 | 60897 | Salinas Valley Solid Waste Authority | IPP | Crazy Horse Solar Project | CA | 61285 | PV1 | 2.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2021 | 1 | 16609 | San Diego Gas & Electric Co | Electric Utility | Top Gun Energy Storage | CA | 61366 | TGES | 30.0 | Batteries | MWH | BA | (V) Under construction, more than 50 percent complete | 30.0 |
| 2021 | 1 | 58798 | Shell Chemical Appalachia LLC | Industrial | Shell Chemical Appalachia LLC | PA | 58933 | GTG1 | 37.1 | Natural Gas Fired Combined Cycle | NG | CT | (V) Under construction, more than 50 percent complete | 41.5 |
| 2021 | 1 | 58798 | Shell Chemical Appalachia LLC | Industrial | Shell Chemical Appalachia LLC | PA | 58933 | GTG2 | 37.1 | Natural Gas Fired Combined Cycle | NG | CT | (V) Under construction, more than 50 percent complete | 41.5 |
| 2021 | 1 | 58798 | Shell Chemical Appalachia LLC | Industrial | Shell Chemical Appalachia LLC | PA | 58933 | GTG3 | 37.1 | Natural Gas Fired Combined Cycle | NG | CT | (V) Under construction, more than 50 percent complete | 41.5 |
| 2021 | 1 | 63257 | Solar Carver 1, LLC | IPP | Solar Carver 1 Hybrid | MA | 63541 | BCRV1 | 2.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 1 | 63257 | Solar Carver 1, LLC | IPP | Solar Carver 1 Hybrid | MA | 63541 | SCRV1 | 2.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.0 |
| 2021 | 1 | 63243 | Solar Carver 3, LLC | IPP | Solar Carver 3 Hybrid | MA | 63506 | BCRV3 | 1.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 1 | 63243 | Solar Carver 3, LLC | IPP | Solar Carver 3 Hybrid | MA | 63506 | SCRV3 | 1.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 1.0 |
| 2021 | 1 | 60131 | South Field Energy, LLC | IPP | South Field Energy | OH | 60356 | SFECC | 1,060.0 | Natural Gas Fired Combined Cycle | NG | CC | (V) Under construction, more than 50 percent complete | 1,105.0 |
| 2021 | 1 | 62824 | Syncarpha Northbridge I, LLC | IPP | Syncarpha Northbridge I Hybrid | MA | 62977 | SYN1S | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2021 | 1 | 62826 | Syncarpha Puddon I, LLC | IPP | Syncarpha Puddon I Hybrid | MA | 62969 | SYP1B | 4.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 4.0 |
| 2021 | 1 | 18454 | Tampa Electric Co | Electric Utility | Durrance | FL | 63495 | 1 | 60.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 60.0 |
| 2021 | 1 | 63433 | USS Bluff Country Solar | IPP | USS Bluff Country Solar | MN | 63741 | USBCS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2021 | 1 | 62973 | USS Dot Com Solar LLC | IPP | USS Dot Com Solar LLC CSG | MN | 63215 | DOTCM | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 1 | 63436 | USS Hubers Solar LLC | IPP | USS Hubers Solar LLC | MN | 63744 | HUBER | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2021 | 1 | 62958 | USS Kass Solar LLC | IPP | USS Kass Solar LLC | MN | 63170 | KASS | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2021 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Coastal Virginia Offshore Wind (CVOW) | VA | 59693 | OSW1 | 12.0 | Offshore Wind Turbine | WND | WS | (TS) Construction complete, but not yet in commercial operation | 12.0 |
| 2021 | 2 | 59050 | Algonquin Power Co | IPP | Maverick Creek Wind | TX | 62853 | MVRCK | 524.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 524.4 |
| 2021 | 2 | 59843 | Blythe Solar II, LLC | IPP | Blythe Solar II, LLC | CA | 60092 | BLST2 | 115.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 115.0 |
| 2021 | 2 | 3258 | Central Iowa Power Cooperative | Electric Utility | Summit Lake | IA | 1206 | R1 | 18.4 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 18.8 |
| 2021 | 2 | 3258 | Central Iowa Power Cooperative | Electric Utility | Summit Lake | IA | 1206 | R2 | 18.4 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 18.8 |
| 2021 | 2 | 3258 | Central Iowa Power Cooperative | Electric Utility | Summit Lake | IA | 1206 | R3 | 18.4 | Natural Gas Internal Combustion Engine | NG | IC | (V) Under construction, more than 50 percent complete | 18.8 |
| 2021 | 2 | 55937 | Entergy Texas Inc. | Electric Utility | Montgomery County | TX | 60925 | 1A | 250.0 | Natural Gas Fired Combined Cycle | NG | CT | (V) Under construction, more than 50 percent complete | 250.0 |
| 2021 | 2 | 55937 | Entergy Texas Inc. | Electric Utility | Montgomery County | TX | 60925 | 1B | 250.0 | Natural Gas Fired Combined Cycle | NG | CT | (V) Under construction, more than 50 percent complete | 250.0 |
| 2021 | 2 | 55937 | Entergy Texas Inc. | Electric Utility | Montgomery County | TX | 60925 | 1C | 500.0 | Natural Gas Fired Combined Cycle | NG | CA | (V) Under construction, more than 50 percent complete | 500.0 |
| 2021 | 2 | 11820 | Massachusetts Inst of Tech | Commercial | Mass Inst Tech Cntrl Utilities/Cogen Plt | MA | 54907 | GT200 | 17.7 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 21.7 |
| 2021 | 2 | 11820 | Massachusetts Inst of Tech | Commercial | Mass Inst Tech Cntrl Utilities/Cogen Plt | MA | 54907 | GT300 | 17.7 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 21.7 |
| 2021 | 2 | 60685 | Novel Energy Solutions | IPP | Hayfield Solar III LLC | MN | 63725 | HAYF3 | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 2 | 60685 | Novel Energy Solutions | IPP | Pipestone City Solar LLC | MN | 63726 | PSCTY | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-1 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-2 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-3 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-4 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-5 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-6 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-7 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-8 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG-9 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 63082 | ProEnergy Services | IPP | Topaz Generating | TX | 63688 | CTG10 | 48.0 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2021 | 2 | 61727 | Reloj del Sol Wind Farm LLC | IPP | Reloj del Sol Wind Farm | TX | 62207 | RELOJ | 209.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 209.4 |
| 2021 | 2 | 60217 | San Bernardino Valley Mun. Water Dist. | Electric Utility | Waterman Turnout Hydroelectric | CA | 60466 | WTHF | 1.0 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 1.0 |
| 2021 | 2 | 61668 | Strauss Wind LLC | IPP | Strauss Wind Farm | CA | 62113 | ST-CA | 98.8 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 98.8 |
| 2021 | 2 | 62824 | Syncarpha Northbridge I, LLC | IPP | Syncarpha Northbridge I Hybrid | MA | 62977 | SYN1B | 4.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 4.0 |
| 2021 | 2 | 63434 | USS Viceroy Solar LLC | IPP | USS Viceroy Solar LLC | MN | 63742 | USVIC | 1.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 1.0 |
| 2021 | 2 | 63604 | Union Garden LLC | IPP | Union Garden | MN | 63939 | CGS | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2021 | 3 | 62627 | Alchemy Renewable Energy | IPP | Logansport Solar | IN | 63861 | INLP | 16.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 16.0 |
| 2021 | 3 | 63568 | BD Solar 1 LLC | IPP | Milo PV - BD Solar 1 LLC | ME | 63894 | MILPV | 20.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 20.0 |
| 2021 | 3 | 63567 | BD Solar Augusta LLC | IPP | Augusta PV - BD Solar Augusta LLC | ME | 63895 | AUGPV | 7.2 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 7.2 |
| 2021 | 3 | 63566 | BD Solar Fairfield LLC | IPP | Fairfield PV - BD Solar Fairfield LLC | ME | 63896 | FAIPV | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 3 | 63565 | BD Solar Oxford LLC | IPP | Oxford PV - BD Solar Oxford LLC | ME | 63897 | OXFPV | 9.2 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 9.2 |
| 2021 | 3 | 57365 | Consolidated Edison Solutions Inc | IPP | CES Agawam Tuckahoe Solar Hybrid | MA | 63763 | ATES | 2.3 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 2.3 |
| 2021 | 3 | 57365 | Consolidated Edison Solutions Inc | IPP | CES Agawam Tuckahoe Solar Hybrid | MA | 63763 | ATPV | 3.6 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.6 |
| 2021 | 3 | 63523 | DePue Holdings, LLC | IPP | DePue Holdings, LLC | IL | 63845 | DEPUE | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 3 | 61610 | Delaware River Solar, LLC | IPP | Route 19 #1 Community Solar Farm | NY | 62500 | 1258 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 3 | 61610 | Delaware River Solar, LLC | IPP | Route 19 #2 Community Solar Farm | NY | 62502 | 1415 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 3 | 61610 | Delaware River Solar, LLC | IPP | State Route 64N Community Solar Farm | NY | 62520 | 1089 | 1.2 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.2 |
| 2021 | 3 | 61610 | Delaware River Solar, LLC | IPP | Telegraph Rd #1 Community Solar Farm | NY | 62496 | 1268 | 3.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.8 |
| 2021 | 3 | 61610 | Delaware River Solar, LLC | IPP | Telegraph Rd #2 Community Solar Farm | NY | 62498 | 1413 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 3 | 62742 | ENEL BELLA ENERGY STORAGE, LLC | IPP | Goleta Grid Resiliency | CA | 63736 | BESS1 | 10.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 3 | 59497 | Eversource | IPP | Outer Cape Community Battery | MA | 62604 | OCESS | 25.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 25.0 |
| 2021 | 3 | 61888 | Gloversville Community Solar LLC | IPP | Gloversville Landfill Solar | NY | 62357 | 08158 | 5.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2021 | 3 | 9324 | Indiana Michigan Power Co | Electric Utility | South Bend Solar | IN | 63801 | 1 | 20.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 20.0 |
| 2021 | 3 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Elkhorn Battery Energy Storage System | CA | 62564 | ELKHO | 182.5 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 182.5 |
| 2021 | 3 | 62646 | Painter Energy Storage, LLC | IPP | Painter Energy Storage | CA | 62729 | PAIN1 | 10.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 3 | 60229 | Quail Holdings, LLC | IPP | Quail Holdings | NC | 60434 | PV1 | 25.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 25.0 |
| 2021 | 3 | 58798 | Shell Chemical Appalachia LLC | Industrial | Shell Chemical Appalachia LLC | PA | 58933 | STG1 | 72.7 | Natural Gas Fired Combined Cycle | NG | CA | (V) Under construction, more than 50 percent complete | 75.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 3 | 58798 | Shell Chemical Appalachia LLC | Industrial | Shell Chemical Appalachia LLC | PA | 58933 | STG2 | 72.7 | Natural Gas Fired Combined Cycle | NG | CA | (V) Under construction, more than 50 percent complete | 75.0 |
| 2021 | 3 | 63424 | Silverstrand Grid, LLC | IPP | Silverstrand Grid Energy Storage System | CA | 63735 | SLV01 | 11.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 11.0 |
| 2021 | 3 | 19539 | University of Iowa | Commercial | University of Iowa Main Power Plant | IA | 54775 | GEN12 | 5.8 | Natural Gas Steam Turbine | NG | ST | (U) Under construction, less than or equal to 50 percent complete | 5.8 |
| 2021 | 3 | 19539 | University of Iowa | Commercial | University of Iowa Main Power Plant | IA | 54775 | GEN13 | 10.0 | Natural Gas Steam Turbine | NG | ST | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 3 | 20159 | Washington Parish Engy Ctr 1 LLC | IPP | Washington Parish Energy Center | LA | 55486 | CTG01 | 182.2 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 199.8 |
| 2021 | 3 | 20159 | Washington Parish Engy Ctr 1 LLC | IPP | Washington Parish Energy Center | LA | 55486 | CTG02 | 182.2 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 199.8 |
| 2021 | 3 | 62048 | Westlands Almond LLC | IPP | Almond | CA | 62546 | ALMND | 19.9 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 19.9 |
| 2021 | 3 | 63276 | Woodfields Solar, LLC | IPP | Woodfields Solar | SC | 63552 | PGR21 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 4 | 63004 | Abundant Solar Power Inc. | IPP | Deiter-STEU | NY | 63226 | 2078 | 2.2 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.2 |
| 2021 | 4 | 63004 | Abundant Solar Power Inc. | IPP | Gibson-STEU | NY | 63227 | 8675 | 11.5 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 11.5 |
| 2021 | 4 | 63004 | Abundant Solar Power Inc. | IPP | Wheaton-STEU | NY | 63228 | 11410 | 5.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2021 | 4 | 60367 | BRE NC Solar 3, LLC | IPP | BRE NC Solar 3 | NC | 60627 | BEAM3 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 4 | 1752 | Biola University | Commercial | Biola University Hybrid | CA | 54296 | EG-1H | 1.5 | Natural Gas Internal Combustion Engine | NG | IC | (L) Regulatory approvals pending. Not under construction | 1.5 |
| 2021 | 4 | 1752 | Biola University | Commercial | Biola University Hybrid | CA | 54296 | EG-2H | 1.5 | Natural Gas Internal Combustion Engine | NG | IC | (L) Regulatory approvals pending. Not under construction | 1.5 |
| 2021 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Discovery Solar Center | FL | 63109 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2021 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Orange Blossom Solar Center | FL | 62919 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2021 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Palm Bay Solar | FL | 62921 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2021 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Pelican Solar Center | FL | 62924 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2021 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Rodeo Solar Center | FL | 62917 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2021 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Sabal Palm Solar Center | FL | 63110 | 1 | 74.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 74.5 |
| 2021 | 4 | 49893 | Invenergy Services LLC | IPP | Badger Hollow Solar Farm LLC | WI | 62955 | GEN1 | 300.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2021 | 4 | 62721 | Maryneal Windpower, LLC | IPP | Maryneal Windpower | TX | 62836 | MNW | 182.4 | Onshore Wind Turbine | WND | WT | (T) Regulatory approvals received. Not under construction | 182.4 |
| 2021 | 4 | 11806 | Massachusetts Mun Wholes Electric Co | Electric Utility | MMWEC Simple Cycle Gas Turbine | MA | 63559 | GT1 | 57.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 65.0 |
| 2021 | 4 | 60952 | Mt. Jackson Solar LLC | IPP | Mt. Jackson Solar | VA | 61318 | SOLAR | 15.7 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 15.7 |
| 2021 | 4 | 61946 | Prairie State Solar, LLC | IPP | Prairie State Solar Project | IL | 62420 | PSS01 | 99.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 99.0 |
| 2021 | 4 | 63275 | Samoset Solar, LLC | IPP | Samoset Solar | ME | 63551 | PGR21 | 2.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.0 |
| 2021 | 4 | 17633 | Southern Indiana Gas & Elec Co | Electric Utility | Troy Solar | IN | 63929 | TROY1 | 50.4 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 50.4 |
| 2021 | 4 | 62919 | TPE King Solar Holdings1 LLC | IPP | King CSG | RI | 63135 | KING1 | 7.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 7.0 |
| 2021 | 4 | 62919 | TPE King Solar Holdings1 LLC | IPP | King CSG | RI | 63135 | KING2 | 7.8 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 7.8 |
| 2021 | 4 | 63326 | USS Solar Brick | IPP | USS Solar Brick | IL | 63618 | USBRK | 2.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2021 | 4 | 63550 | Ventura Energy Storage, LLC | IPP | Saticoy | CA | 63891 | SATCY | 100.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 100.0 |
| 2021 | 5 | 63012 | 2W Permian Solar, LLC | IPP | 2W Permian Solar Project Hybrid | TX | 63255 | 2WPBA | 40.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 40.0 |
| 2021 | 5 | 63012 | 2W Permian Solar, LLC | IPP | 2W Permian Solar Project Hybrid | TX | 63255 | 2WPSO | 420.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 420.0 |
| 2021 | 5 | 59844 | Blythe Solar III, LLC | IPP | Blythe Solar III, LLC Hybrid | CA | 60094 | BLST3 | 115.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 115.0 |
| 2021 | 5 | 62091 | Derby Fuel Cell LLC | IPP | Derby Fuel Cell | CT | 62588 | MM45 | 2.8 | Other Natural Gas | NG | FC | (P) Planned for installation, but regulatory approvals not initiated | 2.8 |
| 2021 | 5 | 62091 | Derby Fuel Cell LLC | IPP | Derby Fuel Cell | CT | 62588 | MM46 | 2.8 | Other Natural Gas | NG | FC | (P) Planned for installation, but regulatory approvals not initiated | 2.8 |
| 2021 | 5 | 62091 | Derby Fuel Cell LLC | IPP | Derby Fuel Cell | CT | 62588 | MM47 | 2.8 | Other Natural Gas | NG | FC | (P) Planned for installation, but regulatory approvals not initiated | 2.8 |
| 2021 | 5 | 62091 | Derby Fuel Cell LLC | IPP | Derby Fuel Cell | CT | 62588 | MM48 | 2.8 | Other Natural Gas | NG | FC | (P) Planned for installation, but regulatory approvals not initiated | 2.8 |
| 2021 | 5 | 62091 | Derby Fuel Cell LLC | IPP | Derby Fuel Cell | CT | 62588 | MM49 | 2.8 | Other Natural Gas | NG | FC | (P) Planned for installation, but regulatory approvals not initiated | 2.8 |
| 2021 | 5 | 63441 | Fogarty Solar LLC | IPP | Fogarty | NY | 63747 | GRA | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 5 | 6909 | Gainesville Regional Utilities | Electric Utility | John R Kelly | FL | 664 | 8 | 37.5 | Natural Gas Fired Combined Cycle | NG | CA | (U) Under construction, less than or equal to 50 percent complete | 45.5 |
| 2021 | 5 | 61166 | Green Power Energy LLC | IPP | Cody Road Wind Farm | NY | 61592 | WT2 | 2.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.4 |
| 2021 | 5 | 61942 | Griffin Trail Wind, LLC | IPP | Griffin Trail Wind | TX | 62411 | GTWND | 225.6 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 225.6 |
| 2021 | 5 | 62807 | Hawtree Creek Farm Solar, LLC | IPP | Hawtree Solar | NC | 62951 | HAWT1 | 65.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 65.0 |
| 2021 | 5 | 62064 | Hill Top Energy Center, LLC | IPP | Hill Top Energy Center, LLC | PA | 62565 | GEN1 | 619.1 | Natural Gas Fired Combined Cycle | NG | CC | (V) Under construction, more than 50 percent complete | 664.7 |
| 2021 | 5 | 60379 | Howardtown Farm, LLC | IPP | Howardtown Farm | NC | 60630 | PV1 | 10.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 5 | 55983 | Luminant Generation Company LLC | IPP | Brightside | TX | 63223 | UNIT1 | 50.7 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 50.7 |
| 2021 | 5 | 63100 | SE Juno, LLC | IPP | Juno Solar Project | TX | 63328 | JUNO1 | 159.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 159.0 |
| 2021 | 5 | 16609 | San Diego Gas & Electric Co | Electric Utility | Fallbrook Energy Storage | CA | 61365 | FBES | 40.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 40.0 |
| 2021 | 5 | 20856 | Wisconsin Power & Light Co | Electric Utility | Riverside Energy Center | WI | 55641 | PV1 | 4.4 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.4 |
| 2021 | 6 | 62984 | AC Power 2 LLC | IPP | AC Power 2 | NJ | 63196 | ACP2 | 3.8 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 3.8 |
| 2021 | 6 | 61608 | Agilon Energy Holdings II, LLC | IPP | Victoria Port Power II LLC | TX | 61966 | VP2-1 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 50.0 |
| 2021 | 6 | 61608 | Agilon Energy Holdings II, LLC | IPP | Victoria Port Power II LLC | TX | 61966 | VP2-2 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 50.0 |
| 2021 | 6 | 63600 | Cal Flats BESS, LLC | IPP | Cal Flats BESS | CA | 63930 | CF60 | 60.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 60.0 |
| 2021 | 6 | 56769 | Consolidated Edison Development Inc. | IPP | CED Denmark Solar Hybrid | ME | 63898 | DSBS | 2.3 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 2.3 |
| 2021 | 6 | 56769 | Consolidated Edison Development Inc. | IPP | CED Denmark Solar Hybrid | ME | 63898 | DSPV | 2.5 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.5 |
| 2021 | 6 | 62746 | Don Lee BESS 1 LLC | IPP | Don Lee BESS 1 LLC | CA | 62872 | DONL1 | 6.5 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 6.5 |
| 2021 | 6 | 56987 | East Blackland Solar Project 1 LLC | IPP | East Blackland Solar Project 1 | TX | 57659 | PSF | 144.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 144.0 |
| 2021 | 6 | 58970 | Ecoplexus, Inc | IPP | High Shoals PV1 | NC | 59997 | HISHO | 16.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 16.0 |
| 2021 | 6 | 58970 | Ecoplexus, Inc | IPP | OAKBORO PV1 | NC | 63162 | OAKPV | 40.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 40.0 |
| 2021 | 6 | 58970 | Ecoplexus, Inc | IPP | Pleasant Hill PV1 | NC | 63787 | PHILL | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 6 | 58970 | Ecoplexus, Inc | IPP | Willoughby PV1 | NC | 60003 | WILL1 | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 6 | 7140 | Georgia Power Co | Electric Utility | Georgia College & State University Solar | GA | 63282 | 1 | 3.5 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 3.5 |
| 2021 | 6 | 63499 | Gunsight Solar, LLC | IPP | Gunsight Solar, LLC | SC | 63813 | PGR26 | 75.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 75.0 |
| 2021 | 6 | 63474 | Hecate Energy Gedney Hill LLC | IPP | Hecate Energy Gedney Hill | NY | 63815 | GEDNY | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 6 | 49893 | Invenergy Services LLC | IPP | Canisteo Wind Farm | NY | 62947 | GEN1 | 290.7 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 290.7 |
| 2021 | 6 | 63453 | Johnson Development Associates, Inc. | IPP | Pinson Solar Farm | SC | 63777 | 1310 | 20.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 26.0 |
| 2021 | 6 | 56155 | Lansing Board of Water and Light | Electric Utility | Delta Energy Park | MI | 63259 | DEPC2 | 48.3 | Natural Gas Fired Combined Cycle | NG | CT | (U) Under construction, less than or equal to 50 percent complete | 58.0 |
| 2021 | 6 | 56155 | Lansing Board of Water and Light | Electric Utility | Delta Energy Park | MI | 63259 | DEPC3 | 48.3 | Natural Gas Fired Combined Cycle | NG | CT | (U) Under construction, less than or equal to 50 percent complete | 58.0 |
| 2021 | 6 | 56155 | Lansing Board of Water and Light | Electric Utility | Delta Energy Park | MI | 63259 | DEPS1 | 46.3 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 58.0 |
| 2021 | 6 | 56155 | Lansing Board of Water and Light | Electric Utility | Delta Energy Park | MI | 63259 | DEPST | 81.0 | Natural Gas Fired Combined Cycle | NG | CA | (U) Under construction, less than or equal to 50 percent complete | 89.2 |
| 2021 | 6 | 63549 | Lily Solar, LLC | IPP | Lily Solar Hybrid | TX | 63892 | LILY | 146.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 181.0 |
| 2021 | 6 | 63549 | Lily Solar, LLC | IPP | Lily Solar Hybrid | TX | 63892 | LILYB | 50.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 50.0 |
| 2021 | 6 | 61219 | Longroad Energy Services LLC | IPP | Muscle Shoals | AL | 62462 | GEN01 | 227.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 227.0 |
| 2021 | 6 | 11806 | Massachusetts Mun Wholes Electric Co | Electric Utility | MMWEC Simple Cycle Gas Turbine | MA | 63559 | 1 | 55.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 70.0 |
| 2021 | 6 | 13402 | Nevada Irrigation District | IPP | Loma Rica Hydroelectric Powerhouse | CA | 60988 | HY1 | 1.4 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 1.4 |
| 2021 | 6 | 15296 | New York Power Authority | Electric Utility | Willis Battery Storage | NY | 63238 | WB1 | 20.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 6 | 62985 | Pettinos Solar LLC | IPP | Pettinos Solar | NJ | 63197 | ACP4 | 1.2 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.2 |
| 2021 | 6 | 59967 | Phoenix Energy | Electric CHP | North Fork Community Power | CA | 60192 | NFCP1 | 2.0 | Other Waste Biomass | OBG | IC | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 6 | 60982 | RE Maplewood LLC | IPP | RE Maplewood | TX | 61346 | PV2 | 250.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 250.0 |
| 2021 | 6 | 59010 | Rhubarb One LLC | IPP | Rhubarb One SC | SC | 59596 | PV1 | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 6 | 63092 | SE Titan, LLC | IPP | Titan Solar Project | TX | 63320 | IPTTN | 260.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 260.0 |
| 2021 | 6 | 62918 | TPE Hopkins Solar Holdings1 LLC | IPP | Hopkins Hill CSG | RI | 63136 | HH1 | 4.8 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.8 |
| 2021 | 6 | 62918 | TPE Hopkins Solar Holdings1 LLC | IPP | Hopkins Hill CSG | RI | 63136 | HH2 | 4.7 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 4.7 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 6 | 63328 | USS Goodrich Solar | IPP | USS Goodrich Solar | IL | 63620 | USGCH | 2.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2021 | 6 | 63327 | USS Grandpa Solar | IPP | USS Grandpa Solar | IL | 63619 | USGPA | 1.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 1.0 |
| 2021 | 6 | 63329 | USS Sycamore Solar | IPP | USS Sycamore Solar | IL | 63621 | USSYC | 2.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2021 | 6 | 62978 | USS Water City Solar LLC | IPP | USS Water City Solar LLC CSG | MN | 63220 | WTRCY | 1.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 1.0 |
| 2021 | 6 | 62977 | USS Water Fowl Solar LLC | IPP | USS Water Fowl Solar LLC CSG | MN | 63219 | WTRFL | 1.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 1.0 |
| 2021 | 6 | 62976 | USS Water Town Solar LLC | IPP | USS Water Town Solar LLC CSG | MN | 63218 | WTRTN | 1.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 1.0 |
| 2021 | 6 | 19564 | University of Notre Dame | Commercial | Notre Dame Hydro | IN | 62918 | HYD1 | 2.5 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 2.5 |
| 2021 | 6 | 62808 | Whitehorn Solar, LLC | IPP | Whitehorn Solar | VA | 62959 | WHIT1 | 50.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 50.0 |
| 2021 | 6 | 63225 | Wister Solar | IPP | Wister Solar | CA | 63487 | WSOL | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 6 | 63369 | Yaphank Fuel Cell Park, LLC | IPP | SWM Fuel Cell | NY | 63661 | SWM-1 | 2.8 | Other Natural Gas | NG | FC | (T) Regulatory approvals received. Not under construction | 2.8 |
| 2021 | 6 | 63369 | Yaphank Fuel Cell Park, LLC | IPP | SWM Fuel Cell | NY | 63661 | SWM-2 | 2.8 | Other Natural Gas | NG | FC | (T) Regulatory approvals received. Not under construction | 2.8 |
| 2021 | 6 | 63369 | Yaphank Fuel Cell Park, LLC | IPP | SWM Fuel Cell | NY | 63661 | SWM-3 | 2.8 | Other Natural Gas | NG | FC | (T) Regulatory approvals received. Not under construction | 2.8 |
| 2021 | 7 | 60776 | Aksamit Resource Management | IPP | Milligan III Wind Farm | NE | 61159 | M3001 | 73.4 | Onshore Wind Turbine | WND | WT | (T) Regulatory approvals received. Not under construction | 73.4 |
| 2021 | 7 | 63430 | Astral Electricity, LLC | IPP | Chisholm Grid Energy Storage System | TX | 63737 | CHS01 | 100.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 100.0 |
| 2021 | 7 | 63571 | Azure Sky Solar Project, LLC | IPP | Azure Sky Solar | TX | 63905 | ASKYS | 225.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 225.0 |
| 2021 | 7 | 60366 | BRE NC Solar 2, LLC | IPP | BRE NC Solar 2 | NC | 60626 | BEAM2 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 7 | 56615 | First Solar Project Development | IPP | Sun Stream 2 | AZ | 63440 | GEN01 | 150.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 150.0 |
| 2021 | 7 | 7140 | Georgia Power Co | Electric Utility | Fort Valley State University Solar | GA | 63062 | 1 | 10.8 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 10.8 |
| 2021 | 7 | 63403 | Luna Storage, LLC | IPP | Luna Storage | CA | 63685 | LUNA | 100.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2021 | 7 | 63451 | Madero Grid, LLC | IPP | Madero Grid | TX | 63757 | MAD01 | 200.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 200.0 |
| 2021 | 7 | 58451 | McCoy Solar, LLC | IPP | McCoy Solar Energy Project Hybrid | CA | 58462 | MCST1 | 230.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 230.0 |
| 2021 | 7 | 63139 | Minonk Stewardship Wind LLC | IPP | Bennington Wind | IL | 63384 | BENN | 93.0 | Onshore Wind Turbine | WND | WT | (T) Regulatory approvals received. Not under construction | 93.0 |
| 2021 | 7 | 61593 | Pleinmont Solar 2 LLC | IPP | Pleinmont Solar 2 | VA | 62013 | PLNM2 | 240.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 240.0 |
| 2021 | 7 | 63100 | SE Juno, LLC | IPP | Juno Solar Project | TX | 63328 | IPJNO | 141.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 141.0 |
| 2021 | 7 | 62699 | SunEast Dog Corners Solar LLC | IPP | SunEast Dog Corners Solar Project | NY | 62823 | Q584 | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 7 | 62757 | SunEast Hills Solar LLC | IPP | SunEast Hills Solar Project | NY | 62895 | Q581 | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 7 | 62698 | SunEast Skyline Solar LLC | IPP | SunEast Skyline Solar Project | NY | 62816 | Q670 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 7 | 62756 | SunEast Watkins Road Solar LLC | IPP | SunEast Watkins Road Solar Project | NY | 62896 | Q586 | 20.0 | Solar Photovoltaic | SUN | PV | (OT) Other | 20.0 |
| 2021 | 8 | 62049 | Aquamarine Westside LLC | IPP | Aquamarine | CA | 62547 | AQUAM | 250.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 250.0 |
| 2021 | 8 | 63571 | Azure Sky Solar Project, LLC | IPP | Azure Sky Solar | TX | 63905 | ASKYB | 77.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 77.0 |
| 2021 | 8 | 62050 | Castleman Power Development LLC | IPP | SJRR Power LLC | TX | 62548 | SJ-1 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 8 | 62050 | Castleman Power Development LLC | IPP | SJRR Power LLC | TX | 62548 | SJ-2 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 8 | 56769 | Consolidated Edison Development Inc. | IPP | Copper Mountain Solar 5, LLC | NV | 63504 | CM5-1 | 250.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 252.0 |
| 2021 | 8 | 61060 | Cypress Creek Renewables | IPP | Pine Valley Solar Farm, LLC | NC | 60298 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2021 | 8 | 61684 | Diablo Energy Storage, LLC | IPP | Diablo Energy Storage | CA | 62175 | DIBLO | 250.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 250.0 |
| 2021 | 8 | 61944 | GSRP | IPP | Chevron - Lost Hills Hybrid | CA | 63545 | BESS1 | 10.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 8 | 56545 | Pattern Operators LP | IPP | G.S.E. One LLC | TX | 62505 | 1 | 82.5 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 83.0 |
| 2021 | 8 | 63396 | Sturbridge Road Solar Farm, LLC | IPP | Sturbridge Road Solar | MA | 63677 | STURB | 5.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 5.0 |
| 2021 | 8 | 62820 | Syncarpha Millbury, LLC | IPP | Syncarpha Millbury Hybrid | MA | 62974 | SYMIB | 3.8 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 3.8 |
| 2021 | 8 | 62820 | Syncarpha Millbury, LLC | IPP | Syncarpha Millbury Hybrid | MA | 62974 | SYMIS | 5.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 5.0 |
| 2021 | 8 | 62936 | TREX US Red Holly LLC | IPP | TREX US Red Holly | TX | 63202 | 701-S | 50.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 50.0 |
| 2021 | 8 | 63519 | Trent River Solar, LLC | IPP | Trent River Solar, LLC | NC | 63842 | PGR25 | 78.7 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 78.7 |
| 2021 | 9 | 61118 | Ameresco, Inc - Candlewood | IPP | Candlewood Solar | CT | 61517 | CANDL | 25.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 25.0 |
| 2021 | 9 | 63253 | Assembly Solar II LLC | IPP | Assembly Solar II LLC | MI | 63538 | AS2 | 110.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 110.0 |
| 2021 | 9 | 61818 | CC Polymers LLC | Industrial | M&G Resins USA | TX | 60642 | 1 | 11.7 | All Other | WH | OT | (P) Planned for installation, but regulatory approvals not initiated | 14.3 |
| 2021 | 9 | 61818 | CC Polymers LLC | Industrial | M&G Resins USA | TX | 60642 | 2 | 11.7 | All Other | WH | OT | (P) Planned for installation, but regulatory approvals not initiated | 14.3 |
| 2021 | 9 | 62050 | Castleman Power Development LLC | IPP | SJRR Power LLC | TX | 62548 | SJ-3 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 9 | 62050 | Castleman Power Development LLC | IPP | SJRR Power LLC | TX | 62548 | SJ-4 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 9 | 61610 | Delaware River Solar, LLC | IPP | Yellow Mills Rd #1 Community Solar Farm | NY | 62517 | 1142 | 2.3 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.3 |
| 2021 | 9 | 61610 | Delaware River Solar, LLC | IPP | Yellow Mills Rd #2 Community Solar Farm | NY | 62518 | 1181 | 2.3 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.3 |
| 2021 | 9 | 61610 | Delaware River Solar, LLC | IPP | Yellow Mills Rd #3 Community Solar Farm | NY | 62519 | 1244 | 2.3 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.3 |
| 2021 | 9 | 63084 | Gulfwinds Generation, LLC | IPP | Jawbone Wind Project | MT | 58175 | JWPI | 80.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 80.0 |
| 2021 | 9 | 63109 | Hales Mills Solar, LLC | IPP | Hales Mills Solar, LLC | NY | 63339 | 6609 | 3.6 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 9 | 19558 | Homer Electric Assn Inc | Electric Utility | Soldotna | AK | 57206 | 3 | 46.5 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 93.0 |
| 2021 | 9 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Briar Creek Solar 1 | TX | 63769 | TXBC1 | 127.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 127.0 |
| 2021 | 9 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Elk Hill Solar 1 | PA | 63773 | PAEH1 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 9 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Elm Branch Solar 1 | TX | 63764 | TXEB1 | 134.7 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 134.7 |
| 2021 | 9 | 55983 | Luminant Generation Company LLC | IPP | Emerald Grove | TX | 63233 | UNIT1 | 108.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 108.0 |
| 2021 | 9 | 59489 | Perennial-Wind Chaser LLC | IPP | Perennial Wind Chaser Station | OR | 59721 | GT1 | 98.7 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 106.0 |
| 2021 | 9 | 59489 | Perennial-Wind Chaser LLC | IPP | Perennial Wind Chaser Station | OR | 59721 | GT2 | 98.7 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 106.0 |
| 2021 | 9 | 59489 | Perennial-Wind Chaser LLC | IPP | Perennial Wind Chaser Station | OR | 59721 | GT3 | 98.7 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 106.0 |
| 2021 | 9 | 59489 | Perennial-Wind Chaser LLC | IPP | Perennial Wind Chaser Station | OR | 59721 | GT4 | 98.7 | Natural Gas Fired Combustion Turbine | NG | GT | (T) Regulatory approvals received. Not under construction | 106.0 |
| 2021 | 9 | 62743 | RoxWind LLC | IPP | RoxWind | ME | 62857 | WIND1 | 15.3 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 15.3 |
| 2021 | 9 | 63101 | SE Aragorn, LLC | IPP | Aragorn Solar Project | TX | 63329 | IPAGN | 180.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 180.0 |
| 2021 | 9 | 63493 | Sugar Solar, LLC | IPP | Sugar Solar, LLC | NC | 63807 | PGR29 | 60.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 60.0 |
| 2021 | 9 | 62700 | SunEast Clay Solar LLC | IPP | SunEast Clay Solar Project | NY | 62819 | Q669 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 9 | 62812 | Syncarpha Tewksbury, LLC | IPP | Syncarpha Tewksbury Hybrid | MA | 62968 | SYTKS | 2.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.8 |
| 2021 | 9 | 62813 | Syncarpha Westminster, LLC | IPP | Syncarpha Westminster Hybrid | MA | 62971 | SYWES | 4.7 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 4.7 |
| 2021 | 9 | 63420 | Taos Mesa Energy Facility, LLC | IPP | Taos Mesa Energy Facility Hybrid | NM | 63728 | BESS | 12.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 12.0 |
| 2021 | 9 | 63420 | Taos Mesa Energy Facility, LLC | IPP | Taos Mesa Energy Facility Hybrid | NM | 63728 | TMEF1 | 15.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 15.0 |
| 2021 | 9 | 59056 | Tri Global Energy, LLC | IPP | Canyon Wind Project, LLC | TX | 60271 | WT1 | 260.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 260.0 |
| 2021 | 9 | 63412 | Westmoreland County Solar Project, LLC | IPP | Westmoreland County Solar Project | VA | 63696 | WEST | 19.9 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 19.9 |
| 2021 | 10 | 61523 | 225DD 8me LLC | IPP | Galloway 1 Solar Farm | TX | 61920 | GSM01 | 250.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 250.0 |
| 2021 | 10 | 62794 | AP Solar 2, LLC | IPP | Fighting Jays Solar Project | TX | 62945 | FJSOL | 350.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 350.0 |
| 2021 | 10 | 61825 | Antelope Expansion 1B, LLC | IPP | Antelope Expansion 1B | CA | 62320 | ANE1B | 17.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 17.0 |
| 2021 | 10 | 62659 | BMP Wind LLC | IPP | BMP Wind (TX) | TX | 62809 | BMP | 293.6 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 293.3 |
| 2021 | 10 | 58391 | Chilocco Wind Farm LLC | IPP | Chilocco Wind Farm | OK | 58406 | 1 | 200.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2021 | 10 | 62886 | Clover Creek Solar, LLC | IPP | Clover Creek Solar | UT | 63061 | CLVR | 80.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 10 | 61610 | Delaware River Solar, LLC | IPP | Route 5 & 20 Community Solar Farm | NY | 62523 | 1093 | 2.3 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 2.3 |
| 2021 | 10 | 58970 | Ecoplexus, Inc | IPP | Westminister NC | NC | 63567 | WSMTR | 75.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 75.0 |
| 2021 | 10 | 61122 | Great River Hydro, LLC | IPP | S C Moore | NH | 2351 | GEN5 | 4.6 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 4.6 |
| 2021 | 10 | 63579 | Illinois Winds LLC | IPP | Panther Creek Wind Project | IL | 63907 | WTGE | 44.5 | Onshore Wind Turbine | WND | WT | (T) Regulatory approvals received. Not under construction | 48.0 |
| 2021 | 10 | 60720 | Martinsdale Wind Farm LLC | IPP | Martinsdale Wind Farm | MT | 61108 | MTD | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 10 | 62893 | Mililani I Solar LLC | IPP | Mililani South Solar Farm | HI | 57242 | 1 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 10 | 58901 | Sustainable Hydro, Braddock, LLC | IPP | Braddock Lock and Dam | PA | 59091 | GEN1 | 5.3 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 5.3 |
| 2021 | 10 | 62812 | Syncarpha Tewksbury, LLC | IPP | Syncarpha Tewksbury Hybrid | MA | 62968 | SYTKB | 2.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2021 | 10 | 62813 | Syncarpha Westminster, LLC | IPP | Syncarpha Westminster Hybrid | MA | 62971 | SYWEB | 2.9 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 2.9 |
| 2021 | 10 | 61637 | TUUSSO Energy, LLC | IPP | Camas Solar Project | WA | 62071 | CAMAS | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 10 | 61637 | TUUSSO Energy, LLC | IPP | Fumaria Solar Project | WA | 62070 | FUMAR | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 10 | 61637 | TUUSSO Energy, LLC | IPP | Penstemon Solar Project | WA | 62069 | PENST | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 10 | 61637 | TUUSSO Energy, LLC | IPP | Typha Solar Project | WA | 62068 | TYPHA | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 10 | 61637 | TUUSSO Energy, LLC | IPP | Urtica Solar Project | WA | 62067 | URTIC | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 10 | 59056 | Tri Global Energy, LLC | IPP | Water Valley Wind Energy | TX | 62846 | WWE1 | 150.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2021 | 11 | 15399 | Avangrid Renewables LLC | IPP | Montague Solar | OR | 63441 | S1 | 162.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 162.0 |
| 2021 | 11 | 62734 | Blue Marmot IX LLC | IPP | Blue Marmot IX | OR | 62867 | DVRO | 9.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 11 | 62735 | Blue Marmot V LLC | IPP | Blue Marmot V | OR | 62866 | DNZE | 9.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 11 | 62736 | Blue Marmot VI LLC | IPP | Blue Marmot VI | OR | 62865 | DNZW | 9.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 11 | 62737 | Blue Marmot VII LLC | IPP | Blue Marmot VII | OR | 62864 | RSHEI | 9.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 11 | 62738 | Blue Marmot VIII LLC | IPP | Blue Marmot VIII | OR | 62863 | PRMLE | 9.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 11 | 63414 | Cool Springs Solar, LLC | IPP | Cool Springs Solar (Hybrid) | GA | 63721 | COOLS | 213.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 213.0 |
| 2021 | 11 | 63414 | Cool Springs Solar, LLC | IPP | Cool Springs Solar (Hybrid) | GA | 63721 | CSBAT | 40.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 40.0 |
| 2021 | 11 | 63418 | Elora Solar | IPP | Elora Solar | TN | 63719 | ELO | 150.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 150.0 |
| 2021 | 11 | 6452 | Florida Power & Light Co | Electric Utility | Manatee Solar Energy Center | FL | 60014 | BMS | 409.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 409.0 |
| 2021 | 11 | 7140 | Georgia Power Co | Electric Utility | Vogtle | GA | 649 | 3 | 1,100.0 | Nuclear | NUC | ST | (U) Under construction, less than or equal to 50 percent complete | 1,100.0 |
| 2021 | 11 | 63289 | Key Capture Energy | IPP | NY2 Battery | NY | 63584 | NY2 | 200.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2021 | 11 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Bighorn Solar 1 | CO | 63770 | COBH1 | 240.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 240.0 |
| 2021 | 11 | 60569 | Lincoln Land Wind, LLC | IPP | Lincoln Land Wind | IL | 58925 | SAN1 | 30.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 30.0 |
| 2021 | 11 | 61762 | Long Ridge Energy Generation LLC | IPP | Hannibal Port Power Project | OH | 61322 | HPPP1 | 485.0 | Natural Gas Fired Combined Cycle | NG | CC | (P) Planned for installation, but regulatory approvals not initiated | 521.9 |
| 2021 | 11 | 55983 | Luminant Generation Company LLC | IPP | Alira | TX | 63193 | UNIT1 | 222.8 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 222.8 |
| 2021 | 11 | 58159 | Penn State University | Commercial | West Campus Steam Plant | PA | 58194 | CT2 | 5.2 | Natural Gas Fired Combustion Turbine | NG | GT | (U) Under construction, less than or equal to 50 percent complete | 6.1 |
| 2021 | 11 | 61331 | Popular Camp Wind Farm LLC | IPP | Poplar Camp Wind Farm | VA | 61111 | PC1 | 72.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 72.0 |
| 2021 | 11 | 56215 | RWE Renewables Americas LLC | IPP | Hickory Park Solar Hybrid | GA | 63522 | HPBAT | 40.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 40.0 |
| 2021 | 11 | 56215 | RWE Renewables Americas LLC | IPP | Hickory Park Solar Hybrid | GA | 63522 | HPRK | 195.5 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 195.5 |
| 2021 | 11 | 61516 | Stratford Solar Center, LLC | IPP | Stratford Solar Center, LLC | VA | 61908 | STRAT | 15.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 15.0 |
| 2021 | 11 | 63539 | SunEast Fairway Solar LLC | IPP | SunEast Fariway Solar Project | NY | 63865 | Q#848 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 63551 | SunEast Flat Hill Solar LLC | IPP | SunEast Flat Hill Solar Project | NY | 63901 | Q#865 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 63537 | SunEast Grassy Knoll Solar LLC | IPP | SunEast Grassy Knoll Solar Project | NY | 63863 | Q#885 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 63540 | SunEast Highview Solar LLC | IPP | SunEast Highview Solar Project | NY | 63866 | Q#591 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 63543 | SunEast Hilltop Solar LLC | IPP | SunEast Hilltop Solar Project | NY | 63868 | Q#807 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 63538 | SunEast Limestone Solar LLC | IPP | SunEast Limestone Solar Project | NY | 63864 | Q#806 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 63536 | SunEast Valley Solar LLC | IPP | SunEast Valley Solar Project | NY | 63862 | Q#828 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 11 | 18454 | Tampa Electric Co | Electric Utility | Big Bend | FL | 645 | GT5 | 360.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 392.0 |
| 2021 | 11 | 18454 | Tampa Electric Co | Electric Utility | Big Bend | FL | 645 | GT6 | 360.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 392.0 |
| 2021 | 11 | 18454 | Tampa Electric Co | Electric Utility | Mountain View Solar (FL) | FL | 61664 | GEN1 | 52.5 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 52.5 |
| 2021 | 11 | 60387 | Townsite Solar, LLC | IPP | Townsite Solar Project Hybrid | NV | 60654 | GEN02 | 90.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 90.0 |
| 2021 | 12 | 61222 | 174 Power Global Corp. | IPP | Gerdau | TX | 63797 | GER01 | 80.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 61477 | 325MK 8me LLC | IPP | Eagle Shadow Mountain Solar Farm | NV | 61852 | ESMSF | 300.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2021 | 12 | 57416 | Acciona Energy USA Global, LLC | IPP | High Point Solar LLC | IL | 63838 | HPS | 100.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 100.0 |
| 2021 | 12 | 59495 | Ameren Missouri | Electric Utility | Green City Renewable Energy Center Hybrid | MO | 63065 | GBESS | 2.5 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 2.5 |
| 2021 | 12 | 59495 | Ameren Missouri | Electric Utility | Green City Renewable Energy Center Hybrid | MO | 63065 | GCREC | 10.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 12 | 59495 | Ameren Missouri | Electric Utility | Richwoods Renewable Energy Center Hybrid | MO | 63066 | RBESS | 4.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 4.0 |
| 2021 | 12 | 59495 | Ameren Missouri | Electric Utility | Richwoods Renewable Energy Center Hybrid | MO | 63066 | RREC | 10.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 12 | 59495 | Ameren Missouri | Electric Utility | Utica Renewable Energy Center Hybrid | MO | 63067 | UBESS | 2.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 2.0 |
| 2021 | 12 | 59495 | Ameren Missouri | Electric Utility | Utica Renewable Energy Center Hybrid | MO | 63067 | UREC | 10.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2021 | 12 | 59192 | Amity Energy, LLC | IPP | Amity Energy LLC | PA | 59418 | 1 | 6.8 | Natural Gas Internal Combustion Engine | NG | IC | (L) Regulatory approvals pending. Not under construction | 7.0 |
| 2021 | 12 | 59192 | Amity Energy, LLC | IPP | Amity Energy LLC | PA | 59418 | 2 | 6.8 | Natural Gas Internal Combustion Engine | NG | IC | (L) Regulatory approvals pending. Not under construction | 7.0 |
| 2021 | 12 | 59192 | Amity Energy, LLC | IPP | Amity Energy LLC | PA | 59418 | 3 | 6.8 | Natural Gas Internal Combustion Engine | NG | IC | (L) Regulatory approvals pending. Not under construction | 7.0 |
| 2021 | 12 | 60927 | Anchor Energy LLC | IPP | Anchor Energy | PA | 61304 | GEN1 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60927 | Anchor Energy LLC | IPP | Anchor Energy | PA | 61304 | GEN2 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60927 | Anchor Energy LLC | IPP | Anchor Energy | PA | 61304 | GEN3 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60927 | Anchor Energy LLC | IPP | Anchor Energy | PA | 61304 | GEN4 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60927 | Anchor Energy LLC | IPP | Anchor Energy | PA | 61304 | GEN5 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Cotton Center Solar Hybrid | AZ | 57561 | CC17M | 17.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 17.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Desert Star Hybrid | AZ | 62965 | DS10M | 10.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 10.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | El Sol BESS | AZ | 62964 | EL50M | 50.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Foothills Solar Plant Hybrid | AZ | 57997 | FH38M | 38.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 38.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Gila Bend Hybrid | AZ | 59020 | GB36M | 36.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 36.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Hyder II Hybrid | AZ | 58383 | H214M | 14.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 14.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Hyder Solar Hybrid | AZ | 57563 | H116M | 16.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 16.0 |
| 2021 | 12 | 803 | Arizona Public Service Co | Electric Utility | Paloma Solar Hybrid | AZ | 57562 | PA17M | 17.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 17.0 |
| 2021 | 12 | 15399 | Avangrid Renewables LLC | IPP | Bakeoven Solar | OR | 63507 | BOS1 | 60.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2021 | 12 | 15399 | Avangrid Renewables LLC | IPP | Golden Hill Wind | OR | 63710 | GH1 | 200.0 | Onshore Wind Turbine | WND | WT | (T) Regulatory approvals received. Not under construction | 200.0 |
| 2021 | 12 | 15399 | Avangrid Renewables LLC | IPP | Lund Hill Solar | WA | 63509 | LHS1 | 150.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2021 | 12 | 59613 | BayWa r.e. Solar Projects LLC | IPP | Bluebird Solar LLC | KY | 62797 | BBIRD | 80.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 62708 | Black Bear Wind LLC | IPP | Black Bear Wind (MT) | MT | 62808 | BBW | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 62713 | Buenos Aires Windpower LLC | IPP | Buenos Aires Phase 1 | TX | 62803 | BAW1 | 200.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 200.0 |
| 2021 | 12 | 63221 | CD4 | IPP | CD4 | CA | 63490 | OEC1 | 17.0 | Geothermal | GEO | BT | (L) Regulatory approvals pending. Not under construction | 25.0 |
| 2021 | 12 | 58416 | California State University, Northridge | Commercial | CSU Northridge Plant | CA | 58422 | G6PV | 0.7 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 0.8 |
| 2021 | 12 | 58508 | Carolina Solar Energy LLC | IPP | Cabaniss Solar | NC | 60430 | PV1 | 4.2 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 4.2 |
| 2021 | 12 | 58508 | Carolina Solar Energy LLC | IPP | Sellers Farm Solar | NC | 60439 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 12 | 56769 | Consolidated Edison Development Inc. | IPP | Battle Mountain Solar Project | NV | 61098 | BMSP | 101.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 101.0 |
| 2021 | 12 | 62898 | Dflex Power, LLC | IPP | John Paul Jones | TX | 63095 | JPJDX | 18.7 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 18.7 |
| 2021 | 12 | 63578 | Dodge Flat Solar, LLC | IPP | Dodge Flat | NV | 63913 | DODGE | 200.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 200.0 |
| 2021 | 12 | 62911 | Drew Solar LLC | IPP | Drew Solar LLC | CA | 63127 | DS | 100.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 100.0 |
| 2021 | 12 | 61785 | EDP Renewables North America LLC | IPP | Saddle Mountain East Wind Farm | WA | 62263 | GEN1 | 126.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 126.0 |
| 2021 | 12 | 58970 | Ecoplexus, Inc | IPP | East Nash PV2 | NC | 63789 | ENSH2 | 26.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 26.0 |
| 2021 | 12 | 58970 | Ecoplexus, Inc | IPP | Grifton PV2 | NC | 63568 | GRFT2 | 56.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 56.0 |
| 2021 | 12 | 63559 | Edmondson Ranch Wind, LLC | IPP | Edmondson Ranch Wind, LLC | TX | 63890 | ERWE | 293.3 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 293.3 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 12 | 59380 | Enel Green Power NA, Inc. | IPP | Pomerado Energy Storage, LLC | CA | 61390 | PMRDO | 6.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2021 | 12 | 60496 | Enerparc Inc. | IPP | Scituate RI Solar, LLC | RI | 61841 | SCITU | 10.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 10.0 |
| 2021 | 12 | 59497 | Eversource | IPP | Martha's Vineyard Community Battery | MA | 62605 | MVESS | 4.9 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 4.9 |
| 2021 | 12 | 60688 | FGE Goodnight, LLC | IPP | Goodnight | TX | 59246 | GOOD1 | 500.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 500.0 |
| 2021 | 12 | 56615 | First Solar Project Development | IPP | White Wing Solar | AZ | 60572 | GEN01 | 200.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 200.0 |
| 2021 | 12 | 62130 | Foundation CA Fund X Manager LLC | IPP | Foundation Dole Fresh Vegetables | CA | 62654 | WTG1 | 2.8 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.8 |
| 2021 | 12 | 62130 | Foundation CA Fund X Manager LLC | IPP | Foundation Dole Fresh Vegetables | CA | 62654 | WTG2 | 2.8 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.8 |
| 2021 | 12 | 61944 | GSRP | IPP | Dry Bridge Solar (Brown University) | RI | 62771 | DBS1 | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 12 | 61944 | GSRP | IPP | Dry Bridge Solar (Brown University) | RI | 62771 | DBS2 | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 12 | 61944 | GSRP | IPP | Dry Bridge Solar (Brown University) | RI | 62771 | DBS3 | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 12 | 61944 | GSRP | IPP | Dry Bridge Solar (Brown University) | RI | 62771 | DBS4 | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2021 | 12 | 62759 | Geronimo Energy | IPP | Elk Creek Solar | MN | 63250 | ELKCR | 80.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 80.0 |
| 2021 | 12 | 62759 | Geronimo Energy | IPP | Prairie Wolf Solar LLC | IL | 62893 | PWOLF | 200.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 200.0 |
| 2021 | 12 | 61166 | Green Power Energy LLC | IPP | Cody Road Wind Farm | NY | 61592 | WT1 | 2.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.4 |
| 2021 | 12 | 61166 | Green Power Energy LLC | IPP | Cody Road Wind Farm | NY | 61592 | WT3 | 2.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.4 |
| 2021 | 12 | 61166 | Green Power Energy LLC | IPP | Cody Road Wind Farm | NY | 61592 | WT4 | 2.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.4 |
| 2021 | 12 | 61166 | Green Power Energy LLC | IPP | Cody Road Wind Farm | NY | 61592 | WT5 | 2.4 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 2.4 |
| 2021 | 12 | 62704 | Grizzly Wind LLC | IPP | Grizzly Wind LLC | MT | 62802 | GW | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 63553 | Haymaker Energy Project LLC | IPP | Haymaker Hybrid | MT | 63878 | HBESS | 200.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2021 | 12 | 62153 | Hecate Energy Highland LLC | IPP | Hecate Energy Highland LLC | OH | 62670 | HIGHL | 300.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 300.0 |
| 2021 | 12 | 62765 | High Bridge Wind, LLC | IPP | High Bridge Wind Project | NY | 62894 | WT | 100.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2021 | 12 | 63497 | Highest Power Solar, LLC | IPP | Highest Power Solar, LLC | NC | 63812 | PGR31 | 48.7 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 48.7 |
| 2021 | 12 | 61853 | Innogy Renewables US LLC | IPP | Baron Winds Farm | NY | 60596 | 1 | 130.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 130.0 |
| 2021 | 12 | 61853 | Innogy Renewables US LLC | IPP | Buckeye Wind Farm | OH | 58776 | 1 | 99.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 99.0 |
| 2021 | 12 | 61853 | Innogy Renewables US LLC | IPP | Mason Dixon Wind Farm | PA | 60212 | 1 | 79.9 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 79.9 |
| 2021 | 12 | 49893 | Invenergy Services LLC | IPP | Alle-Catt Wind Energy LLC | NY | 62954 | GEN1 | 340.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 340.0 |
| 2021 | 12 | 49893 | Invenergy Services LLC | IPP | Changing Winds | TX | 59243 | CHAN1 | 288.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 288.0 |
| 2021 | 12 | 49893 | Invenergy Services LLC | IPP | Horseshoe Solar Energy | NY | 63096 | GEN1 | 180.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 180.0 |
| 2021 | 12 | 49893 | Invenergy Services LLC | IPP | Yum Yum Solar LLC | TN | 63026 | GEN1 | 147.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 147.0 |
| 2021 | 12 | 62912 | Iris Solar LLC | IPP | Iris Solar LLC | LA | 63128 | ISLLC | 50.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 50.0 |
| 2021 | 12 | 58378 | Jordan Hydroelectric LTD PTP | IPP | Flannagan Hydroelectric Project | VA | 58827 | LEFT | 0.4 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.4 |
| 2021 | 12 | 58378 | Jordan Hydroelectric LTD PTP | IPP | Flannagan Hydroelectric Project | VA | 58827 | LEFT1 | 0.4 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.4 |
| 2021 | 12 | 58378 | Jordan Hydroelectric LTD PTP | IPP | Flannagan Hydroelectric Project | VA | 58827 | LEFT2 | 0.4 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.4 |
| 2021 | 12 | 58378 | Jordan Hydroelectric LTD PTP | IPP | Flannagan Hydroelectric Project | VA | 58827 | RGHT | 0.4 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.4 |
| 2021 | 12 | 63552 | Key Capture Energy | IPP | TX17 Nickel Prairie Storage | TX | 63880 | TX17 | 100.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2021 | 12 | 63107 | Lansing Renewables, LLC | IPP | Lansing Renewables, LLC | NY | 63337 | 6004 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 12 | 61421 | LeGore Bridge Solar Center, LLC | IPP | LeGore Bridge Solar Center | MD | 61796 | LGBSC | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 12 | 63496 | Lick Creek Solar, LLC | IPP | Lick Creek Solar, LLC | NC | 63811 | PGR27 | 50.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 50.0 |
| 2021 | 12 | 62664 | Lock 14 Hydro Partners, LLC | IPP | Heidelberg Hydroelectric Project | KY | 62749 | 1 | 0.5 | Conventional Hydroelectric | WAT | HY | (T) Regulatory approvals received. Not under construction | 0.5 |
| 2021 | 12 | 62664 | Lock 14 Hydro Partners, LLC | IPP | Heidelberg Hydroelectric Project | KY | 62749 | 2 | 0.5 | Conventional Hydroelectric | WAT | HY | (T) Regulatory approvals received. Not under construction | 0.5 |
| 2021 | 12 | 62664 | Lock 14 Hydro Partners, LLC | IPP | Heidelberg Hydroelectric Project | KY | 62749 | 3 | 0.5 | Conventional Hydroelectric | WAT | HY | (T) Regulatory approvals received. Not under construction | 0.5 |
| 2021 | 12 | 62664 | Lock 14 Hydro Partners, LLC | IPP | Heidelberg Hydroelectric Project | KY | 62749 | 4 | 0.5 | Conventional Hydroelectric | WAT | HY | (T) Regulatory approvals received. Not under construction | 0.5 |
| 2021 | 12 | 62664 | Lock 14 Hydro Partners, LLC | IPP | Heidelberg Hydroelectric Project | KY | 62749 | 5 | 0.5 | Conventional Hydroelectric | WAT | HY | (T) Regulatory approvals received. Not under construction | 0.5 |
| 2021 | 12 | 58783 | Marseilles Land and Water Company | IPP | Marseilles Lock and Dam Hydro | IL | 58903 | UNIT1 | 2.6 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 2.6 |
| 2021 | 12 | 58783 | Marseilles Land and Water Company | IPP | Marseilles Lock and Dam Hydro | IL | 58903 | UNIT2 | 2.6 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 2.6 |
| 2021 | 12 | 58783 | Marseilles Land and Water Company | IPP | Marseilles Lock and Dam Hydro | IL | 58903 | UNIT3 | 2.6 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 2.6 |
| 2021 | 12 | 58783 | Marseilles Land and Water Company | IPP | Marseilles Lock and Dam Hydro | IL | 58903 | UNIT4 | 2.6 | Conventional Hydroelectric | WAT | HY | (U) Under construction, less than or equal to 50 percent complete | 2.6 |
| 2021 | 12 | 63231 | Maverick Wind Project, LLC | IPP | Maverick Wind Project, LLC | OK | 63494 | GEN1 | 288.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 288.0 |
| 2021 | 12 | 62675 | Meherrin Solar LLC | IPP | Meherrin Solar | VA | 62758 | MEHER | 59.6 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 59.6 |
| 2021 | 12 | 61459 | Minco Wind V, LLC | IPP | Minco Wind V, LLC | OK | 61837 | MV | 220.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 220.0 |
| 2021 | 12 | 60221 | North Slope LLC | IPP | North Slope, LLC | NY | 60420 | NSPV | 200.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 200.0 |
| 2021 | 12 | 63216 | North Valley | IPP | North Valley | NV | 63491 | OEC1 | 25.0 | Geothermal | GEO | BT | (L) Regulatory approvals pending. Not under construction | 37.0 |
| 2021 | 12 | 63110 | Owlville Creek Solar 2, LLC | IPP | Owlville Creek Solar 2, LLC | NY | 63340 | 6609 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 12 | 63111 | Owlville Creek Solar, LLC | IPP | Owlville Creek Solar, LLC | NY | 63341 | 6608 | 5.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.0 |
| 2021 | 12 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Llagas Energy Storage | CA | 63529 | LLAGS | 20.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 12 | 56545 | Pattern Operators LP | IPP | Old Jackson Solar LLC | TX | 62501 | 1 | 127.5 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 128.0 |
| 2021 | 12 | 56545 | Pattern Operators LP | IPP | Solemio LLC | TX | 62522 | 1 | 79.8 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 62689 | Piney Creek, LLC | IPP | Piney Creek Solar | VA | 62768 | PCSOL | 80.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 61301 | Plum Creek Wind Farm LLC | IPP | Plum Creek | MN | 61687 | PLMCK | 400.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 400.0 |
| 2021 | 12 | 56215 | RWE Renewables Americas LLC | IPP | Blackjack Creek Wind Farm | TX | 62783 | BLKJK | 239.6 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 239.6 |
| 2021 | 12 | 61784 | Rolling Upland Wind Farm LLC | IPP | Rolling Upland Wind Farm LLC | NY | 62262 | GEN1 | 60.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2021 | 12 | 62896 | Rooney Ranch, LLC | IPP | Rooney Ranch | CA | 63088 | ROONR | 21.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 21.0 |
| 2021 | 12 | 62983 | SE Athos I, LLC | IPP | Athos Solar Project | CA | 63300 | IPAT1 | 250.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 250.0 |
| 2021 | 12 | 61900 | SR Arlington, LLC | IPP | SR Arlington I | GA | 62436 | ARLI | 20.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 20.0 |
| 2021 | 12 | 62907 | Sand Hill A, LLC | IPP | Sand Hill A | CA | 63126 | SNDHA | 13.5 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 13.5 |
| 2021 | 12 | 62908 | Sand Hill B, LLC | IPP | Sand Hill B | CA | 63652 | SNDHB | 17.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 17.0 |
| 2021 | 12 | 62909 | Sand Hill C, LLC | IPP | Sand Hill C | CA | 63653 | SNDHC | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2021 | 12 | 62109 | Searcy Solar, LLC | IPP | Searcy Solar Hybrid | AR | 62617 | SEABT | 10.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 10.0 |
| 2021 | 12 | 62109 | Searcy Solar, LLC | IPP | Searcy Solar Hybrid | AR | 62617 | SEARC | 100.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2021 | 12 | 62152 | Skipjack Solar Center, LLC | IPP | Skipjack Solar Center | VA | 62675 | SKIPJ | 175.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 175.0 |
| 2021 | 12 | 60523 | Springfield Project Development LLC | IPP | Homestead Wind LLC | IL | 60871 | HOMES | 50.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2021 | 12 | 62744 | St. James Solar, LLC | IPP | St. James Solar (LA) | LA | 62854 | SJS | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2021 | 12 | 63140 | Three Rivers Solar Power, LLC | IPP | Three Rivers Solar Power, LLC | ME | 63386 | 3RIVS | 100.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 100.0 |
| 2021 | 12 | 60387 | Townsite Solar, LLC | IPP | Townsite Solar Project Hybrid | NV | 60654 | GEN01 | 160.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 180.0 |
| 2021 | 12 | 60694 | Washburn Wind Energy LLC | IPP | Washburn Wind Farm | IA | 61071 | WASH | 70.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 70.0 |
| 2021 | 12 | 60847 | West Fork Wind, LLC | IPP | West Fork Wind | IN | 61214 | WT1 | 150.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 150.0 |
| 2021 | 12 | 63492 | West River Solar, LLC | IPP | West River Solar, LLC | NC | 63806 | PGR28 | 40.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 40.0 |
| 2021 | 12 | 62668 | Wheatridge Wind Energy, LLC | IPP | Wheatridge Hybrid | OR | 62745 | BTRY | 30.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 30.0 |
| 2021 | 12 | 62668 | Wheatridge Wind Energy, LLC | IPP | Wheatridge Hybrid | OR | 62745 | SOLAR | 50.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 50.0 |
| 2021 | 12 | 58761 | White Camp Solar LLC | IPP | White Camp Solar | TX | 58888 | WCAMP | 100.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2021 | 12 | 60519 | Williams Solar, LLC | IPP | Williams Solar, LLC | TX | 60859 | PV1 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2021 | 12 | 60932 | Wrighter Energy LLC | IPP | Wrighter Energy | PA | 61302 | GEN1 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60932 | Wrighter Energy LLC | IPP | Wrighter Energy | PA | 61302 | GEN2 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60932 | Wrighter Energy LLC | IPP | Wrighter Energy | PA | 61302 | GEN3 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 12 | 60932 | Wrighter Energy LLC | IPP | Wrighter Energy | PA | 61302 | GEN4 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2021 | 12 | 60932 | Wrighter Energy LLC | IPP | Wrighter Energy | PA | 61302 | GEN5 | 4.2 | Natural Gas Internal Combustion Engine | NG | IC | (P) Planned for installation, but regulatory approvals not initiated | 4.4 |
| 2022 | 1 | 14605 | City of Peabody - (MA) | Electric Utility | Waters River | MA | 1678 | 3 | 55.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2022 | 1 | 61060 | Cypress Creek Renewables | IPP | Thigpen Farms Solar, LLC | NC | 60850 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (OT) Other | 5.0 |
| 2022 | 1 | 58765 | FGE Texas I LLC | IPP | FGE Texas I | TX | 58931 | CA1 | 249.9 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 265.2 |
| 2022 | 1 | 58765 | FGE Texas I LLC | IPP | FGE Texas I | TX | 58931 | GT1 | 226.7 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 238.9 |
| 2022 | 1 | 58765 | FGE Texas I LLC | IPP | FGE Texas I | TX | 58931 | GT2 | 226.7 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 238.9 |
| 2022 | 1 | 60971 | NYC ENERGY LLC | IPP | NISA Electric Generation Project | NY | 61331 | GEN1 | 59.7 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 70.5 |
| 2022 | 1 | 60971 | NYC ENERGY LLC | IPP | NISA Electric Generation Project | NY | 61331 | STG1 | 20.2 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 22.0 |
| 2022 | 1 | 63502 | Partin Solar, LLC | IPP | Partin Solar | NC | 63827 | 95 | 50.0 | Solar Photovoltaic | SUN | PV | (V) Under construction, more than 50 percent complete | 50.0 |
| 2022 | 1 | 60473 | Renovo Energy Center | IPP | Renovo Energy Center | PA | 60786 | RECNY | 480.0 | Natural Gas Fired Combined Cycle | NG | CS | (L) Regulatory approvals pending. Not under construction | 513.0 |
| 2022 | 1 | 60473 | Renovo Energy Center | IPP | Renovo Energy Center | PA | 60786 | RECPJ | 480.0 | Natural Gas Fired Combined Cycle | NG | CS | (L) Regulatory approvals pending. Not under construction | 513.0 |
| 2022 | 2 | 55983 | Luminant Generation Company LLC | IPP | Jayhawk | TX | 59806 | SOLAR | 101.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 101.0 |
| 2022 | 2 | 6775 | Village of Freeport - (NY) | Electric Utility | Plant No 1 Freeport | NY | 2678 | ENG13 | 3.0 | Landfill Gas | LFG | IC | (L) Regulatory approvals pending. Not under construction | 3.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Palestine Power Peaking Facility | TX | 62684 | PP-1 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Palestine Power Peaking Facility | TX | 62684 | PP-2 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Palestine Power Peaking Facility | TX | 62684 | PP-3 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Palestine Power Peaking Facility | TX | 62684 | PP-4 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Sealy Power Peaking Facility | TX | 62685 | SP-1 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Sealy Power Peaking Facility | TX | 62685 | SP-2 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Sealy Power Peaking Facility | TX | 62685 | SP-3 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 62050 | Castleman Power Development LLC | IPP | Sealy Power Peaking Facility | TX | 62685 | SP-4 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 3 | 60718 | Energy Resources USA, Inc. | IPP | Tom Bevill Lock and Dam Hydroelectric | AL | 61749 | GEN1 | 4.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 4.0 |
| 2022 | 3 | 60718 | Energy Resources USA, Inc. | IPP | Tom Bevill Lock and Dam Hydroelectric | AL | 61749 | GEN2 | 4.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 4.0 |
| 2022 | 3 | 60718 | Energy Resources USA, Inc. | IPP | Tom Bevill Lock and Dam Hydroelectric | AL | 61749 | GEN3 | 4.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 4.0 |
| 2022 | 3 | 61395 | Indeck Niles, LLC | IPP | Indeck Niles Energy Center | MI | 55460 | CT1 | 370.6 | Natural Gas Fired Combined Cycle | NG | CT | (U) Under construction, less than or equal to 50 percent complete | 370.6 |
| 2022 | 3 | 61395 | Indeck Niles, LLC | IPP | Indeck Niles Energy Center | MI | 55460 | CT2 | 370.6 | Natural Gas Fired Combined Cycle | NG | CT | (U) Under construction, less than or equal to 50 percent complete | 370.6 |
| 2022 | 3 | 61395 | Indeck Niles, LLC | IPP | Indeck Niles Energy Center | MI | 55460 | ST1 | 368.1 | Natural Gas Fired Combined Cycle | NG | CA | (U) Under construction, less than or equal to 50 percent complete | 368.1 |
| 2022 | 3 | 63552 | Key Capture Energy | IPP | TX18 Cottage Meadow Storage | TX | 63879 | TX18 | 100.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2022 | 3 | 59137 | Palmer Renewable Energy | IPP | Palmer Renewable Energy | MA | 59336 | PRE | 42.0 | Wood/Wood Waste Biomass | WDS | ST | (T) Regulatory approvals received. Not under construction | 42.0 |
| 2022 | 4 | 63118 | 224WB 8me LLC | IPP | Galloway 2 Solar Farm | TX | 63343 | GS2SF | 110.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 110.0 |
| 2022 | 4 | 61525 | 231RC 8me LLC | IPP | Norton Solar Farm | TX | 61967 | NSM01 | 125.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 125.0 |
| 2022 | 4 | 60167 | Concord Blue Eagar, LLC | IPP | Concord Blue Eagar, LLC | AZ | 60374 | CB001 | 0.6 | Other Waste Biomass | OBG | IC | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 4 | 60167 | Concord Blue Eagar, LLC | IPP | Concord Blue Eagar, LLC | AZ | 60374 | CB002 | 0.6 | Other Waste Biomass | OBG | IC | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 4 | 5109 | DTE Electric Company | Electric Utility | Blue Water Energy Center | MI | 62192 | 11 | 359.0 | Natural Gas Fired Combined Cycle | NG | CT | (U) Under construction, less than or equal to 50 percent complete | 394.4 |
| 2022 | 4 | 5109 | DTE Electric Company | Electric Utility | Blue Water Energy Center | MI | 62192 | 12 | 359.0 | Natural Gas Fired Combined Cycle | NG | CT | (U) Under construction, less than or equal to 50 percent complete | 394.4 |
| 2022 | 4 | 5109 | DTE Electric Company | Electric Utility | Blue Water Energy Center | MI | 62192 | 1S | 428.0 | Natural Gas Fired Combined Cycle | NG | CA | (U) Under construction, less than or equal to 50 percent complete | 478.6 |
| 2022 | 4 | 62787 | Jackson Generation, LLC | IPP | Jackson Generation, LLC | IL | 62926 | 01 | 600.0 | Natural Gas Fired Combined Cycle | NG | CS | (T) Regulatory approvals received. Not under construction | 600.0 |
| 2022 | 4 | 62787 | Jackson Generation, LLC | IPP | Jackson Generation, LLC | IL | 62926 | 02 | 600.0 | Natural Gas Fired Combined Cycle | NG | CS | (T) Regulatory approvals received. Not under construction | 600.0 |
| 2022 | 4 | 63426 | RE Bravepost LLC | IPP | RE Bravepost LLC | TX | 63730 | BVPST | 200.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 200.0 |
| 2022 | 4 | 62983 | SE Athos I, LLC | IPP | Athos Solar Project | CA | 63300 | IPAT2 | 200.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 200.0 |
| 2022 | 4 | 58846 | Southeast Renewable Fuels, LLC | Industrial | SRF Pulp Processing Facility | FL | 58997 | G1001 | 12.0 | Wood/Wood Waste Biomass | WDS | ST | (U) Under construction, less than or equal to 50 percent complete | 20.0 |
| 2022 | 4 | 62935 | TREX US Green Holly LLC | IPP | TREX US Green Holly | TX | 63201 | 705 | 400.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 400.0 |
| 2022 | 4 | 62935 | TREX US Green Holly LLC | IPP | TREX US Green Holly | TX | 63201 | 705-S | 5.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 5.0 |
| 2022 | 5 | 15399 | Avangrid Renewables LLC | IPP | Camino Solar | CA | 63508 | CS1 | 44.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 44.0 |
| 2022 | 5 | 15399 | Avangrid Renewables LLC | IPP | Camino Solar | CA | 63508 | CS2 | 11.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 11.0 |
| 2022 | 6 | 61541 | 1634 Solar, LLC | IPP | 1634 Solar | SC | 61935 | 3 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61222 | 174 Power Global Corp. | IPP | Kupehau | HI | 63799 | KUP01 | 60.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2022 | 6 | 61222 | 174 Power Global Corp. | IPP | Kupehau | HI | 63799 | KUPB1 | 60.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2022 | 6 | 62921 | Arroyo Solar LLC | IPP | Arroyo Solar Energy Storage Hybrid | NM | 63172 | ARESS | 40.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 40.0 |
| 2022 | 6 | 62921 | Arroyo Solar LLC | IPP | Arroyo Solar Energy Storage Hybrid | NM | 63172 | ARSOL | 300.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2022 | 6 | 61711 | Ashley Solar (SC) | IPP | Ashley Solar (SC) | SC | 62179 | 21 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61712 | Atlantic Solar | IPP | Atlantic Solar | SC | 62180 | 22 | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2022 | 6 | 61713 | B & K Solar | IPP | B & K Solar | SC | 62181 | 23 | 63.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 63.0 |
| 2022 | 6 | 61544 | Bani Solar, LLC | IPP | Bani Solar | SC | 61938 | 4 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61714 | Battle Solar | IPP | Battle Solar | SC | 62182 | 24 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61715 | Bell Solar | IPP | Bell Solar | SC | 62183 | 25 | 6.1 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 6.1 |
| 2022 | 6 | 61716 | Big Fork Solar | IPP | Big Fork Solar | SC | 62184 | 26 | 74.9 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 74.9 |
| 2022 | 6 | 61717 | Birch Solar | IPP | Birch Solar | SC | 62185 | 27 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61519 | Blackville Solar Farm, LLC | IPP | Blackville Solar Farm, LLC | SC | 61918 | 1 | 7.2 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 7.2 |
| 2022 | 6 | 63575 | Bluegrass Solar, LLC | IPP | Bluegrass Solar | MD | 63910 | BGS | 80.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 80.0 |
| 2022 | 6 | 62920 | Cabin Point Solar Center LLC | IPP | Cabin Point Solar Center | VA | 63134 | CBNPT | 75.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 75.0 |
| 2022 | 6 | 60395 | California Ethanol Power, LLC | Industrial | CE&P Imperial Valley 1 | CA | 60670 | 1 | 50.0 | All Other | OTH | CC | (T) Regulatory approvals received. Not under construction | 50.0 |
| 2022 | 6 | 61718 | Chapman Solar | IPP | Chapman Solar | SC | 62186 | 28 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 60270 | Clark Canyon Hydro, LLC | IPP | Clark Canyon Hydro-Electric Facility | MT | 60483 | FRNS1 | 2.4 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.4 |
| 2022 | 6 | 60270 | Clark Canyon Hydro, LLC | IPP | Clark Canyon Hydro-Electric Facility | MT | 60483 | FRNS2 | 2.4 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.4 |
| 2022 | 6 | 61719 | Clark Solar | IPP | Clark Solar | SC | 62187 | 29 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61720 | Colleton Solar | IPP | Colleton Solar | SC | 62188 | 30 | 75.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 75.0 |
| 2022 | 6 | 61721 | Collins Farm Solar | IPP | Collins Farm Solar | SC | 62189 | 31 | 5.4 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 5.4 |
| 2022 | 6 | 61722 | Crossroads Solar | IPP | Crossroads Solar | SC | 62190 | 32 | 67.7 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 67.7 |
| 2022 | 6 | 61729 | Culpepper Solar | IPP | Culpepper Solar | SC | 62221 | 33 | 69.5 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 69.5 |
| 2022 | 6 | 61730 | Dadswell Solar | IPP | Dadswell Solar | SC | 62222 | 34 | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.0 |
| 2022 | 6 | 63556 | Delilah Solar Energy II LLC | IPP | Delilah Solar Energy II LLC | TX | 63884 | GEN1 | 300.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 300.0 |
| 2022 | 6 | 61731 | Denmark Solar | IPP | Denmark Solar | SC | 62211 | 35 | 6.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 6.0 |
| 2022 | 6 | 61732 | Fairfield Solar | IPP | Fairfield Solar | SC | 62212 | 36 | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2022 | 6 | 61733 | Fishwater Solar | IPP | Fishwater Solar | SC | 62213 | 37 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 6452 | Florida Power & Light Co | Electric Utility | Lauderdale | FL | 613 | 7GT1 | 385.6 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 385.6 |
| 2022 | 6 | 6452 | Florida Power & Light Co | Electric Utility | Lauderdale | FL | 613 | 7GT2 | 385.6 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 385.6 |
| 2022 | 6 | 6452 | Florida Power & Light Co | Electric Utility | Lauderdale | FL | 613 | ST7 | 391.8 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 391.8 |
| 2022 | 6 | 61735 | Foreman Solar | IPP | Foreman Solar | SC | 62215 | 39 | 6.4 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 6.4 |
| 2022 | 6 | 63524 | Freepoint Commodities LLC | IPP | Raceway Solar | DE | 63846 | RACE | 50.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 6 | 61737 | GEB Solar | IPP | GEB Solar | SC | 62217 | 40 | 60.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 60.0 |
| 2022 | 6 | 61738 | Gedosch Solar II | IPP | Gedosch Solar II | SC | 62218 | 42 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 63437 | Helena Wind, LLC | IPP | Helena Wind | TX | 63738 | HEL | 250.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 250.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2022 | 6 | 61746 | Holliday Solar I | IPP | Holliday Solar I | SC | 62229 | 43 | 75.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 75.0 |
| 2022 | 6 | 61749 | Jackson Solar | IPP | Jackson Solar | SC | 62232 | 46 | 14.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 14.0 |
| 2022 | 6 | 61750 | Jefferson Solar | IPP | Jefferson Solar | SC | 62233 | 47 | 8.2 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 8.2 |
| 2022 | 6 | 61751 | Juniper Solar | IPP | Juniper Solar | SC | 62234 | 48 | 65.5 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 65.5 |
| 2022 | 6 | 61752 | Lone Star Solar | IPP | Lone Star Solar | SC | 62235 | 49 | 66.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 66.0 |
| 2022 | 6 | 61753 | Luz Solar | IPP | Luz Solar | SC | 62236 | 50 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61755 | Marshall Solar | IPP | Marshall Solar | SC | 62238 | 52 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61796 | Martin Central Solar | IPP | Martin Central Solar | SC | 62285 | 53 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61787 | Martin East Solar | IPP | Martin East Solar | SC | 62276 | 54 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61788 | Martin West Solar | IPP | Martin West Solar | SC | 62277 | 55 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61789 | McClain Solar | IPP | McClain Solar | SC | 62278 | 56 | 17.3 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 17.3 |
| 2022 | 6 | 61790 | McCormick Solar | IPP | McCormick Solar | SC | 62279 | 57 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61791 | Melsam Solar | IPP | Melsam Solar | SC | 62280 | 58 | 60.5 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2022 | 6 | 61792 | Middleton Solar | IPP | Middleton Solar | SC | 62281 | 59 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61793 | Pee Dee Solar I | IPP | Pee Dee Solar I | SC | 62282 | 60 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61794 | Pee Dee Solar II | IPP | Pee Dee Solar II | SC | 62283 | 61 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61795 | Power Solar | IPP | Power Solar | SC | 62284 | 62 | 3.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 3.0 |
| 2022 | 6 | 61804 | Pruger Solar I | IPP | Pruger Solar I | SC | 62292 | 63 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61805 | Pruger Solar II | IPP | Pruger Solar II | SC | 62293 | 64 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61806 | Pruger Solar III | IPP | Pruger Solar III | SC | 62294 | 65 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT1 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT2 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT3 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT4 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT5 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT6 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | Pinon Energy Center | NM | 63281 | GT7 | 42.3 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 41.8 |
| 2022 | 6 | 61807 | Quest Solar | IPP | Quest Solar | SC | 62299 | 66 | 40.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 40.0 |
| 2022 | 6 | 62694 | Rappahannock Solar, LLC | IPP | Rappahannock Solar, LLC | VA | 62780 | 100 | 1.5 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 1.5 |
| 2022 | 6 | 54866 | Robinson Power Company LLC | IPP | Robinson Power Company LLC | PA | 56453 | CTG1 | 950.0 | Natural Gas Fired Combined Cycle | NG | CC | (L) Regulatory approvals pending. Not under construction | 1,022.9 |
| 2022 | 6 | 61808 | Rollins Solar | IPP | Rollins Solar | SC | 62295 | 67 | 63.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 63.0 |
| 2022 | 6 | 61809 | Ross Solar | IPP | Ross Solar | SC | 62296 | 68 | 75.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 75.0 |
| 2022 | 6 | 61810 | Rutledge Solar | IPP | Rutledge Solar | SC | 62297 | 69 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61814 | Sandifer Solar | IPP | Sandifer Solar | SC | 62298 | 70 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61828 | Scarlet Solar | IPP | Scarlet Solar | SC | 62307 | 71 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61829 | Shem Solar | IPP | Shem Solar | SC | 62308 | 72 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61830 | Shining Sun Solar | IPP | Shining Sun Solar | SC | 62309 | 73 | 40.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 40.0 |
| 2022 | 6 | 61831 | Shorthorn Solar | IPP | Shorthorn Solar | SC | 62310 | 74 | 60.5 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 60.5 |
| 2022 | 6 | 61832 | Snoopy Solar | IPP | Snoopy Solar | SC | 62311 | 75 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61833 | Southard Solar | IPP | Southard Solar | SC | 62312 | 76 | 6.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 6.0 |
| 2022 | 6 | 63515 | Sparta Solar, LLC | IPP | Sparta Solar | TX | 63840 | 1111 | 250.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 250.0 |
| 2022 | 6 | 57109 | St Joseph Energy Center LLC | IPP | St Joseph Energy Center | IN | 57794 | CT4 | 237.0 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 238.0 |
| 2022 | 6 | 61834 | Stamey Solar | IPP | Stamey Solar | SC | 62313 | 77 | 1.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61835 | Tarpon Solar I | IPP | Tarpon Solar I | SC | 62314 | 78 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61836 | Tedder Solar | IPP | Tedder Solar | SC | 62315 | 79 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61837 | Ten Governors Solar | IPP | Ten Governors Solar | SC | 62316 | 80 | 28.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 28.0 |
| 2022 | 6 | 61862 | Thomas Solar | IPP | Thomas Solar | SC | 62352 | 81 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61861 | Topaz Solar | IPP | Topaz Solar (SC) | SC | 62349 | 82 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61860 | Trask East Solar | IPP | Trask East Solar | SC | 62346 | 83 | 12.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 12.0 |
| 2022 | 6 | 59056 | Tri Global Energy, LLC | IPP | Cone Renewable Energy Project, LLC | TX | 60272 | WT1 | 300.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2022 | 6 | 59056 | Tri Global Energy, LLC | IPP | Crosby County Wind Farm, LLC | TX | 60273 | WT1 | 120.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 120.0 |
| 2022 | 6 | 61859 | Ulmer Solar | IPP | Ulmer Solar | SC | 62343 | 85 | 22.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 22.0 |
| 2022 | 6 | 62650 | Victorville Energy Center, LLC | Industrial | Victorville Energy Center, LLC (CA) | CA | 62726 | 1 | 20.1 | All Other | WH | ST | (P) Planned for installation, but regulatory approvals not initiated | 20.1 |
| 2022 | 6 | 61868 | WSW Solar | IPP | WSW Solar | SC | 62350 | 86 | 10.8 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.8 |
| 2022 | 6 | 61863 | Washington Solar (SC) | IPP | Washington Solar (SC) | SC | 62342 | 87 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61864 | Washington Solar II (SC) | IPP | Washington Solar II (SC) | SC | 62344 | 88 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61865 | Wayfair Solar | IPP | Wayfair Solar | SC | 62345 | 89 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 61866 | Weaver Solar | IPP | Weaver Solar | SC | 62347 | 90 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 6 | 63525 | Westlands Solar Blue, LLC | IPP | Solar Blue | CA | 63848 | SBLUE | 250.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 250.0 |
| 2022 | 6 | 61869 | Wysong Solar | IPP | Wysong Solar | SC | 62351 | 92 | 2.3 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.3 |
| 2022 | 6 | 61870 | Yemassee Solar | IPP | Yemassee Solar | SC | 62353 | 93 | 10.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 10.0 |
| 2022 | 6 | 61871 | York Solar | IPP | York Solar | SC | 62354 | 94 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 7 | 49893 | Invenergy Services LLC | IPP | Delilah Solar Energy LLC | TX | 63194 | GEN1 | 250.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 250.0 |
| 2022 | 7 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Blackbear Solar 1 | AL | 63765 | ALBB1 | 100.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2022 | 7 | 62936 | TREX US Red Holly LLC | IPP | TREX US Red Holly | TX | 63202 | 701 | 250.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 250.0 |
| 2022 | 8 | 60796 | 91MC 8me LLC | IPP | Aratina Solar Center 1 Hybrid | CA | 61167 | 91MC8 | 200.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2022 | 8 | 60796 | 91MC 8me LLC | IPP | Aratina Solar Center 1 Hybrid | CA | 61167 | BESS | 50.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2022 | 8 | 62806 | Guernsey Power Station LLC | IPP | Guernsey Power Station | OH | 62949 | GPS1 | 612.0 | Natural Gas Fired Combined Cycle | NG | CS | (L) Regulatory approvals pending. Not under construction | 685.0 |
| 2022 | 9 | 62806 | Guernsey Power Station LLC | IPP | Guernsey Power Station | OH | 62949 | GPS2 | 612.0 | Natural Gas Fired Combined Cycle | NG | CS | (L) Regulatory approvals pending. Not under construction | 685.0 |
| 2022 | 9 | 63416 | Ho'Ohana Solar 1 LLC | IPP | Ho'Ohana Solar 1 | HI | 63723 | H0001 | 52.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 52.0 |
| 2022 | 9 | 63416 | Ho'Ohana Solar 1 LLC | IPP | Ho'Ohana Solar 1 | HI | 63723 | HESS1 | 52.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 52.0 |
| 2022 | 9 | 62842 | Lightsource Renewable Energy Asset Management, LLC | IPP | Happy Solar 1 | AR | 63766 | ARHA1 | 95.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 95.0 |
| 2022 | 10 | 62709 | Bakerstand Solar LLC | IPP | Bakerstand Solar (NY) | NY | 62811 | BKSTD | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2022 | 10 | 62806 | Guernsey Power Station LLC | IPP | Guernsey Power Station | OH | 62949 | GPS3 | 612.0 | Natural Gas Fired Combined Cycle | NG | CS | (L) Regulatory approvals pending. Not under construction | 685.0 |
| 2022 | 10 | 59761 | McLean Homestead, LLC | IPP | McLean Homestead | NC | 60020 | PV1 | 4.9 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 4.9 |
| 2022 | 10 | 63541 | SunEast Tabletop Solar LLC | IPP | SunEast Tabletop Solar Project | NY | 63867 | Q#869 | 80.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2022 | 11 | 60797 | 68SF 8me LLC | IPP | Eland Solar & Storage Center, Phase 1 Hybrid | CA | 61168 | 61168 | 150.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2022 | 11 | 60797 | 68SF 8me LLC | IPP | Eland Solar & Storage Center, Phase 1 Hybrid | CA | 61168 | 68SF8 | 200.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2022 | 11 | 61012 | AES Distributed Energy | IPP | AES Waikoloa Solar Hybrid | HI | 63900 | KLOAB | 30.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 30.0 |
| 2022 | 11 | 61012 | AES Distributed Energy | IPP | AES Waikoloa Solar Hybrid | HI | 63900 | YKLOA | 30.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 30.0 |
| 2022 | 11 | 7140 | Georgia Power Co | Electric Utility | Vogtle | GA | 649 | 4 | 1,100.0 | Nuclear | NUC | ST | (U) Under construction, less than or equal to 50 percent complete | 1,100.0 |
| 2022 | 12 | 61222 | 174 Power Global Corp. | IPP | Atlas | AZ | 63798 | ATL01 | 300.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2022 | 12 | 61222 | 174 Power Global Corp. | IPP | Atlas | AZ | 63798 | ATLB1 | 300.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2022 | 12 | 63448 | Aiya Solar CEI, LLC | IPP | Aiya Solar Project | NV | 59869 | GEN01 | 100.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2022 | 12 | 63494 | Allora Solar, LLC | IPP | Allora Solar, LLC | SC | 63808 | PGR30 | 75.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 75.0 |
| 2022 | 12 | 61768 | Arrow Canyon Solar LLC | IPP | Arrow Canyon Solar Hybrid | NV | 62248 | 1 | 200.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2022 | 12 | 61768 | Arrow Canyon Solar LLC | IPP | Arrow Canyon Solar Hybrid | NV | 62248 | 2 | 75.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 75.0 |
| 2022 | 12 | 15399 | Avangrid Renewables LLC | IPP | Midland Wind | IL | 63003 | 1 | 115.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 115.0 |
| 2022 | 12 | 63421 | Biggs Ford Solar Center, LLC | IPP | Biggs Ford Solar Center | MD | 61321 | BFSC | 15.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 15.0 |
| 2022 | 12 | 61386 | C4GT, LLC | IPP | C4GT | VA | 61760 | C4GT | 1,060.0 | Natural Gas Fired Combined Cycle | NG | CC | (T) Regulatory approvals received. Not under construction | 1,060.0 |
| 2022 | 12 | 59432 | Clear Creek Power | IPP | Highland Park Project | CO | 59659 | HPWT | 181.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 181.0 |
| 2022 | 12 | 56769 | Consolidated Edison Development Inc. | IPP | Burt County Wind | NE | 61511 | BCNE | 75.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 75.0 |
| 2022 | 12 | 54803 | Dynegy Oakland, LLC | IPP | Dynegy Oakland Power Plant | CA | 6211 | GEN4 | 36.3 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 36.3 |
| 2022 | 12 | 62760 | EDPR CA Solar Park VI LLC | IPP | EDPR CA Solar Park VI LLC (CA) Hybrid | CA | 62892 | SONR2 | 40.0 | Batteries | MWH | BA | (T) Regulatory approvals received. Not under construction | 40.0 |
| 2022 | 12 | 62760 | EDPR CA Solar Park VI LLC | IPP | EDPR CA Solar Park VI LLC (CA) Hybrid | CA | 62892 | SONRI | 200.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 201.0 |
| 2022 | 12 | 59380 | Enel Green Power NA, Inc. | IPP | Cascade Energy Storage, LLC | CA | 61801 | 10002 | 25.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 25.0 |
| 2022 | 12 | 59380 | Enel Green Power NA, Inc. | IPP | Sierra Energy Storage, LLC | CA | 61803 | 10003 | 10.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 10.0 |
| 2022 | 12 | 56615 | First Solar Project Development | IPP | Portal Ridge Solar A, LLC | CA | 60309 | GEN01 | 18.5 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 18.5 |
| 2022 | 12 | 56615 | First Solar Project Development | IPP | Willow Spring Solar 3, LLC | CA | 60325 | GEN01 | 75.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 75.0 |
| 2022 | 12 | 56615 | First Solar Project Development | IPP | Windhub Solar B, LLC | CA | 59969 | GEN01 | 20.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 20.0 |
| 2022 | 12 | 60411 | Friesian Holdings, LLC | IPP | Friesian Holdings | NC | 60692 | PV1 | 75.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 75.0 |
| 2022 | 12 | 61736 | Gaines Solar | IPP | Gaines Solar | SC | 62216 | 41 | 2.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 2.0 |
| 2022 | 12 | 58880 | Gallegos Wind Farm LLC | IPP | Gallegos Wind Farm, Phase 1 | NM | 59047 | GEN 1 | 180.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 180.0 |
| 2022 | 12 | 62008 | Hale Kuawehi Solar LLC | IPP | Hale Kuawehi Solar Hybrid | HI | 62529 | HKBA | 30.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 30.0 |
| 2022 | 12 | 62008 | Hale Kuawehi Solar LLC | IPP | Hale Kuawehi Solar Hybrid | HI | 62529 | HKSOL | 30.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 30.0 |
| 2022 | 12 | 61638 | Harrison Power LLC | IPP | Cadiz Power Plant | OH | 62153 | GEN 1 | 550.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 660.0 |
| 2022 | 12 | 61638 | Harrison Power LLC | IPP | Cadiz Power Plant | OH | 62153 | GEN 2 | 550.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 660.0 |
| 2022 | 12 | 61853 | Innogy Renewables US LLC | IPP | Coyote Crest Wind Farm | WA | 58778 | 1 | 127.5 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 127.5 |
| 2022 | 12 | 49893 | Invenergy Services LLC | IPP | Samson Solar Energy | TX | 63211 | GEN1 | 250.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 250.0 |
| 2022 | 12 | 49893 | Invenergy Services LLC | IPP | Tip Top Solar Energy Center LLC | NM | 63028 | GEN1 | 220.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 220.0 |
| 2022 | 12 | 63504 | Kruger Energy Mantura Solar, LLC | IPP | Kruger Energy Mantura Solar, LLC | VA | 63822 | KEMS | 60.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2022 | 12 | 58804 | Lake Erie Energy Development Corp | IPP | Icebreaker Offshore Wind Farm | OH | 58941 | WTG1 | 3.4 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 3.4 |
| 2022 | 12 | 58804 | Lake Erie Energy Development Corp | IPP | Icebreaker Offshore Wind Farm | OH | 58941 | WTG2 | 3.4 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 3.4 |
| 2022 | 12 | 58804 | Lake Erie Energy Development Corp | IPP | Icebreaker Offshore Wind Farm | OH | 58941 | WTG3 | 3.4 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 3.4 |
| 2022 | 12 | 58804 | Lake Erie Energy Development Corp | IPP | Icebreaker Offshore Wind Farm | OH | 58941 | WTG4 | 3.4 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 3.4 |
| 2022 | 12 | 58804 | Lake Erie Energy Development Corp | IPP | Icebreaker Offshore Wind Farm | OH | 58941 | WTG5 | 3.4 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 3.4 |
| 2022 | 12 | 58804 | Lake Erie Energy Development Corp | IPP | Icebreaker Offshore Wind Farm | OH | 58941 | WTG6 | 3.4 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 3.4 |
| 2022 | 12 | 61596 | Lincoln Land Energy Center LLC | IPP | Lincoln Land Energy Center | IL | 62022 | GEN1 | 520.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 638.4 |
| 2022 | 12 | 61596 | Lincoln Land Energy Center LLC | IPP | Lincoln Land Energy Center | IL | 62022 | GEN2 | 520.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 638.4 |
| 2022 | 12 | 62663 | Lock 13 Hydro Partners | IPP | Evelyn Hydroelectric Project | KY | 62748 | 1 | 0.6 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 12 | 62663 | Lock 13 Hydro Partners | IPP | Evelyn Hydroelectric Project | KY | 62748 | 2 | 0.6 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 12 | 62663 | Lock 13 Hydro Partners | IPP | Evelyn Hydroelectric Project | KY | 62748 | 3 | 0.6 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 12 | 62663 | Lock 13 Hydro Partners | IPP | Evelyn Hydroelectric Project | KY | 62748 | 4 | 0.6 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 12 | 62663 | Lock 13 Hydro Partners | IPP | Evelyn Hydroelectric Project | KY | 62748 | 5 | 0.6 | Conventional Hydroelectric | WAT | HY | (L) Regulatory approvals pending. Not under construction | 0.6 |
| 2022 | 12 | 61422 | Mason Dixon Solar Center, LLC | IPP | Mason Dixon Solar Center | MD | 61797 | PV | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2022 | 12 | 63427 | Neptune Energy Center, LLC | IPP | Neptune Energy Center Hybrid | CO | 63731 | NT125 | 125.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 125.0 |
| 2022 | 12 | 63427 | Neptune Energy Center, LLC | IPP | Neptune Energy Center Hybrid | CO | 63731 | NT325 | 250.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 250.0 |
| 2022 | 12 | 63238 | OE_ALC | IPP | AL Solar C LLC | AL | 63513 | OEALC | 80.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 80.0 |
| 2022 | 12 | 63574 | Otter Creek Solar LLC | IPP | Otter Creek Solar | VA | 63909 | OTTER | 60.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 60.0 |
| 2022 | 12 | 62036 | Paeahu Solar LLC | IPP | Paeahu Solar Hybrid | HI | 62534 | PHBA | 15.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 15.0 |
| 2022 | 12 | 62036 | Paeahu Solar LLC | IPP | Paeahu Solar Hybrid | HI | 62534 | PHSOL | 15.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 15.0 |
| 2022 | 12 | 63501 | Panther Grove Wind, LLC | IPP | Panther Grove Wind, LLC | IL | 63818 | 78787 | 400.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 400.0 |
| 2022 | 12 | 58842 | Power Company of Wyoming LLC | IPP | Chokecherry and Sierra Madre Wind | WY | 58987 | I-A | 500.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 500.0 |
| 2022 | 12 | 61069 | RE Gaskell West LLC | IPP | RE Gaskell West 2 LLC | CA | 61446 | PV2 | 45.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 45.0 |
| 2022 | 12 | 61069 | RE Gaskell West LLC | IPP | RE Gaskell West 3 LLC | CA | 61447 | PV3 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2022 | 12 | 61069 | RE Gaskell West LLC | IPP | RE Gaskell West 4 LLC | CA | 61448 | PV4 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2022 | 12 | 61069 | RE Gaskell West LLC | IPP | RE Gaskell West 5 LLC | CA | 61449 | PV5 | 20.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 20.0 |
| 2022 | 12 | 56215 | RWE Renewables Americas LLC | IPP | Willowbrook Solar I, LLC | OH | 63877 | WBS | 150.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 150.0 |
| 2022 | 12 | 21554 | Seminole Electric Cooperative Inc | Electric Utility | Seminole (FL) | FL | 136 | CT1 | 349.8 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 384.2 |
| 2022 | 12 | 21554 | Seminole Electric Cooperative Inc | Electric Utility | Seminole (FL) | FL | 136 | CT2 | 349.8 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 384.2 |
| 2022 | 12 | 21554 | Seminole Electric Cooperative Inc | Electric Utility | Seminole (FL) | FL | 136 | ST | 396.6 | Natural Gas Fired Combined Cycle | NG | CA | (L) Regulatory approvals pending. Not under construction | 414.8 |
| 2022 | 12 | 63454 | Thunder Wolf Energy Center, LLC | IPP | Thunder Wolf Energy Center Hybrid | CO | 63776 | TW100 | 100.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2022 | 12 | 63454 | Thunder Wolf Energy Center, LLC | IPP | Thunder Wolf Energy Center Hybrid | CO | 63776 | TW300 | 200.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2022 | 12 | 63561 | TransAlta Holdings U.S. Inc. | IPP | Tono Solar | WA | 63902 | TSPV1 | 80.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2022 | 12 | 59056 | Tri Global Energy, LLC | IPP | Easter | TX | 59971 | ESTR1 | 300.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2023 | 1 | 60836 | NTE Connecticut, LLC | IPP | Killingly Energy Center | CT | 61239 | KEC | 374.3 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 501.0 |
| 2023 | 1 | 60836 | NTE Connecticut, LLC | IPP | Killingly Energy Center | CT | 61239 | KEC2 | 257.6 | Natural Gas Fired Combined Cycle | NG | CA | (L) Regulatory approvals pending. Not under construction | 312.8 |
| 2023 | 1 | 18454 | Tampa Electric Co | Electric Utility | Big Bend | FL | 645 | BBST1 | 335.0 | Natural Gas Steam Turbine | NG | ST | (P) Planned for installation, but regulatory approvals not initiated | 445.5 |
| 2023 | 2 | 59966 | ESC Harrison County Power | IPP | ESC Harrison County Power | WV | 60206 | HCCA1 | 205.4 | Natural Gas Fired Combined Cycle | NG | CA | (P) Planned for installation, but regulatory approvals not initiated | 207.4 |
| 2023 | 2 | 59966 | ESC Harrison County Power | IPP | ESC Harrison County Power | WV | 60206 | HCCT1 | 319.1 | Natural Gas Fired Combined Cycle | NG | CT | (P) Planned for installation, but regulatory approvals not initiated | 371.5 |
| 2023 | 3 | 59365 | Capital Power Corporation | IPP | Garrison Butte Wind, LLC | ND | 60066 | GEN | 150.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2023 | 3 | 56615 | First Solar Project Development | IPP | Desert Quartzite | CA | 59871 | GEN01 | 480.0 | Solar Photovoltaic | SUN | PV | (T) Regulatory approvals received. Not under construction | 480.0 |
| 2023 | 3 | 61130 | Helix Ravenswood, LLC | IPP | Ravenswood | NY | 2500 | RWES1 | 129.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 129.0 |
| 2023 | 3 | 61130 | Helix Ravenswood, LLC | IPP | Ravenswood | NY | 2500 | RWES2 | 98.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 98.0 |
| 2023 | 3 | 61130 | Helix Ravenswood, LLC | IPP | Ravenswood | NY | 2500 | RWES3 | 89.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 89.0 |
| 2023 | 4 | 17568 | Cooperative Energy | Electric Utility | R D Morrow | MS | 6061 | MOR1 | 514.0 | Natural Gas Fired Combined Cycle | NG | CC | (L) Regulatory approvals pending. Not under construction | 550.0 |
| 2023 | 5 | 63601 | CPV Three Rivers, LLC | IPP | CPV Three Rivers Energy Center | IL | 63931 | GEN1 | 607.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 650.0 |
| 2023 | 5 | 63601 | CPV Three Rivers, LLC | IPP | CPV Three Rivers Energy Center | IL | 63931 | GEN2 | 607.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 650.0 |
| 2023 | 5 | 62733 | Cranberry Point Energy Storage LLC | IPP | Cranberry Point Energy Storage | MA | 62844 | NA | 150.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2023 | 5 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | 6 | 227.8 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 227.8 |
| 2023 | 5 | 58766 | FGE Texas II LLC | IPP | FGE Texas II | TX | 58930 | CA1 | 249.9 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 265.2 |
| 2023 | 5 | 58766 | FGE Texas II LLC | IPP | FGE Texas II | TX | 58930 | GT1 | 226.7 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 238.9 |
| 2023 | 5 | 58766 | FGE Texas II LLC | IPP | FGE Texas II | TX | 58930 | GT2 | 226.7 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 238.9 |
| 2023 | 5 | 55983 | Luminant Generation Company LLC | IPP | Hallmark | TX | 63234 | UNIT1 | 42.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 42.0 |
| 2023 | 5 | 12199 | Montana-Dakota Utilities Co | Electric Utility | R M Heskett | ND | 2790 | 4 | 88.0 | Natural Gas Fired Combustion Turbine | NG | GT | (P) Planned for installation, but regulatory approvals not initiated | 88.0 |
| 2023 | 5 | 189 | PowerSouth Energy Cooperative | Electric Utility | Charles R Lowman | AL | 56 | LEC1 | 385.0 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 454.5 |
| 2023 | 5 | 189 | PowerSouth Energy Cooperative | Electric Utility | Charles R Lowman | AL | 56 | LEC2 | 245.0 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 272.2 |
| 2023 | 6 | 63520 | Arida Solar | IPP | Arida Solar | NV | 63841 | ARIDA | 370.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 370.0 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | 6 | 63557 | Delilah Solar Energy III LLC | IPP | Delilah Solar Energy III LLC | TX | 63885 | GEN1 | 310.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 310.0 |
| 2023 | 6 | 63503 | Hardin Solar Energy II LLC | IPP | Hardin Solar Energy II LLC | OH | 63828 | GEN1 | 170.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 170.0 |
| 2023 | 6 | 63554 | Samson Solar Energy II LLC | IPP | Samson Solar Energy II LLC | TX | 63882 | GEN1 | 200.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 200.0 |
| 2023 | 6 | 63555 | Samson Solar Energy III LLC | IPP | Samson Solar Energy III LLC | TX | 63883 | GEN1 | 250.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 250.0 |
| 2023 | 6 | 57109 | St Joseph Energy Center LLC | IPP | St Joseph Energy Center | IN | 57794 | ST2 | 232.0 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 260.0 |
| 2023 | 6 | 56789 | TBE Montgomery LLC | IPP | TBE-Montgomery LLC | NY | 57472 | CTG | 11.6 | Other Waste Biomass | OBG | CT | (U) Under construction, less than or equal to 50 percent complete | 12.0 |
| 2023 | 6 | 56789 | TBE Montgomery LLC | IPP | TBE-Montgomery LLC | NY | 57472 | STG | 7.4 | Other Waste Biomass | OBG | CA | (U) Under construction, less than or equal to 50 percent complete | 9.0 |
| 2023 | 6 | 63527 | Westlands Cherry, LLC | IPP | Cherry | CA | 63850 | CHERY | 249.7 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 249.7 |
| 2023 | 6 | 63528 | Westlands Grape, LLC | IPP | Grape | CA | 63851 | GRAPE | 246.4 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 246.4 |
| 2023 | 7 | 60798 | 69SV 8me LLC | IPP | Eland Solar & Storage Center, Phase 2 Hybrid | CA | 61169 | 61169 | 150.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 150.0 |
| 2023 | 7 | 60798 | 69SV 8me LLC | IPP | Eland Solar & Storage Center, Phase 2 Hybrid | CA | 61169 | 69SV8 | 200.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2023 | 7 | 59434 | Mattawoman Energy, LLC | IPP | Mattawoman Energy Center | MD | 59662 | CGT11 | 286.0 | Natural Gas Fired Combined Cycle | NG | CC | (T) Regulatory approvals received. Not under construction | 286.0 |
| 2023 | 7 | 59434 | Mattawoman Energy, LLC | IPP | Mattawoman Energy Center | MD | 59662 | CGT12 | 286.0 | Natural Gas Fired Combined Cycle | NG | CC | (T) Regulatory approvals received. Not under construction | 286.0 |
| 2023 | 7 | 59434 | Mattawoman Energy, LLC | IPP | Mattawoman Energy Center | MD | 59662 | STG11 | 436.0 | Natural Gas Fired Combined Cycle | NG | CC | (T) Regulatory approvals received. Not under construction | 436.0 |
| 2023 | 7 | 60835 | NTE Carolinas II, LLC | IPP | Reidsville Energy Center | NC | 61240 | REC | 259.0 | Natural Gas Fired Combined Cycle | NG | CT | (T) Regulatory approvals received. Not under construction | 310.2 |
| 2023 | 7 | 60835 | NTE Carolinas II, LLC | IPP | Reidsville Energy Center | NC | 61240 | REC2 | 227.0 | Natural Gas Fired Combined Cycle | NG | CA | (T) Regulatory approvals received. Not under construction | 233.7 |
| 2023 | 9 | 62910 | 300MS 8me LLC | IPP | Southern Bighorn Solar Hybrid | NV | 63113 | BESS | 135.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 135.0 |
| 2023 | 9 | 62910 | 300MS 8me LLC | IPP | Southern Bighorn Solar Hybrid | NV | 63113 | SBS | 300.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2023 | 9 | 58881 | Apex Bethel Energy Center | IPP | Apex Bethel Energy Center | TX | 59048 | ABEC1 | 158.5 | Natural Gas with Compressed Air Storage | NG | CE | (T) Regulatory approvals received. Not under construction | 158.5 |
| 2023 | 9 | 58881 | Apex Bethel Energy Center | IPP | Apex Bethel Energy Center | TX | 59048 | ABEC2 | 158.5 | Natural Gas with Compressed Air Storage | NG | CE | (T) Regulatory approvals received. Not under construction | 158.5 |
| 2023 | 10 | 61914 | Juwi Inc | IPP | Spanish Peaks Solar | CO | 62379 | 47301 | 100.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 100.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Allegheny L&D2 Hydroelectric Project | PA | 62401 | NA1 | 2.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 4.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Arkabutla Lake Hydroelectric Project | MS | 62402 | NA1 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Beverly L&D Hydroelectric Project | OH | 62403 | NA1 | 1.2 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 1.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Devola L&D Hydroelectric Project | OH | 62435 | NA1 | 1.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Emsworth BC Hydroelectric Project | PA | 62434 | NA1 | 3.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Emsworth L&D Hydroelectric Project | PA | 62433 | NA1 | 5.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Enid Lake Hydroelectric Project | MS | 62432 | NA1 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Grays Landing L&D Hydroelectric Project | PA | 62388 | NA1 | 4.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Grenada Lake Hydroelectric Project | MS | 62430 | NA1 | 4.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | KY No. 11 L&D Hydroelectric Project | KY | 62390 | NA1 | 0.3 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 0.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Lowell L&D Hydroelectric Project | OH | 62429 | NA1 | 2.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Maxwell L&D Hydroelectric Project | PA | 62385 | NA1 | 4.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Monongahela L&D4 Hydroelectric Project | PA | 62404 | NA1 | 4.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Montgomery L&D Hydroelectric Project | PA | 62400 | NA1 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 9.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Morgantown L&D Hydroelectric Project | WV | 62387 | NA1 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Opekiska L&D Hydroelectric Project | WV | 62386 | NA1 | 2.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 3.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Overton Hydroelectric Project | LA | 62391 | NA1 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.1 |
| 2023 | 10 | 61906 | Rye Development | IPP | Philo L&D Hydroelectric Project | OH | 62427 | NA1 | 1.2 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 1.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Point Marion L&D Hydroelectric Project | PA | 62384 | NA1 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 10 | 61906 | Rye Development | IPP | Rokeby L&D Hydroelectric Project | OH | 62426 | NA1 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2023 | 10 | 61906 | Rye Development | IPP | Sardis Lake Hydroelectric Project | MS | 62425 | NA1 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 7.5 |
| 2023 | 10 | 62895 | Vineyard Wind LLC | IPP | Vineyard Wind 1 | MA | 63093 | VW01 | 800.0 | Offshore Wind Turbine | WND | WS | (L) Regulatory approvals pending. Not under construction | 800.0 |
| 2023 | 11 | 63117 | Gemini Solar | IPP | Gemini Solar | NV | 63352 | ARBE1 | 690.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 690.0 |
| 2023 | 11 | 63117 | Gemini Solar | IPP | Gemini Solar | NV | 63352 | ARPV1 | 280.0 | Batteries | MWH | BA | (U) Under construction, less than or equal to 50 percent complete | 380.0 |
| 2023 | 11 | 61797 | Hecate Energy LLC | IPP | Hecate Energy Columbia County Solar | NY | 62273 | HECC1 | 60.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 60.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Allegheny L&D2 Hydroelectric Project | PA | 62401 | NA2 | 2.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 4.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Arkabutla Lake Hydroelectric Project | MS | 62402 | NA2 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Beverly L&D Hydroelectric Project | OH | 62403 | NA2 | 1.2 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 1.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Devola L&D Hydroelectric Project | OH | 62435 | NA2 | 1.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Emsworth BC Hydroelectric Project | PA | 62434 | NA2 | 4.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Emsworth L&D Hydroelectric Project | PA | 62433 | NA2 | 6.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Enid Lake Hydroelectric Project | MS | 62432 | NA2 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Grays Landing L&D Hydroelectric Project | PA | 62388 | NA2 | 4.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Grenada Lake Hydroelectric Project | MS | 62430 | NA2 | 4.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | KY No. 11 L&D Hydroelectric Project | KY | 62390 | NA2 | 0.3 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 0.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | KY No. 11 L&D Hydroelectric Project | KY | 62390 | NA3 | 0.3 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 0.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | KY No. 11 L&D Hydroelectric Project | KY | 62390 | NA4 | 0.3 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 0.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | KY No. 11 L&D Hydroelectric Project | KY | 62390 | NA5 | 0.3 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 0.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Lowell L&D Hydroelectric Project | OH | 62429 | NA2 | 2.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Malta L&D Hydroelectric Project | OH | 62428 | NA1 | 1.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Malta L&D Hydroelectric Project | OH | 62428 | NA2 | 1.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Maxwell L&D Hydroelectric Project | PA | 62385 | NA2 | 4.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Monongahela L&D4 Hydroelectric Project | PA | 62404 | NA2 | 4.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Montgomery L&D Hydroelectric Project | PA | 62400 | NA2 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 9.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Montgomery L&D Hydroelectric Project | PA | 62400 | NA3 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 9.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Montgomery L&D Hydroelectric Project | PA | 62400 | NA4 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 9.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Morgantown L&D Hydroelectric Project | WV | 62387 | NA2 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Opekiska L&D Hydroelectric Project | WV | 62386 | NA2 | 2.0 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 3.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Overton Hydroelectric Project | LA | 62391 | NA2 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.1 |
| 2023 | 11 | 61906 | Rye Development | IPP | Overton Hydroelectric Project | LA | 62391 | NA3 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.1 |
| 2023 | 11 | 61906 | Rye Development | IPP | Overton Hydroelectric Project | LA | 62391 | NA4 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.1 |
| 2023 | 11 | 61906 | Rye Development | IPP | Overton Hydroelectric Project | LA | 62391 | NA5 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.1 |
| 2023 | 11 | 61906 | Rye Development | IPP | Overton Hydroelectric Project | LA | 62391 | NA6 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 8.1 |
| 2023 | 11 | 61906 | Rye Development | IPP | Philo L&D Hydroelectric Project | OH | 62427 | NA2 | 1.2 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 1.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Point Marion L&D Hydroelectric Project | PA | 62384 | NA2 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.5 |
| 2023 | 11 | 61906 | Rye Development | IPP | Rokeby L&D Hydroelectric Project | OH | 62426 | NA2 | 1.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2023 | 11 | 61906 | Rye Development | IPP | Sardis Lake Hydroelectric Project | MS | 62425 | NA2 | 5.5 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 7.5 |
| 2023 | 12 | 60064 | Clean Path Energy Center, LLC | IPP | Clean Path Energy Center | NM | 60289 | PVGEN | 55.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 55.0 |
| 2023 | 12 | 63464 | Crossroads Solar, LLC | IPP | Crossroads Solar (PA) | PA | 63785 | CROSS | 50.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2023 | 12 | 63553 | Haymaker Energy Project LLC | IPP | Haymaker Hybrid | MT | 63878 | HAY | 600.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 600.0 |
| 2023 | 12 | 60349 | Juneau Hydropower, Inc | IPP | Sweetheart Lake Hydroelectric Facility | AK | 60588 | JHI01 | 6.6 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.6 |
| 2023 | 12 | 60349 | Juneau Hydropower, Inc | IPP | Sweetheart Lake Hydroelectric Facility | AK | 60588 | JHI02 | 6.6 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.6 |
| 2023 | 12 | 60349 | Juneau Hydropower, Inc | IPP | Sweetheart Lake Hydroelectric Facility | AK | 60588 | JHI03 | 6.6 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 6.6 |

**Table 6.5. Planned U.S. Electric Generating Unit Additions**

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code | Status | Nameplate Capacity (MW) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | 12 | 63603 | Nevada Power Company DBA NV Energy | Electric Utility | Dry Lake Solar Energy Center | NV | 63933 | DLES1 | 100.0 | Batteries | MWH | BA | (L) Regulatory approvals pending. Not under construction | 100.0 |
| 2023 | 12 | 63603 | Nevada Power Company DBA NV Energy | Electric Utility | Dry Lake Solar Energy Center | NV | 63933 | DLPV1 | 150.0 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 150.0 |
| 2023 | 12 | 63217 | Obsidian Solar Center LLC | IPP | Obsidian Solar Center | OR | 63488 | OBSLR | 400.0 | Solar Photovoltaic | SUN | PV | (U) Under construction, less than or equal to 50 percent complete | 400.0 |
| 2023 | 12 | 63463 | Palomino Solar, LLC | IPP | Palomino Solar | OH | 63784 | PLMNO | 50.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2023 | 12 | 58842 | Power Company of Wyoming LLC | IPP | Chokecherry and Sierra Madre Wind | WY | 58987 | I-B | 500.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 500.0 |
| 2023 | 12 | 63488 | Shady Hills Energy Center, LLC | IPP | Shady Hills Combined Cycle Facility | FL | 63802 | G001 | 546.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 573.0 |
| 2023 | 12 | 62023 | Skeleton Creek Energy Center | IPP | Skeleton Creek Energy Center Hybrid | OK | 62494 | SCBAT | 200.0 | Batteries | MWH | BA | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2023 | 12 | 62023 | Skeleton Creek Energy Center | IPP | Skeleton Creek Energy Center Hybrid | OK | 62494 | SCSOL | 250.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 250.0 |
| 2024 | 1 | 61033 | Boswell Wind Project I, LLC | IPP | Boswell Wind I | WY | 61393 | BOSW1 | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2024 | 1 | 61034 | Boswell Wind Project II, LLC | IPP | Boswell Wind II | WY | 61394 | BOSW2 | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2024 | 1 | 61035 | Boswell Wind Project III, LLC | IPP | Boswell Wind III | WY | 61395 | BOSW3 | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2024 | 1 | 61036 | Boswell Wind Project IV, LLC | IPP | Boswell Wind IV | WY | 61396 | BOSW4 | 80.0 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 80.0 |
| 2024 | 1 | 2719 | CalWind Resources Inc | IPP | Tehachapi Wind Resource II | CA | 54909 | PLAN | 15.5 | Onshore Wind Turbine | WND | WT | (P) Planned for installation, but regulatory approvals not initiated | 15.5 |
| 2024 | 3 | 63465 | Candela Renewables, LLC | IPP | Rough Hat | NV | 63782 | RH1 | 400.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 400.0 |
| 2024 | 3 | 63465 | Candela Renewables, LLC | IPP | Rough Hat 2 | NV | 63783 | RH2 | 400.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 400.0 |
| 2024 | 4 | 63558 | Chickahominy Power LLC | IPP | Chickahominy Power LLC | VA | 63886 | CP001 | 557.3 | Natural Gas Fired Combined Cycle | NG | CS | (T) Regulatory approvals received. Not under construction | 572.1 |
| 2024 | 5 | 63558 | Chickahominy Power LLC | IPP | Chickahominy Power LLC | VA | 63886 | CP002 | 557.3 | Natural Gas Fired Combined Cycle | NG | CS | (T) Regulatory approvals received. Not under construction | 572.1 |
| 2024 | 6 | 63558 | Chickahominy Power LLC | IPP | Chickahominy Power LLC | VA | 63886 | CP003 | 557.3 | Natural Gas Fired Combined Cycle | NG | CS | (T) Regulatory approvals received. Not under construction | 572.1 |
| 2024 | 6 | 63576 | MEC North | IPP | MEC North | MI | 63911 | MECN | 500.0 | Natural Gas Fired Combined Cycle | NG | CS | (T) Regulatory approvals received. Not under construction | 500.0 |
| 2024 | 6 | 63577 | MEC South | IPP | MEC South | MI | 63912 | MECS | 500.0 | Natural Gas Fired Combined Cycle | NG | CS | (L) Regulatory approvals pending. Not under construction | 500.0 |
| 2024 | 10 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | Lincoln Combustion | NC | 7277 | 17 | 517.0 | Natural Gas Fired Combustion Turbine | NG | GT | (V) Under construction, more than 50 percent complete | 536.4 |
| 2024 | 12 | 60799 | 33UI 8me LLC | IPP | Long Ridge Solar Farm | UT | 61170 | 33UI8 | 300.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 300.0 |
| 2024 | 12 | 15399 | Avangrid Renewables LLC | IPP | Lund Hill | WA | 61045 | WT1 | 60.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 60.0 |
| 2024 | 12 | 56814 | Black Creek Renewable Energy LLC | IPP | Sampson County Disposal | NC | 57492 | GEN7 | 1.6 | Landfill Gas | LFG | IC | (T) Regulatory approvals received. Not under construction | 1.6 |
| 2024 | 12 | 56814 | Black Creek Renewable Energy LLC | IPP | Sampson County Disposal | NC | 57492 | GEN8 | 1.6 | Landfill Gas | LFG | IC | (T) Regulatory approvals received. Not under construction | 1.6 |
| 2024 | 12 | 58842 | Power Company of Wyoming LLC | IPP | Chokecherry and Sierra Madre Wind | WY | 58987 | I-C | 500.0 | Onshore Wind Turbine | WND | WT | (U) Under construction, less than or equal to 50 percent complete | 500.0 |
| 2025 | 1 | 59964 | ESC Brooke County Power I | IPP | ESC Brooke County Power I | WV | 60202 | BCCA1 | 261.2 | Natural Gas Fired Combined Cycle | NG | CA | (P) Planned for installation, but regulatory approvals not initiated | 280.5 |
| 2025 | 1 | 59964 | ESC Brooke County Power I | IPP | ESC Brooke County Power I | WV | 60202 | BCCT1 | 252.3 | Natural Gas Fired Combined Cycle | NG | CT | (P) Planned for installation, but regulatory approvals not initiated | 280.5 |
| 2025 | 1 | 59964 | ESC Brooke County Power I | IPP | ESC Brooke County Power I | WV | 60202 | BCCT2 | 252.3 | Natural Gas Fired Combined Cycle | NG | CT | (P) Planned for installation, but regulatory approvals not initiated | 280.5 |
| 2025 | 1 | 7189 | Gila Bend Power Partners LLC | IPP | Gila Bend Power Generation Station | AZ | 55507 | 1 | 156.0 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 170.0 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | CTG-1 | 20.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 22.5 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | CTG-2 | 20.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 22.5 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | CTG-3 | 20.0 | Natural Gas Fired Combustion Turbine | NG | GT | (L) Regulatory approvals pending. Not under construction | 22.5 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | CTG-4 | 20.0 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 22.5 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | CTG-5 | 20.0 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 22.5 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | PV1 | 0.5 | Solar Photovoltaic | SUN | PV | (L) Regulatory approvals pending. Not under construction | 0.5 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | STG-1 | 14.4 | Natural Gas Fired Combined Cycle | NG | CA | (L) Regulatory approvals pending. Not under construction | 15.0 |
| 2025 | 1 | 63342 | New Jersey Transit Corporation (NJ Transit) | Commercial | NJ TRANSITGRID | NJ | 63631 | STOR1 | 8.1 | Flywheels | MWH | FW | (L) Regulatory approvals pending. Not under construction | 8.1 |
| 2025 | 2 | 7189 | Gila Bend Power Partners LLC | IPP | Gila Bend Power Generation Station | AZ | 55507 | 2 | 156.0 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 170.0 |
| 2025 | 2 | 7189 | Gila Bend Power Partners LLC | IPP | Gila Bend Power Generation Station | AZ | 55507 | 3 | 156.0 | Natural Gas Fired Combined Cycle | NG | CT | (L) Regulatory approvals pending. Not under construction | 170.0 |
| 2025 | 2 | 7189 | Gila Bend Power Partners LLC | IPP | Gila Bend Power Generation Station | AZ | 55507 | 4 | 390.0 | Natural Gas Fired Combined Cycle | NG | CA | (L) Regulatory approvals pending. Not under construction | 390.0 |
| 2025 | 6 | 58597 | Enivromission, Inc | IPP | La Paz Solar Tower | AZ | 58652 | 1 | 200.0 | Solar Thermal without Energy Storage | SUN | OT | (P) Planned for installation, but regulatory approvals not initiated | 200.0 |
| 2025 | 7 | 11208 | Los Angeles Department of Water & Power | Electric Utility | Intermountain Power Project | UT | 6481 | 3 | 420.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 420.0 |
| 2025 | 7 | 11208 | Los Angeles Department of Water & Power | Electric Utility | Intermountain Power Project | UT | 6481 | 4 | 420.0 | Natural Gas Fired Combined Cycle | NG | CS | (P) Planned for installation, but regulatory approvals not initiated | 420.0 |
| 2025 | 12 | 60600 | Adams Solar, LLC | IPP | Adams Solar | NC | 60949 | PV1 | 2.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 2.0 |
| 2025 | 12 | 59365 | Capital Power Corporation | IPP | Nolin Hills Wind, LLC | OR | 60070 | GEN | 350.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 350.0 |
| 2025 | 12 | 60064 | Clean Path Energy Center, LLC | IPP | Clean Path Energy Center | NM | 60289 | CPEC1 | 680.0 | Natural Gas Fired Combined Cycle | NG | CC | (P) Planned for installation, but regulatory approvals not initiated | 680.0 |
| 2025 | 12 | 58842 | Power Company of Wyoming LLC | IPP | Chokecherry and Sierra Madre Wind | WY | 58987 | II-A | 750.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 750.0 |
| 2025 | 12 | 60599 | Washington Solar, LLC | IPP | Washington Solar | NC | 60948 | PV1 | 5.0 | Solar Photovoltaic | SUN | PV | (P) Planned for installation, but regulatory approvals not initiated | 5.0 |
| 2026 | 5 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM1 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 6 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM2 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 7 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM3 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 9 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM4 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 9 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM5 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 10 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM6 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 11 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM7 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2026 | 12 | 58842 | Power Company of Wyoming LLC | IPP | Chokecherry and Sierra Madre Wind | WY | 58987 | II-B | 750.0 | Onshore Wind Turbine | WND | WT | (L) Regulatory approvals pending. Not under construction | 750.0 |
| 2026 | 12 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM8 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2027 | 1 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM9 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2027 | 2 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM10 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2027 | 3 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM11 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2027 | 4 | 40575 | Utah Associated Mun Power Sys | Electric Utility | UAMPS Carbon Free Power Plant | ID | 61075 | NPM12 | 47.5 | Nuclear | NUC | ST | (P) Planned for installation, but regulatory approvals not initiated | 50.0 |
| 2027 | 12 | 60223 | Ketchikan Electric Company | Electric Utility | Mahoney Lake Hydroelectric | AK | 59027 | GEN 1 | 9.6 | Conventional Hydroelectric | WAT | HY | (P) Planned for installation, but regulatory approvals not initiated | 9.6 |

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 8 | 12653 | GenOn Mid-Atlantic LLC | IPP | Dickerson | MD | 1572 | 2 | 173.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 8 | 12653 | GenOn Mid-Atlantic LLC | IPP | Dickerson | MD | 1572 | 3 | 173.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 8 | 12653 | GenOn Mid-Atlantic LLC | IPP | Dickerson | MD | 1572 | ST1 | 173.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 9 | 2848 | California Institute-Technology | Commercial | California Institute of Technology | CA | 10262 | GEN6 | 9.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2020 | 9 | 11713 | City of Marshall - (MI) | Electric Utility | Marshall (MI) | MI | 1844 | IC2 | 0.9 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 9 | 11713 | City of Marshall - (MI) | Electric Utility | Marshall (MI) | MI | 1844 | IC4 | 0.7 | Petroleum Liquids | DFO | IC |
| 2020 | 9 | 6455 | Duke Energy Florida, LLC | Electric Utility | Avon Park | FL | 624 | P1 | 24.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2020 | 9 | 6455 | Duke Energy Florida, LLC | Electric Utility | Avon Park | FL | 624 | P2 | 24.0 | Petroleum Liquids | DFO | GT |
| 2020 | 9 | 15474 | Public Service Co of Oklahoma | Electric Utility | Oklaunion | TX | 127 | 1 | 650.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 10 | 4385 | Anderson Power Products | Industrial | Anderson Power Products Division | MA | 10553 | 3622 | 0.1 | Petroleum Liquids | DFO | IC |
| 2020 | 10 | 4385 | Anderson Power Products | Industrial | Anderson Power Products Division | MA | 10553 | 6033 | 0.3 | Petroleum Liquids | DFO | IC |
| 2020 | 10 | 4385 | Anderson Power Products | Industrial | Anderson Power Products Division | MA | 10553 | 6035 | 0.3 | Petroleum Liquids | DFO | IC |
| 2020 | 10 | 4385 | Anderson Power Products | Industrial | Anderson Power Products Division | MA | 10553 | 6046 | 0.3 | Petroleum Liquids | DFO | IC |
| 2020 | 10 | 1752 | Biola University | Commercial | Biola University Hybrid | CA | 54296 | EG1 | 0.6 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 1752 | Biola University | Commercial | Biola University Hybrid | CA | 54296 | EG2 | 0.6 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN1 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN2 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN3 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN4 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN5 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN6 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 14173 | Oroville Cogeneration LP | Industrial | Oroville Cogeneration LP | CA | 54477 | GEN7 | 1.1 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 189 | PowerSouth Energy Cooperative | Electric Utility | Charles R Lowman | AL | 56 | 1 | 78.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 10 | 189 | PowerSouth Energy Cooperative | Electric Utility | Charles R Lowman | AL | 56 | 2 | 238.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 10 | 189 | PowerSouth Energy Cooperative | Electric Utility | Charles R Lowman | AL | 56 | 3 | 238.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 10 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG1 | 2.8 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG2 | 2.8 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 10 | 16657 | San Jose/Santa Clara Water P C | Commercial | SJ/SC WPCP | CA | 56080 | EG3 | 2.8 | Natural Gas Internal Combustion Engine | NG | IC |
| 2020 | 12 | 803 | Arizona Public Service Co | Electric Utility | Cholla | AZ | 113 | 4 | 380.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 12 | 17833 | City Utilities of Springfield - (MO) | Electric Utility | James River Power Station | MO | 2161 | 4 | 56.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 12 | 17833 | City Utilities of Springfield - (MO) | Electric Utility | James River Power Station | MO | 2161 | 5 | 97.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 12 | 17828 | City of Springfield - (IL) | Electric Utility | Dallman | IL | 963 | 1 | 73.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 12 | 17828 | City of Springfield - (IL) | Electric Utility | Dallman | IL | 963 | 2 | 70.5 | Conventional Steam Coal | BIT | ST |
| 2020 | 12 | 6452 | Florida Power & Light Co | Electric Utility | Indiantown Cogeneration LP | FL | 50976 | GEN1 | 330.0 | Conventional Steam Coal | BIT | ST |
| 2020 | 12 | 7490 | Grand River Dam Authority | Electric Utility | GREC | OK | 165 | 1 | 40.0 | Natural Gas Steam Turbine | NG | ST |
| 2020 | 12 | 56155 | Lansing Board of Water and Light | Electric Utility | Eckert Station | MI | 1831 | 4 | 64.0 | Conventional Steam Coal | SUB | ST |
| 2020 | 12 | 56155 | Lansing Board of Water and Light | Electric Utility | Eckert Station | MI | 1831 | 5 | 63.1 | Conventional Steam Coal | SUB | ST |
| 2020 | 12 | 56155 | Lansing Board of Water and Light | Electric Utility | Eckert Station | MI | 1831 | 6 | 62.8 | Conventional Steam Coal | SUB | ST |
| 2020 | 12 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 7 | 0.6 | Petroleum Liquids | DFO | IC |
| 2020 | 12 | 58341 | McKinley Paper Co. - Washington Mill | Industrial | McKinley Paper Co. - Washington Mill | WA | 58352 | G-11 | 20.0 | Wood/Wood Waste Biomass | WDS | ST |
| 2020 | 12 | 55269 | NextEra Energy Duane Arnold LLC | IPP | Duane Arnold Energy Center | IA | 1060 | 1 | 601.4 | Nuclear | NUC | ST |
| 2020 | 12 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Cow Creek | CA | 229 | 1 | 0.9 | Conventional Hydroelectric | WAT | HY |
| 2020 | 12 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Cow Creek | CA | 229 | 2 | 0.9 | Conventional Hydroelectric | WAT | HY |
| 2020 | 12 | 19099 | TransAlta Centralia Gen LLC | IPP | Transalta Centralia Generation | WA | 3845 | 1 | 670.0 | Conventional Steam Coal | RC | ST |
| 2020 | 12 | 30151 | Tri-State G & T Assn, Inc | Electric Utility | Escalante | NM | 87 | 1 | 253.0 | Conventional Steam Coal | SUB | ST |
| 2021 | 1 | 3258 | Central Iowa Power Cooperative | Electric Utility | Summit Lake | IA | 1206 | 1 | 6.5 | Natural Gas Fired Combined Cycle | NG | CA |
| 2021 | 1 | 3258 | Central Iowa Power Cooperative | Electric Utility | Summit Lake | IA | 1206 | 2 | 6.5 | Natural Gas Fired Combined Cycle | NG | CA |
| 2021 | 1 | 3258 | Central Iowa Power Cooperative | Electric Utility | Summit Lake | IA | 1206 | 3 | 7.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2021 | 1 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Kilarc | CA | 253 | 1 | 1.6 | Conventional Hydroelectric | WAT | HY |
| 2021 | 1 | 15248 | Portland General Electric Co | Electric Utility | Boardman | OR | 6106 | 1 | 585.0 | Conventional Steam Coal | SUB | ST |
| 2021 | 1 | 61854 | Veolia Energy Operating Service | Electric CHP | Spruance Operating Services LLC | VA | 54081 | GEN1 | 52.5 | Conventional Steam Coal | BIT | ST |
| 2021 | 1 | 61854 | Veolia Energy Operating Service | Electric CHP | Spruance Operating Services LLC | VA | 54081 | GEN2 | 52.5 | Conventional Steam Coal | BIT | ST |
| 2021 | 2 | 11820 | Massachusetts Inst of Tech | Commercial | Mass Inst Tech Cntrl Utilities/Cogen Plt | MA | 54907 | CTG1 | 19.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2021 | 2 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 3A | 0.5 | Petroleum Liquids | DFO | IC |
| 2021 | 2 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 4A | 0.5 | Petroleum Liquids | DFO | IC |
| 2021 | 2 | 12119 | McGrath Light & Power Co | Electric Utility | McGrath | AK | 6555 | 6 | 0.6 | Petroleum Liquids | DFO | IC |
| 2021 | 3 | 12199 | Montana-Dakota Utilities Co | Electric Utility | Lewis & Clark | MT | 6089 | 1 | 53.1 | Conventional Steam Coal | LIG | ST |
| 2021 | 4 | 6028 | Entergy Nuclear Indian Point 3 | IPP | Indian Point 3 | NY | 8907 | 3 | 1,037.9 | Nuclear | NUC | ST |
| 2021 | 5 | 9273 | Indianapolis Power & Light Co | Electric Utility | AES Petersburg | IN | 994 | ST1 | 222.5 | Conventional Steam Coal | BIT | ST |
| 2021 | 5 | 54899 | NAES Corporation - (DE) | IPP | McKee Run | DE | 599 | 3 | 103.1 | Natural Gas Steam Turbine | NG | ST |
| 2021 | 5 | 19876 | Virginia Electric & Power Co | Electric Utility | Possum Point | VA | 3804 | 5 | 786.0 | Petroleum Liquids | RFO | ST |
| 2021 | 6 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | A1 | 3.0 | Petroleum Liquids | DFO | IC |
| 2021 | 6 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | B1 | 3.0 | Petroleum Liquids | DFO | IC |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 6 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | B2 | 3.0 | Petroleum Liquids | DFO | IC |
| 2021 | 6 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | B3 | 2.0 | Petroleum Liquids | DFO | IC |
| 2021 | 6 | 6526 | FirstEnergy Generation Corp | IPP | FirstEnergy W H Sammis | OH | 2866 | B4 | 2.0 | Petroleum Liquids | DFO | IC |
| 2021 | 6 | 6909 | Gainesville Regional Utilities | Electric Utility | John R Kelly | FL | 664 | 8 | 36.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2021 | 6 | 12628 | GenOn Chalk Point, LLC | IPP | Chalk Point LLC | MD | 1571 | ST1 | 333.1 | Conventional Steam Coal | BIT | ST |
| 2021 | 6 | 12628 | GenOn Chalk Point, LLC | IPP | Chalk Point LLC | MD | 1571 | ST2 | 336.9 | Conventional Steam Coal | BIT | ST |
| 2021 | 6 | 14232 | Otter Tail Power Co | Electric Utility | Hoot Lake | MN | 1943 | 2 | 58.0 | Conventional Steam Coal | SUB | ST |
| 2021 | 6 | 14232 | Otter Tail Power Co | Electric Utility | Hoot Lake | MN | 1943 | 3 | 80.0 | Conventional Steam Coal | SUB | ST |
| 2021 | 6 | 14232 | Otter Tail Power Co | Electric Utility | Hoot Lake | MN | 1943 | D1 | 0.2 | Petroleum Liquids | DFO | IC |
| 2021 | 6 | 14232 | Otter Tail Power Co | Electric Utility | Hoot Lake | MN | 1943 | D2 | 0.1 | Petroleum Liquids | DFO | IC |
| 2021 | 6 | 15452 | PSEG Power Connecticut LLC | IPP | Bridgeport Station | CT | 568 | 3 | 383.4 | Conventional Steam Coal | SUB | ST |
| 2021 | 6 | 20712 | Snowbird Corporation | Commercial | Snowbird Power Plant | UT | 10215 | 1367 | 0.6 | Natural Gas Internal Combustion Engine | NG | IC |
| 2021 | 6 | 20712 | Snowbird Corporation | Commercial | Snowbird Power Plant | UT | 10215 | 1391 | 0.6 | Natural Gas Internal Combustion Engine | NG | IC |
| 2021 | 6 | 20712 | Snowbird Corporation | Commercial | Snowbird Power Plant | UT | 10215 | 1392 | 0.6 | Natural Gas Internal Combustion Engine | NG | IC |
| 2021 | 7 | 18301 | City of Sumner - (IA) | Electric Utility | Sumner | IA | 1191 | 1 | 2.6 | Petroleum Liquids | DFO | IC |
| 2021 | 7 | 18301 | City of Sumner - (IA) | Electric Utility | Sumner | IA | 1191 | 2 | 1.1 | Petroleum Liquids | DFO | IC |
| 2021 | 7 | 18301 | City of Sumner - (IA) | Electric Utility | Sumner | IA | 1191 | 6 | 1.8 | Petroleum Liquids | DFO | IC |
| 2021 | 8 | 7080 | Aclara Meters LLC | Industrial | General Electric Great Falls Upper Hydro | NH | 10059 | 1575 | 1.6 | Conventional Hydroelectric | WAT | HY |
| 2021 | 8 | 7080 | Aclara Meters LLC | Industrial | General Electric Great Falls Upper Hydro | NH | 10059 | 500 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2021 | 9 | 55951 | Exelon Nuclear | IPP | Byron Generating Station | IL | 6023 | 1 | 1,164.0 | Nuclear | NUC | ST |
| 2021 | 9 | 55951 | Exelon Nuclear | IPP | Byron Generating Station | IL | 6023 | 2 | 1,136.0 | Nuclear | NUC | ST |
| 2021 | 9 | 17166 | Sierra Pacific Power Co | Electric Utility | Fort Churchill | NV | 2330 | 2 | 113.0 | Natural Gas Steam Turbine | NG | ST |
| 2021 | 11 | 55951 | Exelon Nuclear | IPP | Dresden Generating Station | IL | 869 | 2 | 902.0 | Nuclear | NUC | ST |
| 2021 | 11 | 55951 | Exelon Nuclear | IPP | Dresden Generating Station | IL | 869 | 3 | 895.0 | Nuclear | NUC | ST |
| 2021 | 11 | 18454 | Tampa Electric Co | Electric Utility | Big Bend | FL | 645 | ST2 | 385.0 | Conventional Steam Coal | BIT | ST |
| 2021 | 11 | 60538 | Vitro Architectural Glass | Industrial | Works 4 | TX | 54364 | L2G | 2.0 | Petroleum Liquids | DFO | IC |
| 2021 | 12 | 4716 | Dairyland Power Coop | Electric Utility | Genoa | WI | 4143 | ST3 | 307.5 | Conventional Steam Coal | SUB | ST |
| 2021 | 12 | 9417 | Interstate Power and Light Co | Electric Utility | Burlington (IA) | IA | 1104 | 1 | 205.3 | Conventional Steam Coal | SUB | ST |
| 2021 | 12 | 11479 | Madison Gas & Electric Co | Electric Utility | Fitchburg | WI | 3991 | 1 | 16.6 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2021 | 12 | 11479 | Madison Gas & Electric Co | Electric Utility | Fitchburg | WI | 3991 | 2 | 15.8 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2021 | 12 | 11479 | Madison Gas & Electric Co | Electric Utility | Nine Springs | WI | 9674 | GT1 | 12.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2021 | 12 | 11479 | Madison Gas & Electric Co | Electric Utility | Sycamore (WI) | WI | 3993 | 1 | 11.4 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2021 | 12 | 11479 | Madison Gas & Electric Co | Electric Utility | Sycamore (WI) | WI | 3993 | 2 | 16.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2021 | 12 | 60558 | Rock County Energy Center, LLC | IPP | Minwind 3-9 | MN | 56123 | 1 | 11.6 | Onshore Wind Turbine | WND | WT |
| 2021 | 12 | 16534 | Sacramento Municipal Util Dist | Electric Utility | White Rock/Slab Creek | CA | 435 | H4 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2021 | 12 | 17166 | Sierra Pacific Power Co | Electric Utility | North Valmy | NV | 8224 | 1 | 254.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 1 | 59409 | Eco Services Corp. | Industrial | Houston Plant | TX | 52065 | GEN2 | 1.5 | All Other | WH | ST |
| 2022 | 3 | 12199 | Montana-Dakota Utilities Co | Electric Utility | R M Heskett | ND | 2790 | 1 | 29.5 | Conventional Steam Coal | LIG | ST |
| 2022 | 3 | 12199 | Montana-Dakota Utilities Co | Electric Utility | R M Heskett | ND | 2790 | 2 | 74.8 | Conventional Steam Coal | LIG | ST |
| 2022 | 3 | 60538 | Vitro Architectural Glass | Industrial | Works 4 | TX | 54364 | L1G | 2.0 | Petroleum Liquids | DFO | IC |
| 2022 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Manatee | FL | 6042 | 1 | 809.0 | Petroleum Liquids | RFO | ST |
| 2022 | 4 | 6452 | Florida Power & Light Co | Electric Utility | Manatee | FL | 6042 | 2 | 809.0 | Petroleum Liquids | RFO | ST |
| 2022 | 5 | 5109 | DTE Electric Company | Electric Utility | River Rouge | MI | 1740 | 3 | 272.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 5 | 5109 | DTE Electric Company | Electric Utility | St Clair | MI | 1743 | 2 | 154.0 | Conventional Steam Coal | RC | ST |
| 2022 | 5 | 5109 | DTE Electric Company | Electric Utility | St Clair | MI | 1743 | 3 | 160.0 | Conventional Steam Coal | RC | ST |
| 2022 | 5 | 5109 | DTE Electric Company | Electric Utility | St Clair | MI | 1743 | 6 | 311.0 | Conventional Steam Coal | RC | ST |
| 2022 | 5 | 5109 | DTE Electric Company | Electric Utility | St Clair | MI | 1743 | 7 | 440.0 | Conventional Steam Coal | RC | ST |
| 2022 | 5 | 5109 | DTE Electric Company | Electric Utility | Trenton Channel | MI | 1745 | 9 | 495.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 5 | 61013 | Northern Westchester Hospital | Commercial | Northern Westchester Hospital | NY | 61378 | 4 | 0.8 | Petroleum Liquids | DFO | IC |
| 2022 | 5 | 61013 | Northern Westchester Hospital | Commercial | Northern Westchester Hospital | NY | 61378 | 5 | 0.8 | Petroleum Liquids | DFO | IC |
| 2022 | 6 | 23279 | Allegheny Energy Supply Co LLC | IPP | FirstEnergy Pleasants Power Station | WV | 6004 | 1 | 644.0 | Conventional Steam Coal | RC | ST |
| 2022 | 6 | 23279 | Allegheny Energy Supply Co LLC | IPP | FirstEnergy Pleasants Power Station | WV | 6004 | 2 | 644.0 | Conventional Steam Coal | RC | ST |
| 2022 | 6 | 11241 | Entergy Louisiana LLC | Electric Utility | Sterlington | LA | 1404 | 7A | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2022 | 6 | 56192 | Entergy Nuclear Palisades LLC | IPP | Palisades | MI | 1715 | 1 | 771.6 | Nuclear | NUC | ST |
| 2022 | 6 | 55937 | Entergy Texas Inc. | Electric Utility | Sabine | TX | 3459 | 1 | 211.6 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 6 | 9210 | International Paper Co-Riegelwood | Industrial | International Paper Riegelwood Mill | NC | 54656 | NO 1 | 7.8 | Wood/Wood Waste Biomass | BLQ | ST |
| 2022 | 6 | 14584 | Pawtucket Power Associates LP | IPP | Pawtucket Power Associates | RI | 54056 | GEN1 | 33.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | San Juan | NM | 2451 | 1 | 340.0 | Conventional Steam Coal | RC | ST |
| 2022 | 6 | 15473 | Public Service Co of NM | Electric Utility | San Juan | NM | 2451 | 4 | 507.0 | Conventional Steam Coal | RC | ST |
| 2022 | 8 | 60791 | Monroe County (NY) | Commercial | Iola Powerhouse & Cogeneration Facility | NY | 62424 | 1 | 1.4 | Natural Gas Internal Combustion Engine | NG | IC |
| 2022 | 8 | 60791 | Monroe County (NY) | Commercial | Iola Powerhouse & Cogeneration Facility | NY | 62424 | 2 | 1.4 | Natural Gas Internal Combustion Engine | NG | IC |
| 2022 | 8 | 60791 | Monroe County (NY) | Commercial | Iola Powerhouse & Cogeneration Facility | NY | 62424 | 3 | 1.4 | Natural Gas Internal Combustion Engine | NG | IC |
| 2022 | 9 | 17718 | Southwestern Public Service Co | Electric Utility | Plant X | TX | 3485 | 2 | 90.0 | Natural Gas Steam Turbine | NG | ST |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2022 | 10 | 7570 | Great River Energy | Electric Utility | Coal Creek | ND | 6030 | 1 | 565.7 | Conventional Steam Coal | RC | ST |
| 2022 | 10 | 7570 | Great River Energy | Electric Utility | Coal Creek | ND | 6030 | 2 | 580.5 | Conventional Steam Coal | RC | ST |
| 2022 | 10 | 7570 | Great River Energy | Electric Utility | Coal Creek | ND | 6030 | 4 | 3.0 | Petroleum Liquids | DFO | IC |
| 2022 | 10 | 7570 | Great River Energy | Electric Utility | Coal Creek | ND | 6030 | 5 | 3.0 | Petroleum Liquids | DFO | IC |
| 2022 | 12 | 3989 | City of Colorado Springs - (CO) | Electric Utility | Martin Drake | CO | 492 | 6 | 77.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 12 | 3989 | City of Colorado Springs - (CO) | Electric Utility | Martin Drake | CO | 492 | 7 | 131.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 12 | 15470 | Duke Energy Indiana, LLC | Electric Utility | R Gallagher | IN | 1008 | 2 | 140.0 | Conventional Steam Coal | BIT | ST |
| 2022 | 12 | 15470 | Duke Energy Indiana, LLC | Electric Utility | R Gallagher | IN | 1008 | 4 | 140.0 | Conventional Steam Coal | BIT | ST |
| 2022 | 12 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | 1 | 76.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | 2 | 76.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 5701 | El Paso Electric Co | Electric Utility | Rio Grande | NM | 2444 | 6 | 45.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 5701 | El Paso Electric Co | Electric Utility | Rio Grande | NM | 2444 | 7 | 46.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 6909 | Gainesville Regional Utilities | Electric Utility | Deerhaven Generating Station | FL | 663 | 1 | 75.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | French Island | WI | 4005 | 3 | 61.0 | Petroleum Liquids | DFO | GT |
| 2022 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | French Island | WI | 4005 | 4 | 61.0 | Petroleum Liquids | DFO | GT |
| 2022 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Sherburne County | MN | 6090 | 2 | 682.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Comanche (CO) | CO | 470 | 1 | 325.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Cunningham | NM | 2454 | 1 | 71.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Nichols | TX | 3484 | 1 | 107.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Plant X | TX | 3485 | 1 | 38.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 19436 | Union Electric Co - (MO) | Electric Utility | Meramec | MO | 2104 | 1 | 118.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 19436 | Union Electric Co - (MO) | Electric Utility | Meramec | MO | 2104 | 2 | 118.0 | Natural Gas Steam Turbine | NG | ST |
| 2022 | 12 | 19436 | Union Electric Co - (MO) | Electric Utility | Meramec | MO | 2104 | 3 | 260.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 12 | 19436 | Union Electric Co - (MO) | Electric Utility | Meramec | MO | 2104 | 4 | 334.0 | Conventional Steam Coal | SUB | ST |
| 2022 | 12 | 20856 | Wisconsin Power & Light Co | Electric Utility | Edgewater | WI | 4050 | 5 | 413.6 | Conventional Steam Coal | SUB | ST |
| 2023 | 1 | 11135 | City of Logan - (UT) | Electric Utility | Hydro III | UT | 3675 | HY1 | 0.7 | Conventional Hydroelectric | WAT | HY |
| 2023 | 1 | 11135 | City of Logan - (UT) | Electric Utility | Hydro III | UT | 3675 | HY2 | 0.7 | Conventional Hydroelectric | WAT | HY |
| 2023 | 1 | 57301 | Orchard Mesa Irrigation District | Electric Utility | Grand Valley Project Power Plant | CO | 473 | 1 | 1.5 | Conventional Hydroelectric | WAT | HY |
| 2023 | 1 | 61956 | South Nassau Communities Hospital | Commercial | Mount Sinai South Nassau | NY | 62447 | 1 | 1.1 | Petroleum Liquids | DFO | IC |
| 2023 | 1 | 61956 | South Nassau Communities Hospital | Commercial | Mount Sinai South Nassau | NY | 62447 | 2 | 0.8 | Petroleum Liquids | DFO | IC |
| 2023 | 1 | 61956 | South Nassau Communities Hospital | Commercial | Mount Sinai South Nassau | NY | 62447 | 3 | 1.0 | Petroleum Liquids | DFO | IC |
| 2023 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Chesterfield | VA | 3797 | 5 | 336.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Chesterfield | VA | 3797 | 6 | 670.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Yorktown | VA | 3809 | 3 | 790.0 | Petroleum Liquids | RFO | ST |
| 2023 | 3 | 50129 | Georgia-Pacific Cons Op LLC Port Hudson | Industrial | Georgia-Pacific Port Hudson | LA | 10612 | GEN2 | 60.0 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 3 | 13399 | Nevada Cogeneration Assoc # 1 | Electric CHP | Nevada Cogen Assoc#1 GarnetVly | NV | 54350 | GTA | 20.5 | Natural Gas Fired Combined Cycle | NG | CT |
| 2023 | 3 | 13399 | Nevada Cogeneration Assoc # 1 | Electric CHP | Nevada Cogen Assoc#1 GarnetVly | NV | 54350 | GTB | 20.5 | Natural Gas Fired Combined Cycle | NG | CT |
| 2023 | 3 | 13399 | Nevada Cogeneration Assoc # 1 | Electric CHP | Nevada Cogen Assoc#1 GarnetVly | NV | 54350 | GTC | 20.5 | Natural Gas Fired Combined Cycle | NG | CT |
| 2023 | 3 | 13399 | Nevada Cogeneration Assoc # 1 | Electric CHP | Nevada Cogen Assoc#1 GarnetVly | NV | 54350 | STM | 24.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2023 | 3 | 13365 | Nevada Cogeneration Assoc # 2 | Electric CHP | Nevada Cogen Associates 2 Black Mountain | NV | 54349 | GTA | 21.7 | Natural Gas Fired Combined Cycle | NG | CT |
| 2023 | 3 | 13365 | Nevada Cogeneration Assoc # 2 | Electric CHP | Nevada Cogen Associates 2 Black Mountain | NV | 54349 | GTB | 21.7 | Natural Gas Fired Combined Cycle | NG | CT |
| 2023 | 3 | 13365 | Nevada Cogeneration Assoc # 2 | Electric CHP | Nevada Cogen Associates 2 Black Mountain | NV | 54349 | GTC | 21.7 | Natural Gas Fired Combined Cycle | NG | CT |
| 2023 | 3 | 13365 | Nevada Cogeneration Assoc # 2 | Electric CHP | Nevada Cogen Associates 2 Black Mountain | NV | 54349 | STM | 28.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2023 | 5 | 4254 | Consumers Energy Co | Electric Utility | Dan E Karn | MI | 1702 | 1A | 127.5 | Conventional Steam Coal | SUB | ST |
| 2023 | 5 | 4254 | Consumers Energy Co | Electric Utility | Dan E Karn | MI | 1702 | 1B | 127.5 | Conventional Steam Coal | SUB | ST |
| 2023 | 5 | 4254 | Consumers Energy Co | Electric Utility | Dan E Karn | MI | 1702 | 2A | 126.5 | Conventional Steam Coal | SUB | ST |
| 2023 | 5 | 4254 | Consumers Energy Co | Electric Utility | Dan E Karn | MI | 1702 | 2B | 126.5 | Conventional Steam Coal | SUB | ST |
| 2023 | 5 | 9267 | Hoosier Energy R E C, Inc | Electric Utility | Merom | IN | 6213 | 1 | 497.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 5 | 9267 | Hoosier Energy R E C, Inc | Electric Utility | Merom | IN | 6213 | 2 | 494.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 5 | 9273 | Indianapolis Power & Light Co | Electric Utility | AES Petersburg | IN | 994 | ST2 | 421.8 | Conventional Steam Coal | BIT | ST |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 2-1 | 35.6 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 2-2 | 34.2 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 2-3 | 36.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 2-4 | 35.1 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 3-1 | 34.6 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 3-2 | 35.2 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 3-3 | 34.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 3-4 | 36.1 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 4-1 | 31.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 4-2 | 33.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 4-3 | 34.1 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 5 | 13582 | NRG Astoria Gas Turbine Operations Inc | IPP | Astoria Gas Turbines | NY | 55243 | 4-4 | 33.3 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 6 | 18488 | City of Taunton | Electric Utility | Cleary Flood Hybrid | MA | 1682 | 8 | 26.0 | Petroleum Liquids | RFO | ST |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | 6 | 12685 | Entergy Mississippi LLC | Electric Utility | Baxter Wilson | MS | 2050 | 1 | 494.3 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 6 | 13756 | Northern Indiana Pub Serv Co | Electric Utility | R M Schahfer | IN | 6085 | 14 | 431.0 | Conventional Steam Coal | SUB | ST |
| 2023 | 6 | 13756 | Northern Indiana Pub Serv Co | Electric Utility | R M Schahfer | IN | 6085 | 15 | 472.0 | Conventional Steam Coal | SUB | ST |
| 2023 | 6 | 13756 | Northern Indiana Pub Serv Co | Electric Utility | R M Schahfer | IN | 6085 | 17 | 361.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 6 | 13756 | Northern Indiana Pub Serv Co | Electric Utility | R M Schahfer | IN | 6085 | 18 | 361.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 9 | 17166 | Sierra Pacific Power Co | Electric Utility | Brunswick | NV | 6510 | 1 | 2.0 | Petroleum Liquids | DFO | IC |
| 2023 | 9 | 17166 | Sierra Pacific Power Co | Electric Utility | Brunswick | NV | 6510 | 2 | 2.0 | Petroleum Liquids | DFO | IC |
| 2023 | 9 | 17166 | Sierra Pacific Power Co | Electric Utility | Brunswick | NV | 6510 | 3 | 2.0 | Petroleum Liquids | DFO | IC |
| 2023 | 11 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Cornell | WI | 6086 | 1 | 6.2 | Conventional Hydroelectric | WAT | HY |
| 2023 | 11 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Cornell | WI | 6086 | 2 | 6.4 | Conventional Hydroelectric | WAT | HY |
| 2023 | 11 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Cornell | WI | 6086 | 3 | 6.9 | Conventional Hydroelectric | WAT | HY |
| 2023 | 11 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Cornell | WI | 6086 | 4 | 0.4 | Conventional Hydroelectric | WAT | HY |
| 2023 | 12 | 17828 | City of Springfield - (IL) | Electric Utility | Dallman | IL | 963 | 3 | 177.7 | Conventional Steam Coal | BIT | ST |
| 2023 | 12 | 15908 | GenOn California South, LP | IPP | Ellwood | CA | 8076 | 01 | 54.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2023 | 12 | 15908 | GenOn California South, LP | IPP | Ormond Beach | CA | 350 | 1 | 741.0 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 12 | 15908 | GenOn California South, LP | IPP | Ormond Beach | CA | 350 | 2 | 750.0 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Blue Lake | MN | 8027 | 1 | 39.0 | Petroleum Liquids | DFO | GT |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Blue Lake | MN | 8027 | 2 | 39.0 | Petroleum Liquids | DFO | GT |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Blue Lake | MN | 8027 | 3 | 36.0 | Petroleum Liquids | DFO | GT |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Blue Lake | MN | 8027 | 4 | 39.0 | Petroleum Liquids | DFO | GT |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | French Island | WI | 4005 | 1 | 9.0 | Wood/Wood Waste Biomass | WDS | ST |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | French Island | WI | 4005 | 2 | 7.0 | Wood/Wood Waste Biomass | WDS | ST |
| 2023 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Laverne Battery | MN | 58579 | 1 | 1.0 | Batteries | MWH | BA |
| 2023 | 12 | 14063 | Oklahoma Gas & Electric Co | Electric Utility | Horseshoe Lake | OK | 2951 | 6 | 163.0 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 12 | 14127 | Omaha Public Power District | Electric Utility | North Omaha | NE | 2291 | 1 | 64.8 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 12 | 14127 | Omaha Public Power District | Electric Utility | North Omaha | NE | 2291 | 2 | 90.8 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 12 | 14127 | Omaha Public Power District | Electric Utility | North Omaha | NE | 2291 | 3 | 86.0 | Natural Gas Steam Turbine | NG | ST |
| 2023 | 12 | 17633 | Southern Indiana Gas & Elec Co | Electric Utility | A B Brown | IN | 6137 | 1 | 245.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 12 | 17633 | Southern Indiana Gas & Elec Co | Electric Utility | A B Brown | IN | 6137 | 2 | 245.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 12 | 17633 | Southern Indiana Gas & Elec Co | Electric Utility | F B Culley | IN | 1012 | 2 | 90.0 | Conventional Steam Coal | BIT | ST |
| 2023 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Nichols | TX | 3484 | 2 | 106.0 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 1 | 335 | Air Liquide Large Industries U.S. LP | Industrial | Geismar Cogen | LA | 56787 | GTG | 72.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 11843 | Maui Electric Co Ltd | Electric Utility | Kahului | HI | 6056 | 1 | 4.7 | Petroleum Liquids | RFO | ST |
| 2024 | 1 | 11843 | Maui Electric Co Ltd | Electric Utility | Kahului | HI | 6056 | 2 | 4.8 | Petroleum Liquids | RFO | ST |
| 2024 | 1 | 11843 | Maui Electric Co Ltd | Electric Utility | Kahului | HI | 6056 | 3 | 11.0 | Petroleum Liquids | RFO | ST |
| 2024 | 1 | 11843 | Maui Electric Co Ltd | Electric Utility | Kahului | HI | 6056 | 4 | 11.9 | Petroleum Liquids | RFO | ST |
| 2024 | 1 | 54888 | NRG Texas Power LLC | IPP | Greens Bayou | TX | 3464 | 73 | 54.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 54888 | NRG Texas Power LLC | IPP | Greens Bayou | TX | 3464 | 74 | 54.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 54888 | NRG Texas Power LLC | IPP | Greens Bayou | TX | 3464 | 81 | 54.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 54888 | NRG Texas Power LLC | IPP | Greens Bayou | TX | 3464 | 82 | 50.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 54888 | NRG Texas Power LLC | IPP | Greens Bayou | TX | 3464 | 83 | 64.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 54888 | NRG Texas Power LLC | IPP | Greens Bayou | TX | 3464 | 84 | 54.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 1 | 18642 | Tennessee Valley Authority | Electric Utility | Bull Run | TN | 3396 | 1 | 870.0 | Conventional Steam Coal | BIT | ST |
| 2024 | 6 | 11241 | Entergy Louisiana LLC | Electric Utility | Waterford 1 & 2 | LA | 8056 | 2 | 417.3 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 7 | 1951 | White Pine Electric Power LLC | IPP | White Pine Electric Power | MI | 10148 | GEN3 | 18.0 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 11 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Diablo Canyon | CA | 6099 | 1 | 1,122.0 | Nuclear | NUC | ST |
| 2024 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | J T Deely | TX | 6181 | 1 | 420.0 | Conventional Steam Coal | SUB | ST |
| 2024 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | J T Deely | TX | 6181 | 2 | 420.0 | Conventional Steam Coal | SUB | ST |
| 2024 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | V H Braunig | TX | 3612 | 1 | 217.0 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | V H Braunig | TX | 3612 | 2 | 230.0 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | V H Braunig | TX | 3612 | 3 | 412.0 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | G G Allen | NC | 2718 | 1 | 162.0 | Conventional Steam Coal | BIT | ST |
| 2024 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | G G Allen | NC | 2718 | 2 | 162.0 | Conventional Steam Coal | BIT | ST |
| 2024 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | G G Allen | NC | 2718 | 3 | 258.0 | Conventional Steam Coal | BIT | ST |
| 2024 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | G G Allen | NC | 2718 | 4 | 257.0 | Conventional Steam Coal | BIT | ST |
| 2024 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | G G Allen | NC | 2718 | 5 | 259.0 | Conventional Steam Coal | BIT | ST |
| 2024 | 12 | 56211 | Evergy Missouri West | Electric Utility | Kansas City International | MO | 6144 | 1 | 16.7 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 12 | 56211 | Evergy Missouri West | Electric Utility | Kansas City International | MO | 6144 | 2 | 16.9 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2024 | 12 | 56211 | Evergy Missouri West | Electric Utility | Lake Road (MO) | MO | 2098 | 4 | 97.1 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 12 | 11208 | Los Angeles Department of Water & Power | Electric Utility | Scattergood | CA | 404 | 1 | 111.8 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 12 | 11208 | Los Angeles Department of Water & Power | Electric Utility | Scattergood | CA | 404 | 2 | 156.3 | Natural Gas Steam Turbine | NG | ST |
| 2024 | 12 | 12384 | Midwest Generations EME LLC | IPP | Will County | IL | 884 | 4 | 510.0 | Conventional Steam Coal | SUB | ST |
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Apple River | WI | 6231 | 1 | 0.4 | Conventional Hydroelectric | WAT | HY |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Apple River | WI | 6231 | 3 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Apple River | WI | 6231 | 4 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Saxon Falls | WI | 1756 | 1 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Saxon Falls | WI | 1756 | 2 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Superior Falls | MI | 1757 | 1 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2024 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Superior Falls | MI | 1757 | 2 | 0.5 | Conventional Hydroelectric | WAT | HY |
| 2024 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Plant X | TX | 3485 | 3 | 93.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 1 | 17568 | Cooperative Energy | Electric Utility | Moselle | MS | 2070 | 3 | 59.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 1 | 169.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 2 | 169.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 3 | 273.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 4 | 552.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 4 | 7801 | Gulf Power Co | Electric Utility | Pea Ridge | FL | 7715 | 1 | 4.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 4 | 7801 | Gulf Power Co | Electric Utility | Pea Ridge | FL | 7715 | 2 | 4.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 4 | 7801 | Gulf Power Co | Electric Utility | Pea Ridge | FL | 7715 | 3 | 4.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 5 | 58435 | Collinwood BioEnergy | Industrial | Collinwood BioEnergy Facility | OH | 58439 | CBE01 | 1.0 | Other Waste Biomass | OBG | IC |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 10wt | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 11wt | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 12wt | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 13WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 14wt | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 15WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 16WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 17WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 1WT | 0.6 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 2WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 3WT | 0.2 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 4WT | 0.5 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 5WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 6WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 7WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 8WT | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 5 | 10451 | Kotzebue Electric Assn Inc | Electric Utility | Kotzebue Hybrid | AK | 6304 | 9wt | 0.1 | Onshore Wind Turbine | WND | WT |
| 2025 | 6 | 814 | Entergy Arkansas LLC | Electric Utility | Lake Catherine | AR | 170 | 4 | 522.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 7 | 13781 | Northern States Power Co - Minnesota | Electric Utility | White River (WI) | WI | 3989 | 1 | 0.2 | Conventional Hydroelectric | WAT | HY |
| 2025 | 7 | 13781 | Northern States Power Co - Minnesota | Electric Utility | White River (WI) | WI | 3989 | 2 | 0.2 | Conventional Hydroelectric | WAT | HY |
| 2025 | 8 | 14328 | Pacific Gas & Electric Co. | Electric Utility | Diablo Canyon | CA | 6099 | 2 | 1,118.0 | Nuclear | NUC | ST |
| 2025 | 9 | 17166 | Sierra Pacific Power Co | Electric Utility | Fort Churchill | NV | 2330 | 1 | 113.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 11 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Trego | WI | 4012 | 1 | 0.4 | Conventional Hydroelectric | WAT | HY |
| 2025 | 11 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Trego | WI | 4012 | 2 | 0.3 | Conventional Hydroelectric | WAT | HY |
| 2025 | 12 | 9417 | Interstate Power and Light Co | Electric Utility | Prairie Creek | IA | 1073 | 1 | 2.9 | Conventional Steam Coal | SUB | ST |
| 2025 | 12 | 9417 | Interstate Power and Light Co | Electric Utility | Prairie Creek | IA | 1073 | 3 | 25.8 | Conventional Steam Coal | SUB | ST |
| 2025 | 12 | 56155 | Lansing Board of Water and Light | Electric Utility | Erickson Station | MI | 1832 | 1 | 154.5 | Conventional Steam Coal | SUB | ST |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Angus Anson | SD | 7237 | 1 | 90.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Angus Anson | SD | 7237 | 2 | 90.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Sherburne County | MN | 6090 | 1 | 680.0 | Conventional Steam Coal | SUB | ST |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wheaton | WI | 4014 | 1 | 44.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wheaton | WI | 4014 | 2 | 51.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wheaton | WI | 4014 | 3 | 44.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wheaton | WI | 4014 | 4 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wheaton | WI | 4014 | 6 | 48.0 | Petroleum Liquids | DFO | GT |
| 2025 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Comanche (CO) | CO | 470 | 2 | 335.0 | Conventional Steam Coal | SUB | ST |
| 2025 | 12 | 17166 | Sierra Pacific Power Co | Electric Utility | North Valmy | NV | 8224 | 2 | 268.0 | Conventional Steam Coal | SUB | ST |
| 2025 | 12 | 17698 | Southwestern Electric Power Co | Electric Utility | Arsenal Hill | LA | 1416 | 5 | 110.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Cunningham | NM | 2454 | 2 | 183.0 | Natural Gas Steam Turbine | NG | ST |
| 2025 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Maddox | NM | 2446 | 2 | 61.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Maddox | NM | 2446 | 3 | 10.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2025 | 12 | 19099 | TransAlta Centralia Gen LLC | IPP | Transalta Centralia Generation | WA | 3845 | 2 | 670.0 | Conventional Steam Coal | RC | ST |
| 2025 | 12 | 30151 | Tri-State G & T Assn, Inc | Electric Utility | Craig (CO) | CO | 6021 | 1 | 427.0 | Conventional Steam Coal | SUB | ST |
| 2026 | 6 | 11241 | Entergy Louisiana LLC | Electric Utility | Little Gypsy | LA | 1402 | 2 | 415.0 | Natural Gas Steam Turbine | NG | ST |
| 2026 | 6 | 55937 | Entergy Texas Inc. | Electric Utility | Sabine | TX | 3459 | 3 | 359.0 | Natural Gas Steam Turbine | NG | ST |
| 2026 | 6 | 55937 | Entergy Texas Inc. | Electric Utility | Sabine | TX | 3459 | 4 | 512.5 | Natural Gas Steam Turbine | NG | ST |
| 2026 | 6 | 9417 | Interstate Power and Light Co | Electric Utility | Burlington (IA) | IA | 1104 | GT1 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2026 | 6 | 9417 | Interstate Power and Light Co | Electric Utility | Burlington (IA) | IA | 1104 | GT2 | 12.7 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 6 | 9417 | Interstate Power and Light Co | Electric Utility | Burlington (IA) | IA | 1104 | GT3 | 13.7 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 6 | 9417 | Interstate Power and Light Co | Electric Utility | Burlington (IA) | IA | 1104 | GT4 | 5.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 10 | 6909 | Gainesville Regional Utilities | Electric Utility | Deerhaven Generating Station | FL | 663 | GT1 | 17.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 10 | 6909 | Gainesville Regional Utilities | Electric Utility | Deerhaven Generating Station | FL | 663 | GT2 | 17.5 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | O W Sommers | TX | 3611 | 1 | 420.0 | Natural Gas Steam Turbine | NG | ST |
| 2026 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | James E. Rogers Energy Complex | NC | 2721 | 5 | 544.0 | Conventional Steam Coal | BIT | ST |
| 2026 | 12 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | 3 | 95.0 | Natural Gas Steam Turbine | NG | ST |
| 2026 | 12 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | 4 | 89.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2026 | 12 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | CT1 | 69.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2026 | 12 | 5701 | El Paso Electric Co | Electric Utility | Newman | TX | 3456 | CT2 | 69.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2026 | 12 | 5860 | Empire District Electric Co | Electric Utility | Empire Energy Center | MO | 6223 | 1 | 78.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 5860 | Empire District Electric Co | Electric Utility | Empire Energy Center | MO | 6223 | 2 | 78.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 56997 | Marina Energy LLC | IPP | L'Oreal Piscataway | NJ | 57868 | UNIT1 | 0.8 | Solar Photovoltaic | SUN | PV |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 1 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 2 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 3 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 4 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 5 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 6 | 47.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 7 | 1.8 | Petroleum Liquids | DFO | GT |
| 2026 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Inver Hills | MN | 1913 | 8 | 1.8 | Petroleum Liquids | DFO | GT |
| 2026 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Alamosa | CO | 464 | CT1 | 13.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Alamosa | CO | 464 | CT2 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Fort Lupton | CO | 8067 | 1 | 44.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Fort Lupton | CO | 8067 | 2 | 44.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Fruita | CO | 471 | 1 | 14.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2026 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Valmont | CO | 477 | 6 | 43.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2027 | 1 | 14354 | PacifiCorp | Electric Utility | Dave Johnston | WY | 4158 | 3 | 220.0 | Conventional Steam Coal | SUB | ST |
| 2027 | 2 | 56997 | Marina Energy LLC | IPP | Heller Industrial Parks | NJ | 57869 | HH | 0.5 | Solar Photovoltaic | SUN | PV |
| 2027 | 2 | 56997 | Marina Energy LLC | IPP | Heller Industrial Parks | NJ | 57869 | HII | 0.4 | Solar Photovoltaic | SUN | PV |
| 2027 | 2 | 56997 | Marina Energy LLC | IPP | Heller Industrial Parks | NJ | 57869 | HJC | 0.2 | Solar Photovoltaic | SUN | PV |
| 2027 | 2 | 56997 | Marina Energy LLC | IPP | Heller Industrial Parks | NJ | 57869 | UNIT1 | 2.7 | Solar Photovoltaic | SUN | PV |
| 2027 | 4 | 5695 | Desert Star Energy Center SDG&E | Electric Utility | Desert Star Energy Center | NV | 55077 | ED01 | 150.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2027 | 4 | 5695 | Desert Star Energy Center SDG&E | Electric Utility | Desert Star Energy Center | NV | 55077 | ED02 | 150.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2027 | 4 | 5695 | Desert Star Energy Center SDG&E | Electric Utility | Desert Star Energy Center | NV | 55077 | ED03 | 150.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2027 | 6 | 11208 | Los Angeles Department of Water & Power | Electric Utility | Intermountain Power Project | UT | 6481 | 1 | 900.0 | Conventional Steam Coal | BIT | ST |
| 2027 | 6 | 11208 | Los Angeles Department of Water & Power | Electric Utility | Intermountain Power Project | UT | 6481 | 2 | 900.0 | Conventional Steam Coal | BIT | ST |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Red Wing | MN | 1926 | 1 | 9.0 | Municipal Solid Waste | MSW | ST |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Red Wing | MN | 1926 | 2 | 9.0 | Municipal Solid Waste | MSW | ST |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 1 | 1.8 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 2 | 1.8 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 3 | 1.9 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 4 | 1.9 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 5 | 2.0 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 6 | 1.9 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 7 | 2.0 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | St Croix Falls | WI | 4011 | 8 | 1.9 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wilmarth | MN | 1934 | 1 | 9.0 | Municipal Solid Waste | MSW | ST |
| 2027 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Wilmarth | MN | 1934 | 2 | 9.0 | Municipal Solid Waste | MSW | ST |
| 2027 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Cherokee | CO | 469 | 4 | 310.0 | Natural Gas Steam Turbine | NG | ST |
| 2027 | 12 | 15466 | Public Service Co of Colorado | Electric Utility | Salida | CO | 474 | 2 | 0.6 | Conventional Hydroelectric | WAT | HY |
| 2027 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Plant X | TX | 3485 | 4 | 190.0 | Natural Gas Steam Turbine | NG | ST |
| 2028 | 1 | 56997 | Marina Energy LLC | IPP | Freeze Solar | NJ | 60759 | PV1 | 1.5 | Solar Photovoltaic | SUN | PV |
| 2028 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Altavista Power Station | VA | 10773 | 1 | 51.0 | Wood/Wood Waste Biomass | WDS | ST |
| 2028 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Hopewell Power Station | VA | 10771 | 1 | 51.0 | Wood/Wood Waste Biomass | WDS | ST |
| 2028 | 1 | 19876 | Virginia Electric & Power Co | Electric Utility | Southampton Power Station | VA | 10774 | 1 | 51.0 | Wood/Wood Waste Biomass | WDS | ST |
| 2028 | 5 | 56997 | Marina Energy LLC | IPP | Heller 400M | NJ | 62438 | A | 0.8 | Solar Photovoltaic | SUN | PV |
| 2028 | 5 | 56997 | Marina Energy LLC | IPP | Heller 400M | NJ | 62438 | B | 0.2 | Solar Photovoltaic | SUN | PV |
| 2028 | 5 | 56997 | Marina Energy LLC | IPP | Heller 400M | NJ | 62438 | C | 0.2 | Solar Photovoltaic | SUN | PV |
| 2028 | 5 | 56997 | Marina Energy LLC | IPP | Heller Industrial Parks | NJ | 57869 | HM | 0.8 | Solar Photovoltaic | SUN | PV |
| 2028 | 5 | 13756 | Northern Indiana Pub Serv Co | Electric Utility | Michigan City | IN | 997 | 12 | 455.0 | Conventional Steam Coal | SUB | ST |
| 2028 | 9 | 30151 | Tri-State G & T Assn, Inc | Electric Utility | Craig (CO) | CO | 6021 | 2 | 410.0 | Conventional Steam Coal | SUB | ST |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 | 12 | 16604 | City of San Antonio - (TX) | Electric Utility | O W Sommers | TX | 3611 | 2 | 410.0 | Natural Gas Steam Turbine | NG | ST |
| 2028 | 12 | 61944 | GSRP | IPP | ACCC Mays Landing | NJ | 60802 | PV1 | 1.4 | Solar Photovoltaic | SUN | PV |
| 2028 | 12 | 61944 | GSRP | IPP | IFF Hazlet | NJ | 60709 | GRND | 3.0 | Solar Photovoltaic | SUN | PV |
| 2028 | 12 | 9324 | Indiana Michigan Power Co | Electric Utility | Rockport | IN | 6166 | 1 | 1,300.0 | Conventional Steam Coal | SUB | ST |
| 2028 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Maddox | NM | 2446 | 1 | 112.0 | Natural Gas Steam Turbine | NG | ST |
| 2029 | 5 | 5109 | DTE Electric Company | Electric Utility | Belle River | MI | 6034 | ST1 | 635.0 | Conventional Steam Coal | RC | ST |
| 2029 | 6 | 11241 | Entergy Louisiana LLC | Electric Utility | Little Gypsy | LA | 1402 | 3 | 517.4 | Natural Gas Steam Turbine | NG | ST |
| 2029 | 10 | 56667 | Loraine Windpower Project | IPP | Loraine Windpark Project LLC | TX | 57303 | LWG1 | 73.5 | Onshore Wind Turbine | WND | WT |
| 2029 | 12 | 3989 | City of Colorado Springs - (CO) | Electric Utility | Ray D Nixon | CO | 8219 | 1 | 208.0 | Conventional Steam Coal | SUB | ST |
| 2030 | | 30151 | Tri-State G & T Assn, Inc | Electric Utility | Craig (CO) | CO | 6021 | 3 | 448.0 | Conventional Steam Coal | SUB | ST |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | Limestone | TX | 298 | 1 | 831.0 | Conventional Steam Coal | SUB | ST |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | Limestone | TX | 298 | 2 | 858.0 | Conventional Steam Coal | SUB | ST |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 3 | 104.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 31 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 32 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 33 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 34 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 4 | 104.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 41 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 42 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 43 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 44 | 57.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 51 | 58.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 52 | 58.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 53 | 58.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 54 | 58.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 55 | 58.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | 56 | 58.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 1 | 54888 | NRG Texas Power LLC | IPP | T H Wharton | TX | 3469 | GT1 | 13.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2030 | 5 | 5109 | DTE Electric Company | Electric Utility | Belle River | MI | 6034 | ST2 | 635.0 | Conventional Steam Coal | RC | ST |
| 2030 | 12 | 40230 | Deseret Generation & Tran Coop | Electric Utility | Bonanza | UT | 7790 | 1 | 458.0 | Conventional Steam Coal | BIT | ST |
| 2030 | 12 | 15143 | Platte River Power Authority | Electric Utility | Rawhide | CO | 6761 | 1 | 280.0 | Conventional Steam Coal | SUB | ST |
| 2030 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Nichols | TX | 3484 | 3 | 244.0 | Natural Gas Steam Turbine | NG | ST |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL00 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL01 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL02 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL03 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL04 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL05 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL06 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL07 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL08 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL09 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 3 | 56778 | Bloom Energy 2009 PPA | IPP | Caltech Central | CA | 57460 | CL10 | 0.1 | Other Waste Biomass | OBG | FC |
| 2031 | 6 | 11241 | Entergy Louisiana LLC | Electric Utility | Nine Mile Point | LA | 1403 | 6(4) | 729.5 | Natural Gas Steam Turbine | NG | ST |
| 2031 | 12 | 803 | Arizona Public Service Co | Electric Utility | Four Corners | NM | 2442 | 4 | 770.0 | Conventional Steam Coal | SUB | ST |
| 2031 | 12 | 803 | Arizona Public Service Co | Electric Utility | Four Corners | NM | 2442 | 5 | 770.0 | Conventional Steam Coal | SUB | ST |
| 2031 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Jones | TX | 3482 | 1 | 243.0 | Natural Gas Steam Turbine | NG | ST |
| 2032 | 1 | 54888 | NRG Texas Power LLC | IPP | San Jacinto Steam Electric Station | TX | 7325 | 1 | 81.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2032 | 1 | 54888 | NRG Texas Power LLC | IPP | San Jacinto Steam Electric Station | TX | 7325 | 2 | 81.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2032 | 12 | 16572 | Salt River Project | Electric Utility | Coronado | AZ | 6177 | CO1 | 380.0 | Conventional Steam Coal | RC | ST |
| 2032 | 12 | 16572 | Salt River Project | Electric Utility | Coronado | AZ | 6177 | CO2 | 382.0 | Conventional Steam Coal | RC | ST |
| 2033 | 6 | 11241 | Entergy Louisiana LLC | Electric Utility | Nine Mile Point | LA | 1403 | 5 | 743.8 | Natural Gas Steam Turbine | NG | ST |
| 2034 | 6 | 55937 | Entergy Texas Inc. | Electric Utility | Lewis Creek | TX | 3457 | 1 | 249.0 | Natural Gas Steam Turbine | NG | ST |
| 2034 | 6 | 55937 | Entergy Texas Inc. | Electric Utility | Lewis Creek | TX | 3457 | 2 | 254.0 | Natural Gas Steam Turbine | NG | ST |
| 2034 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | Marshall (NC) | NC | 2727 | 1 | 370.0 | Conventional Steam Coal | BIT | ST |
| 2034 | 12 | 5416 | Duke Energy Carolinas, LLC | Electric Utility | Marshall (NC) | NC | 2727 | 2 | 370.0 | Conventional Steam Coal | BIT | ST |
| 2034 | 12 | 13781 | Northern States Power Co - Minnesota | Electric Utility | Sherburne County | MN | 6090 | 3 | 876.0 | Conventional Steam Coal | SUB | ST |
| 2034 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Jones | TX | 3482 | 2 | 243.0 | Natural Gas Steam Turbine | NG | ST |
| 2034 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Quay County | NM | 58125 | 1 | 17.0 | Petroleum Liquids | DFO | GT |
| 2035 | 6 | 12685 | Entergy Mississippi LLC | Electric Utility | Gerald Andrus | MS | 8054 | 1 | 727.5 | Natural Gas Steam Turbine | NG | ST |
| 2036 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Harrington | TX | 6193 | 1 | 339.0 | Conventional Steam Coal | SUB | ST |
| 2037 | 11 | 54888 | NRG Texas Power LLC | IPP | NRG Elbow Creek Energy Storage Project | TX | 61362 | ECBS | 2.0 | Batteries | MWH | BA |

## Table 6.6. Planned U.S. Electric Generating Unit Retirements

| Year | Month | Entity ID | Entity Name | Plant Producer Type | Plant Name | Plant State | Plant ID | Generator ID | Net Summer Capacity (MW) | Technology | Energy Source Code | Prime Mover Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2037 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Tolk | TX | 6194 | 1 | 532.0 | Conventional Steam Coal | SUB | ST |
| 2037 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Tolk | TX | 6194 | 2 | 535.0 | Conventional Steam Coal | SUB | ST |
| 2038 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Harrington | TX | 6193 | 2 | 339.0 | Conventional Steam Coal | SUB | ST |
| 2039 | 7 | 56020 | NRG Cedar Bayou Development Company LLC | IPP | Cedar Bayou 4 | TX | 56806 | 4 | 172.0 | Natural Gas Fired Combined Cycle | NG | CA |
| 2039 | 7 | 56020 | NRG Cedar Bayou Development Company LLC | IPP | Cedar Bayou 4 | TX | 56806 | 41 | 165.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2039 | 7 | 56020 | NRG Cedar Bayou Development Company LLC | IPP | Cedar Bayou 4 | TX | 56806 | 42 | 165.0 | Natural Gas Fired Combined Cycle | NG | CT |
| 2040 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Cunningham | NM | 2454 | 3 | 106.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2040 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Cunningham | NM | 2454 | 4 | 103.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2040 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Harrington | TX | 6193 | 3 | 340.0 | Conventional Steam Coal | SUB | ST |
| 2043 | 12 | 58840 | Copenhagen Wind Farm, LLC | IPP | Copenhagen Wind Farm | NY | 58979 | CPHGN | 79.9 | Onshore Wind Turbine | WND | WT |
| 2045 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 5 | 664.0 | Conventional Steam Coal | SUB | ST |
| 2045 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 6 | 663.0 | Conventional Steam Coal | SUB | ST |
| 2045 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 7 | 577.0 | Conventional Steam Coal | SUB | ST |
| 2045 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | 8 | 610.0 | Conventional Steam Coal | SUB | ST |
| 2045 | 1 | 54888 | NRG Texas Power LLC | IPP | W A Parish | TX | 3470 | GT1 | 13.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2045 | 1 | 58365 | Petra Nova Power I LLC | IPP | W.A. Parish Carbon Capture Plant | TX | 58378 | GT2 | 74.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2047 | 7 | 60455 | PVN Milliken, LLC | IPP | PVN Milliken, LLC | CA | 60790 | PV | 3.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 4 | 61612 | Panda Solar NC 1, LLC | IPP | Panda Solar NC 1, LLC | NC | 62089 | 20002 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 4 | 61655 | Panda Solar NC 2, LLC | IPP | Panda Solar NC 2, LLC | NC | 62120 | 20003 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 6 | 61663 | Panda Solar NC 10, LLC | IPP | Panda Solar NC 10, LLC | NC | 62128 | 20031 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 6 | 61664 | Panda Solar NC 11, LLC | IPP | Panda Solar NC 11, LLC | NC | 62129 | 20032 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 6 | 61656 | Panda Solar NC 3, LLC | IPP | Panda Solar NC 3, LLC | NC | 62121 | 20011 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 6 | 61658 | Panda Solar NC 5, LLC | IPP | Panda Solar NC 5, LLC | NC | 62123 | 20007 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 6 | 61660 | Panda Solar NC 6, LLC | IPP | Panda Solar NC 6, LLC | NC | 62124 | 20028 | 1.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 6 | 61662 | Panda Solar NC 9, LLC | IPP | Panda Solar NC 9, LLC | NC | 62127 | 20022 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2049 | 9 | 61661 | Panda Solar NC 8, LLC | IPP | Panda Solar NC 8, LLC | NC | 62126 | 20052 | 2.0 | Solar Photovoltaic | SUN | PV |
| 2056 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Jones | TX | 3482 | 3 | 166.0 | Natural Gas Fired Combustion Turbine | NG | GT |
| 2058 | 12 | 17718 | Southwestern Public Service Co | Electric Utility | Jones | TX | 3482 | 4 | 168.0 | Natural Gas Fired Combustion Turbine | NG | GT |

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

## Table 6.07.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels

| | Coal | | Natural Gas | | | | | | | | Petroleum | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year/Month | | | Combined Cycle | | Gas Turbine | | Steam Turbine | | Internal Combustion | | Steam Turbine | | Gas Turbine | | Internal Combustion | |
| | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor |
| Annual Data | | | | | | | | | | | | | | | | |
| 2010 | 313,393.9 | 67.1% | 202,404.4 | 44.3% | 116,426.0 | 7.8% | 80,233.7 | 11.1% | 2,543.0 | 6.5% | 29,871.2 | 13.6% | 19,565.5 | 2.0% | 5,016.0 | 2.1% |
| 2011 | 314,056.1 | 62.8% | 210,518.7 | 44.3% | 119,144.1 | 7.9% | 78,898.6 | 11.7% | 2,822.5 | 8.4% | 26,683.0 | 12.6% | 18,397.7 | 1.3% | 4,986.0 | 2.2% |
| 2012 | 304,974.9 | 56.2% | 217,938.2 | 52.2% | 119,319.4 | 8.9% | 74,200.2 | 13.3% | 2,988.8 | 7.3% | 22,483.7 | 13.7% | 17,773.5 | 1.3% | 4,942.5 | 2.0% |
| 2013 | 302,604.4 | 59.4% | 219,902.9 | 48.8% | 123,025.6 | 8.3% | 75,810.5 | 11.2% | 2,996.2 | 8.8% | 20,022.9 | 12.6% | 17,224.1 | 0.9% | 4,999.4 | 2.1% |
| 2014 | 299,064.7 | 60.5% | 224,183.2 | 48.6% | 124,736.9 | 8.3% | 75,049.1 | 10.3% | 3,026.7 | 10.8% | 18,057.0 | 13.0% | 16,791.5 | 1.2% | 5,011.3 | 2.1% |
| 2015 | 286,082.7 | 54.3% | 231,467.5 | 55.8% | 123,444.3 | 9.8% | 80,348.0 | 11.3% | 3,507.8 | 11.9% | 14,965.4 | 14.0% | 16,122.8 | 1.3% | 5,075.2 | 2.1% |
| 2016 | 269,477.1 | 52.8% | 236,442.8 | 55.4% | 125,148.4 | 11.0% | 81,225.1 | 12.3% | 3,684.3 | 11.5% | 13,993.7 | 12.2% | 15,114.0 | 1.3% | 5,082.8 | 2.3% |
| 2017 | 259,930.2 | 53.1% | 242,839.1 | 51.2% | 125,806.6 | 9.6% | 79,149.4 | 10.7% | 4,225.5 | 11.6% | 13,290.9 | 13.7% | 14,275.3 | 1.0% | 5,153.3 | 2.1% |
| 2018 | 246,866.8 | 53.6% | 254,403.3 | 55.0% | 126,763.4 | 11.9% | 76,177.8 | 12.6% | 4,446.6 | 13.0% | 13,300.1 | 14.2% | 14,234.9 | 1.3% | 5,289.7 | 1.9% |
| 2019 | 235,534.1 | 47.5% | 267,130.4 | 56.8% | 128,480.5 | 11.8% | 73,591.7 | 14.3% | 4,844.3 | 13.9% | 11,712.2 | 12.7% | 14,192.6 | 1.1% | 5,250.4 | 2.2% |
| Year 2018 | | | | | | | | | | | | | | | | |
| January | 251,730.8 | 64.0% | 247,709.0 | 51.4% | 126,362.3 | 11.7% | 78,615.1 | 10.9% | 4,280.9 | 11.8% | 13,440.4 | 19.9% | 14,336.6 | 3.5% | 5,330.8 | 2.5% |
| February | 250,522.8 | 49.1% | 247,709.0 | 51.6% | 126,189.1 | 9.3% | 78,185.1 | 5.8% | 4,292.9 | 12.0% | 13,440.4 | 12.1% | 14,336.6 | 0.8% | 5,333.5 | 1.8% |
| March | 249,781.8 | 43.8% | 247,709.0 | 49.1% | 126,170.5 | 10.3% | 77,411.2 | 7.5% | 4,288.5 | 11.9% | 13,440.4 | 10.9% | 14,336.6 | 0.9% | 5,326.9 | 1.8% |
| April | 248,603.8 | 41.5% | 248,199.0 | 45.6% | 126,338.5 | 10.5% | 77,369.9 | 8.5% | 4,372.4 | 10.9% | 13,440.4 | 12.9% | 14,336.6 | 1.0% | 5,317.8 | 2.0% |
| May | 248,603.8 | 46.7% | 252,604.7 | 49.8% | 126,690.5 | 11.3% | 76,359.3 | 15.3% | 4,372.4 | 12.0% | 13,440.4 | 10.0% | 14,336.6 | 1.1% | 5,319.2 | 1.8% |
| June | 245,407.8 | 58.0% | 255,100.3 | 58.7% | 126,881.1 | 12.4% | 75,658.1 | 16.3% | 4,362.4 | 13.1% | 13,440.4 | 15.0% | 14,166.6 | 1.4% | 5,275.1 | 1.8% |
| July | 245,407.8 | 63.8% | 256,721.3 | 69.8% | 126,878.6 | 16.3% | 75,658.1 | 23.3% | 4,369.0 | 18.3% | 13,440.4 | 16.6% | 14,166.6 | 1.5% | 5,276.5 | 1.8% |
| August | 245,407.8 | 63.6% | 257,487.3 | 69.3% | 127,267.4 | 15.0% | 75,658.1 | 20.3% | 4,594.6 | 16.9% | 13,440.4 | 15.6% | 14,166.6 | 1.3% | 5,277.8 | 2.1% |
| Sept | 245,113.4 | 55.3% | 258,463.3 | 63.2% | 127,146.3 | 13.8% | 75,650.6 | 15.6% | 4,594.3 | 13.8% | 13,440.4 | 16.9% | 14,166.6 | 1.3% | 5,274.0 | 2.0% |
| October | 244,837.5 | 48.5% | 258,836.7 | 52.9% | 127,104.0 | 11.6% | 75,120.6 | 12.6% | 4,595.0 | 12.4% | 13,440.4 | 13.7% | 14,166.6 | 1.1% | 5,269.0 | 2.0% |
| November | 244,426.5 | 53.2% | 260,948.0 | 48.8% | 126,977.7 | 10.5% | 74,758.6 | 8.7% | 4,613.6 | 11.7% | 13,440.4 | 13.4% | 14,154.6 | 1.1% | 5,240.4 | 1.8% |
| December | 242,785.6 | 55.9% | 260,868.5 | 48.9% | 127,108.3 | 9.1% | 73,841.6 | 6.3% | 4,613.6 | 11.0% | 11,788.4 | 12.6% | 14,154.6 | 1.0% | 5,237.9 | 1.7% |
| Year 2019 | | | | | | | | | | | | | | | | |
| January | 242,491.4 | 56.5% | 263,679.0 | 54.0% | 127,778.9 | 8.0% | 73,634.6 | 8.7% | 4,631.1 | 10.0% | 11,788.4 | 12.8% | 14,214.1 | 0.7% | 5,248.6 | 2.0% |
| February | 239,557.9 | 50.4% | 263,679.0 | 55.3% | 127,778.9 | 8.5% | 74,619.1 | 8.0% | 4,703.6 | 12.3% | 11,788.4 | 12.8% | 14,214.1 | 0.6% | 5,250.6 | 1.7% |
| March | 238,326.9 | 45.0% | 263,362.0 | 50.0% | 127,780.0 | 8.0% | 74,010.1 | 9.0% | 4,703.6 | 10.9% | 11,855.4 | 12.2% | 14,195.1 | 0.5% | 5,247.8 | 1.6% |
| April | 236,845.5 | 35.9% | 266,197.3 | 45.0% | 127,893.2 | 9.6% | 74,005.8 | 11.0% | 4,882.5 | 10.0% | 11,709.4 | 11.1% | 14,195.1 | 0.8% | 5,245.4 | 1.8% |
| May | 236,095.5 | 41.7% | 266,482.7 | 48.6% | 128,385.3 | 10.2% | 74,005.8 | 13.8% | 4,882.5 | 10.5% | 11,709.4 | 15.8% | 14,195.1 | 1.0% | 5,254.2 | 2.1% |
| June | 235,987.9 | 47.0% | 268,187.8 | 59.6% | 128,502.4 | 11.4% | 73,711.1 | 16.4% | 4,883.4 | 12.7% | 11,709.4 | 15.0% | 14,184.8 | 1.1% | 5,254.2 | 2.3% |
| July | 235,005.4 | 58.4% | 269,033.1 | 69.8% | 128,862.6 | 19.3% | 73,681.1 | 24.7% | 4,905.4 | 21.1% | 11,709.4 | 16.7% | 14,184.8 | 2.3% | 5,255.9 | 3.0% |
| August | 235,005.4 | 54.6% | 269,033.1 | 70.8% | 128,962.6 | 18.7% | 73,681.1 | 25.3% | 4,905.4 | 22.0% | 11,709.4 | 16.4% | 14,179.1 | 2.4% | 5,247.6 | 3.2% |
| Sept | 234,817.4 | 51.6% | 269,033.1 | 63.9% | 128,922.6 | 14.8% | 73,681.1 | 19.9% | 4,905.4 | 17.6% | 11,642.4 | 15.1% | 14,192.6 | 1.6% | 5,251.6 | 2.7% |
| October | 233,595.4 | 39.2% | 268,480.5 | 54.8% | 129,000.1 | 13.6% | 73,196.1 | 15.9% | 4,905.4 | 14.5% | 11,642.4 | 8.9% | 14,192.6 | 1.5% | 5,251.6 | 2.4% |
| November | 229,673.4 | 46.0% | 269,047.5 | 52.3% | 128,966.1 | 10.7% | 73,023.1 | 9.2% | 4,905.4 | 13.6% | 11,642.4 | 7.5% | 14,192.6 | 0.6% | 5,251.6 | 2.1% |
| December | 229,241.4 | 43.2% | 269,143.4 | 57.0% | 128,876.8 | 8.8% | 71,952.3 | 8.6% | 4,910.3 | 11.1% | 11,642.4 | 7.9% | 14,172.6 | 0.5% | 5,245.2 | 1.8% |
| Year 2020 | | | | | | | | | | | | | | | | |
| January | 227,611.7 | 39.1% | 269,932.4 | 58.5% | 128,783.4 | 8.9% | 71,503.5 | 9.0% | 4,927.8 | 10.2% | 11,610.7 | 11.1% | 14,082.8 | 0.9% | 5,228.9 | 1.8% |
| February | 227,178.5 | 36.4% | 270,379.7 | 58.8% | 128,899.7 | 9.5% | 70,137.2 | 9.9% | 5,024.8 | 11.3% | 11,597.9 | 8.2% | 14,097.4 | 0.7% | 5,254.9 | 1.8% |
| March | 225,799.1 | 30.9% | 271,636.7 | 52.1% | 128,842.1 | 9.7% | 70,547.7 | 11.1% | 5,028.6 | 12.7% | 11,601.8 | 13.4% | 13,836.1 | 0.7% | 5,271.6 | 1.6% |
| April | 225,819.2 | 25.5% | 272,708.9 | 47.3% | 128,823.6 | 8.0% | 70,431.8 | 10.5% | 5,117.5 | 10.5% | 11,594.3 | 12.9% | 13,943.9 | 0.6% | 5,267.1 | 1.5% |
| May | 224,525.1 | 28.4% | 274,338.4 | 48.2% | 129,014.3 | 9.3% | 70,285.4 | 12.4% | 5,157.5 | 11.1% | 11,594.3 | 11.6% | 13,770.4 | 0.8% | 5,268.1 | 1.4% |
| June | 223,559.6 | 41.4% | 275,980.0 | 59.6% | 128,906.1 | 13.7% | 70,736.6 | 18.1% | 5,150.2 | 14.6% | 11,134.1 | 16.5% | 13,706.5 | 1.5% | 5,267.8 | 1.7% |
| July | 223,559.6 | 55.1% | 275,920.1 | 70.7% | 129,122.0 | 22.4% | 70,735.8 | 28.5% | 5,150.2 | 20.7% | 11,134.1 | 16.8% | 13,706.5 | 3.2% | 5,267.7 | 2.3% |

Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

## Table 6.07.B. Capacity Factors for Utility Scale Generators Primarily Using Non-Fossil Fuels

| | Geothermal | | Hydroelectric | | Nuclear | | Other Biomass | | Other Gas | | Solar | | | | Wind | | Wood | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year/Month | | | | | | | | | | | Photovoltaic | | Thermal | | | | | |
| | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor | Time Adjusted Capacity | Capacity Factor |
| Annual Data | | | | | | | | | | | | | | | | | | |
| 2010 | 2,392.1 | 71.6% | 78,810.3 | 37.5% | 101,167.4 | 91.1% | 4,298.7 | 64.2% | 1,929.0 | 50.5% | 206.8 | 20.2% | 473.0 | 24.5% | 35,702.6 | 29.7% | 6,991.5 | 61.5% |
| 2011 | 2,407.9 | 71.5% | 78,564.7 | 45.8% | 101,265.1 | 89.1% | 4,469.8 | 64.2% | 1,902.7 | 54.1% | 537.0 | 19.0% | 485.3 | 23.9% | 42,019.2 | 32.1% | 7,000.3 | 59.6% |
| 2012 | 2,531.8 | 68.3% | 78,296.6 | 39.6% | 101,166.0 | 86.6% | 4,639.7 | 63.3% | 1,802.8 | 59.6% | 1,527.1 | 20.4% | 476.0 | 23.6% | 49,458.0 | 31.8% | 7,089.1 | 61.3% |
| 2013 | 2,509.5 | 71.8% | 78,873.5 | 38.8% | 99,006.8 | 90.8% | 4,949.7 | 62.3% | 2,171.6 | 55.9% | 3,525.2 | 24.5% | 552.1 | 17.4% | 59,175.6 | 32.4% | 7,887.9 | 59.0% |
| 2014 | 2,513.3 | 72.0% | 79,582.8 | 37.2% | 98,569.3 | 91.7% | 5,114.6 | 62.7% | 1,994.0 | 54.0% | 6,555.6 | 25.6% | 1,445.3 | 18.3% | 60,587.8 | 34.0% | 8,319.7 | 60.0% |
| 2015 | 2,523.0 | 71.9% | 79,650.8 | 35.7% | 98,614.6 | 92.3% | 5,104.5 | 62.6% | 2,527.7 | 60.8% | 9,521.6 | 25.5% | 1,697.3 | 21.7% | 67,106.2 | 32.2% | 9,024.5 | 59.3% |
| 2016 | 2,516.6 | 71.6% | 79,806.0 | 38.2% | 99,364.8 | 92.3% | 5,099.5 | 62.7% | 2,458.8 | 64.8% | 14,161.4 | 25.0% | 1,757.9 | 22.1% | 74,162.7 | 34.5% | 8,979.8 | 58.3% |
| 2017 | 2,460.4 | 73.2% | 79,698.8 | 43.0% | 99,619.5 | 92.3% | 5,125.6 | 61.8% | 2,375.8 | 62.8% | 21,940.9 | 25.6% | 1,757.9 | 21.8% | 83,355.6 | 34.6% | 8,807.5 | 60.2% |
| 2018 | 2,391.5 | 76.0% | 79,771.9 | 41.9% | 99,605.2 | 92.5% | 5,059.0 | 61.8% | 2,543.9 | 65.4% | 27,143.3 | 25.1% | 1,757.9 | 23.6% | 89,228.5 | 34.6% | 8,760.2 | 60.6% |
| 2019 | 2,457.2 | 74.4% | 79,824.2 | 39.1% | 98,787.9 | 93.5% | 4,983.1 | 59.2% | 2,547.7 | 67.0% | 31,832.9 | 24.5% | 1,757.9 | 21.2% | 97,649.0 | 34.8% | 8,501.4 | 60.9% |
| Year 2018 | | | | | | | | | | | | | | | | | | |
| January | 2,387.5 | 75.3% | 79,771.8 | 42.2% | 99,730.6 | 100.6% | 5,108.5 | 62.2% | 2,543.9 | 66.2% | 25,311.1 | 16.3% | 1,757.9 | 10.0% | 87,552.6 | 38.7% | 8,813.0 | 65.3% |
| February | 2,403.5 | 78.9% | 79,771.8 | 46.4% | 99,730.6 | 96.7% | 5,083.1 | 64.6% | 2,543.9 | 66.6% | 25,968.4 | 20.9% | 1,757.9 | 16.1% | 88,563.2 | 38.8% | 8,813.0 | 62.5% |
| March | 2,382.2 | 76.8% | 79,785.3 | 43.6% | 99,730.6 | 90.3% | 5,086.1 | 62.0% | 2,543.9 | 63.3% | 26,067.6 | 24.3% | 1,757.9 | 19.2% | 88,787.7 | 40.1% | 8,780.5 | 61.7% |
| April | 2,392.2 | 69.0% | 79,792.3 | 48.9% | 99,730.6 | 82.4% | 5,086.1 | 60.9% | 2,543.9 | 61.6% | 26,591.3 | 29.7% | 1,757.9 | 24.4% | 88,789.2 | 41.3% | 8,780.5 | 55.6% |
| May | 2,392.2 | 77.7% | 79,753.3 | 51.3% | 99,730.6 | 90.7% | 5,083.5 | 59.4% | 2,543.9 | 63.2% | 26,859.7 | 31.8% | 1,757.9 | 32.9% | 89,086.2 | 36.0% | 8,761.5 | 58.0% |
| June | 2,392.2 | 75.5% | 79,753.8 | 48.1% | 99,730.6 | 97.1% | 5,006.9 | 63.0% | 2,543.9 | 64.1% | 27,291.3 | 34.9% | 1,757.9 | 41.7% | 89,078.2 | 38.4% | 8,775.5 | 61.7% |
| July | 2,392.2 | 77.0% | 79,751.6 | 42.3% | 99,730.6 | 97.7% | 5,050.2 | 62.3% | 2,543.9 | 65.8% | 27,451.7 | 31.1% | 1,757.9 | 30.1% | 89,227.2 | 24.7% | 8,767.2 | 63.7% |
| August | 2,392.2 | 76.8% | 79,751.6 | 37.1% | 99,730.6 | 97.4% | 5,042.5 | 62.6% | 2,543.9 | 68.7% | 27,590.1 | 30.5% | 1,757.9 | 32.5% | 89,387.5 | 29.8% | 8,748.7 | 62.2% |
| Sept | 2,392.2 | 77.1% | 79,751.6 | 33.4% | 99,277.9 | 90.3% | 5,042.5 | 58.3% | 2,543.9 | 67.2% | 27,674.0 | 27.7% | 1,757.9 | 34.8% | 89,469.5 | 28.6% | 8,748.7 | 58.5% |
| October | 2,392.2 | 71.5% | 79,753.6 | 32.9% | 99,277.9 | 80.4% | 5,041.4 | 61.0% | 2,543.9 | 64.3% | 27,989.5 | 22.4% | 1,757.9 | 20.7% | 89,941.8 | 31.5% | 8,748.7 | 56.5% |
| November | 2,392.2 | 77.3% | 79,753.6 | 38.1% | 99,432.9 | 89.3% | 5,039.0 | 62.3% | 2,543.9 | 67.4% | 28,158.3 | 17.3% | 1,757.9 | 13.3% | 90,282.8 | 33.8% | 8,694.6 | 60.4% |
| December | 2,387.9 | 79.4% | 79,870.8 | 38.4% | 99,432.9 | 96.9% | 5,038.6 | 63.2% | 2,543.9 | 67.0% | 28,690.2 | 13.7% | 1,757.9 | 7.0% | 90,534.1 | 34.8% | 8,694.6 | 61.4% |
| Year 2019 | | | | | | | | | | | | | | | | | | |
| January | 2,451.2 | 77.8% | 79,868.4 | 40.7% | 99,391.6 | 99.7% | 5,030.5 | 59.8% | 2,543.9 | 67.4% | 30,261.1 | 15.5% | 1,757.9 | 8.4% | 94,391.7 | 35.5% | 8,641.1 | 62.9% |
| February | 2,451.2 | 79.4% | 79,879.1 | 40.7% | 99,391.6 | 96.9% | 5,030.5 | 59.3% | 2,543.9 | 68.9% | 30,924.8 | 17.7% | 1,757.9 | 10.9% | 95,314.5 | 35.8% | 8,641.1 | 62.6% |
| March | 2,451.2 | 78.8% | 79,895.1 | 43.0% | 99,391.6 | 88.0% | 4,996.6 | 58.1% | 2,543.9 | 64.8% | 31,132.5 | 24.2% | 1,757.9 | 19.8% | 95,806.3 | 36.4% | 8,490.4 | 58.6% |
| April | 2,459.1 | 70.0% | 79,895.1 | 44.3% | 99,546.6 | 84.5% | 4,996.6 | 56.4% | 2,548.9 | 63.2% | 31,355.3 | 28.8% | 1,757.9 | 25.5% | 96,636.3 | 42.6% | 8,567.3 | 56.4% |
| May | 2,459.1 | 73.6% | 79,875.2 | 50.6% | 98,873.0 | 90.9% | 4,991.0 | 58.7% | 2,548.9 | 65.6% | 31,444.8 | 29.3% | 1,757.9 | 25.7% | 96,638.1 | 36.0% | 8,552.3 | 59.2% |
| June | 2,459.1 | 76.9% | 79,879.1 | 46.0% | 98,873.0 | 96.7% | 4,971.5 | 61.0% | 2,548.9 | 66.1% | 31,508.0 | 33.1% | 1,757.9 | 35.5% | 96,867.6 | 32.6% | 8,482.8 | 61.8% |
| July | 2,459.1 | 77.2% | 79,880.6 | 39.9% | 98,873.0 | 98.1% | 4,973.1 | 60.3% | 2,548.9 | 70.2% | 31,818.6 | 32.6% | 1,757.9 | 31.4% | 98,111.7 | 30.0% | 8,512.2 | 63.7% |
| August | 2,459.1 | 77.0% | 79,741.2 | 35.4% | 98,873.0 | 97.8% | 4,969.2 | 60.8% | 2,548.9 | 67.1% | 32,054.4 | 31.2% | 1,757.9 | 32.0% | 98,387.3 | 26.9% | 8,512.2 | 66.3% |
| Sept | 2,459.1 | 78.2% | 79,741.0 | 28.4% | 98,070.2 | 93.1% | 4,959.3 | 59.4% | 2,548.9 | 69.0% | 32,276.1 | 27.4% | 1,757.9 | 24.3% | 98,936.2 | 33.9% | 8,422.9 | 60.9% |
| October | 2,459.1 | 69.8% | 79,746.4 | 27.5% | 98,070.2 | 85.0% | 4,961.0 | 59.0% | 2,548.9 | 61.5% | 32,511.0 | 23.5% | 1,757.9 | 23.0% | 99,786.0 | 37.8% | 8,415.9 | 57.2% |
| November | 2,459.1 | 62.8% | 79,746.4 | 35.7% | 98,070.2 | 90.8% | 4,962.4 | 58.4% | 2,548.9 | 72.6% | 32,999.2 | 17.5% | 1,757.9 | 11.3% | 99,952.8 | 35.4% | 8,415.9 | 59.5% |
| December | 2,459.1 | 71.1% | 79,746.4 | 37.4% | 98,070.2 | 100.1% | 4,958.6 | 59.7% | 2,548.9 | 68.3% | 33,647.2 | 13.1% | 1,757.9 | 5.4% | 100,791.5 | 35.6% | 8,372.9 | 62.2% |
| Year 2020 | | | | | | | | | | | | | | | | | | |
| January | 2,471.7 | 68.3% | 79,851.9 | 40.9% | 98,042.4 | 101.7% | 4,909.5 | 61.0% | 2,548.9 | 70.2% | 35,466.7 | 16.3% | 1,758.1 | 8.1% | 103,575.3 | 36.7% | 8,422.4 | 62.3% |
| February | 2,557.7 | 64.2% | 79,735.1 | 45.2% | 98,119.0 | 96.6% | 4,845.5 | 59.8% | 2,548.9 | 70.2% | 36,703.3 | 21.2% | 1,758.1 | 14.5% | 104,297.9 | 40.3% | 8,402.9 | 62.2% |
| March | 2,557.7 | 77.7% | 79,787.7 | 37.5% | 98,119.0 | 87.7% | 4,844.4 | 62.9% | 2,542.5 | 61.1% | 37,229.4 | 21.9% | 1,758.1 | 14.6% | 104,358.6 | 37.8% | 8,402.9 | 59.4% |
| April | 2,557.7 | 73.1% | 79,762.2 | 36.2% | 97,102.9 | 83.9% | 4,738.2 | 62.6% | 2,542.5 | 59.7% | 37,346.4 | 28.2% | 1,758.1 | 24.2% | 105,857.1 | 38.7% | 8,398.1 | 58.3% |
| May | 2,555.4 | 74.2% | 79,763.4 | 49.7% | 97,102.9 | 89.1% | 4,723.7 | 61.6% | 2,542.5 | 61.6% | 38,046.0 | 32.3% | 1,758.1 | 31.5% | 106,104.3 | 35.4% | 8,372.4 | 57.7% |
| June | 2,555.4 | 72.5% | 79,682.3 | 49.8% | 97,120.9 | 96.1% | 4,661.8 | 58.7% | 2,522.0 | 61.0% | 38,523.0 | 32.2% | 1,758.1 | 29.7% | 106,996.8 | 38.9% | 8,372.3 | 58.0% |
| July | 2,555.4 | 75.8% | 79,784.3 | 43.7% | 97,120.9 | 96.0% | 4,656.8 | 61.7% | 2,507.2 | 62.6% | 39,670.8 | 33.1% | 1,758.1 | 33.2% | 107,691.4 | 28.2% | 8,383.0 | 57.6% |

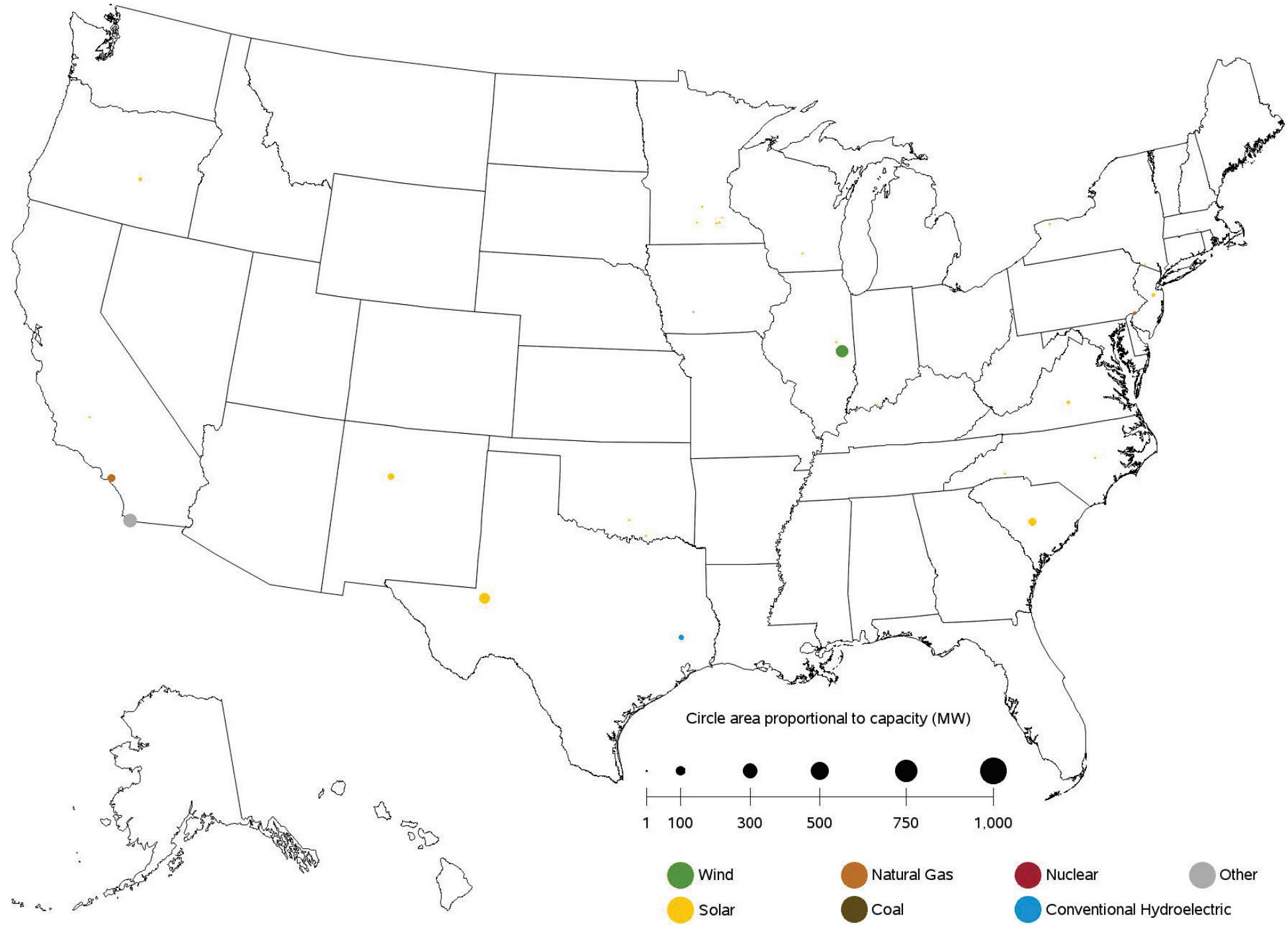
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

## Table 6.07.C. Usage Factors for Utility Scale Storage Generators

| | Battery | | Pumped Storage | |
|---|---|---|---|---|
| Year/Month | Time Adjusted Capacity | Usage Factor | Time Adjusted Capacity | Usage Factor |
| Annual Data | | | | |
| 2013 | 126.7 | 0.7% | 22,389.3 | 9.8% |
| 2014 | 155.1 | 1.7% | 22,477.9 | 10.2% |
| 2015 | 206.8 | 3.6% | 22,568.9 | 10.2% |
| 2016 | 423.0 | 3.8% | 22,752.7 | 11.2% |
| 2017 | 632.8 | 6.8% | 22,791.7 | 11.4% |
| 2018 | 713.6 | 5.2% | 22,815.4 | 10.8% |
| 2019 | 952.3 | 4.0% | 22,849.2 | 10.4% |
| Year 2018 | | | | |
| January | 643.7 | 5.2% | 22,785.2 | 9.8% |
| February | 663.5 | 5.1% | 22,785.2 | 9.6% |
| March | 667.1 | 5.2% | 22,785.2 | 7.9% |
| April | 681.1 | 5.0% | 22,785.2 | 8.2% |
| May | 690.6 | 5.2% | 22,830.2 | 11.0% |
| June | 696.1 | 4.9% | 22,830.2 | 13.2% |
| July | 742.1 | 5.6% | 22,830.2 | 15.5% |
| August | 740.1 | 5.6% | 22,830.2 | 16.1% |
| Sept | 746.4 | 5.6% | 22,830.2 | 12.2% |
| October | 748.9 | 5.0% | 22,830.2 | 9.4% |
| November | 768.9 | 5.3% | 22,830.2 | 8.2% |
| December | 770.7 | 5.1% | 22,830.2 | 7.7% |
| Year 2019 | | | | |
| January | 861.3 | 3.8% | 22,799.2 | 9.3% |
| February | 873.6 | 4.2% | 22,799.2 | 9.1% |
| March | 898.4 | 5.2% | 22,799.2 | 8.3% |
| April | 927.5 | 4.5% | 22,821.2 | 10.1% |
| May | 943.5 | 4.5% | 22,821.2 | 11.8% |
| June | 948.5 | 3.7% | 22,878.2 | 11.6% |
| July | 968.9 | 3.7% | 22,878.2 | 15.0% |
| August | 977.4 | 3.5% | 22,878.2 | 13.6% |
| Sept | 996.4 | 4.5% | 22,878.2 | 12.3% |
| October | 1,004.3 | 3.4% | 22,878.2 | 8.2% |
| November | 1,008.6 | 3.7% | 22,878.2 | 7.1% |
| December | 1,013.6 | 3.5% | 22,878.2 | 7.8% |
| Year 2020 | | | | |
| January | 1,013.4 | 4.0% | 22,880.9 | 9.0% |
| February | 1,013.7 | 4.6% | 22,880.9 | 9.1% |
| March | 1,021.2 | 4.9% | 22,882.1 | 7.9% |
| April | 1,036.0 | 4.2% | 22,900.1 | 8.2% |
| May | 1,045.9 | 3.9% | 22,898.9 | 10.8% |
| June | 1,055.8 | 4.1% | 22,700.3 | 13.3% |
| July | 1,064.4 | 4.0% | 22,795.3 | 16.0% |

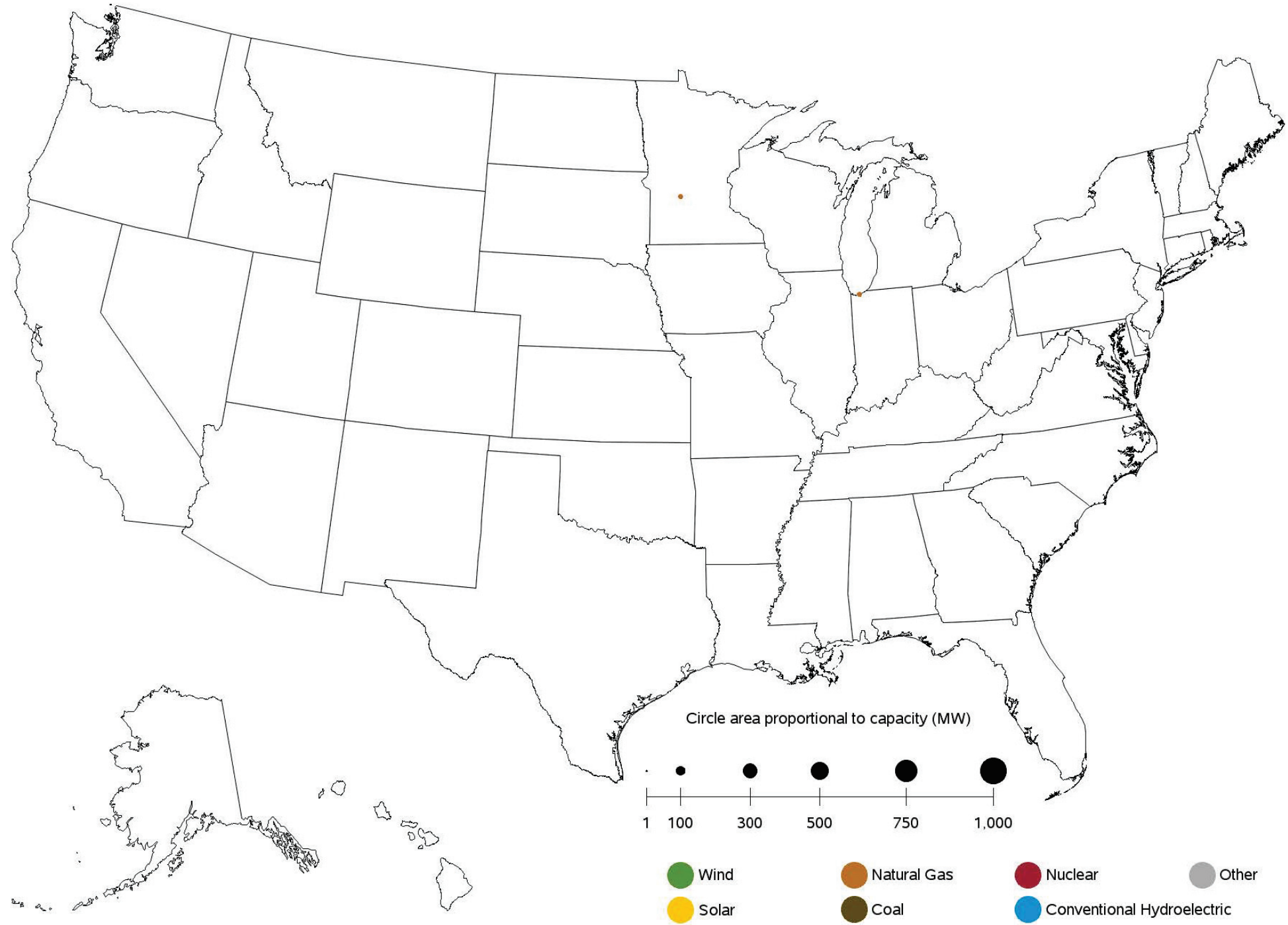
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Usage factors are a comparison of gross generation with available capacity. See the technical note for an explanation of how usage factors are calculated.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility-Scale Generating Units Added in July 2020



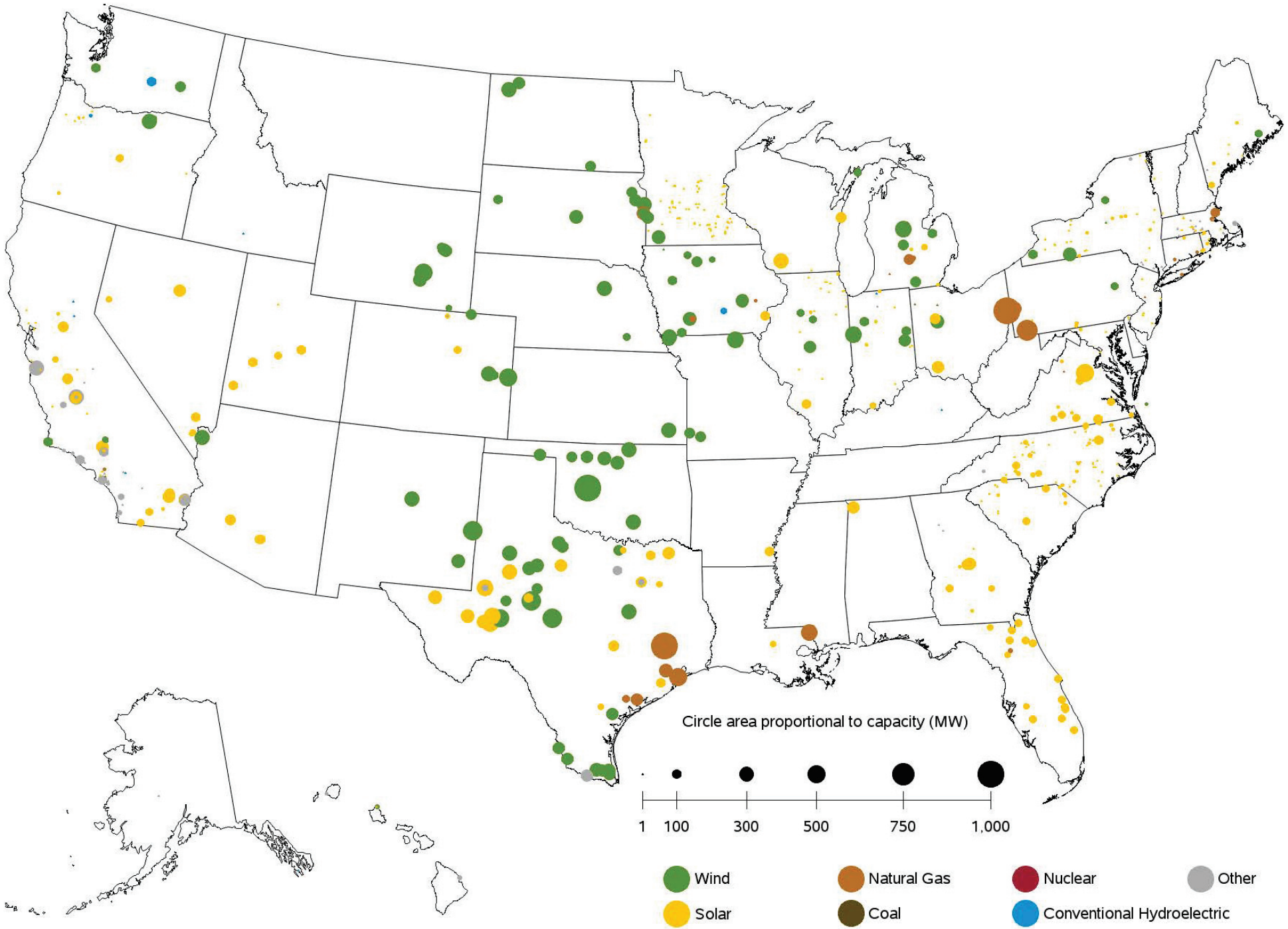

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in July 2020



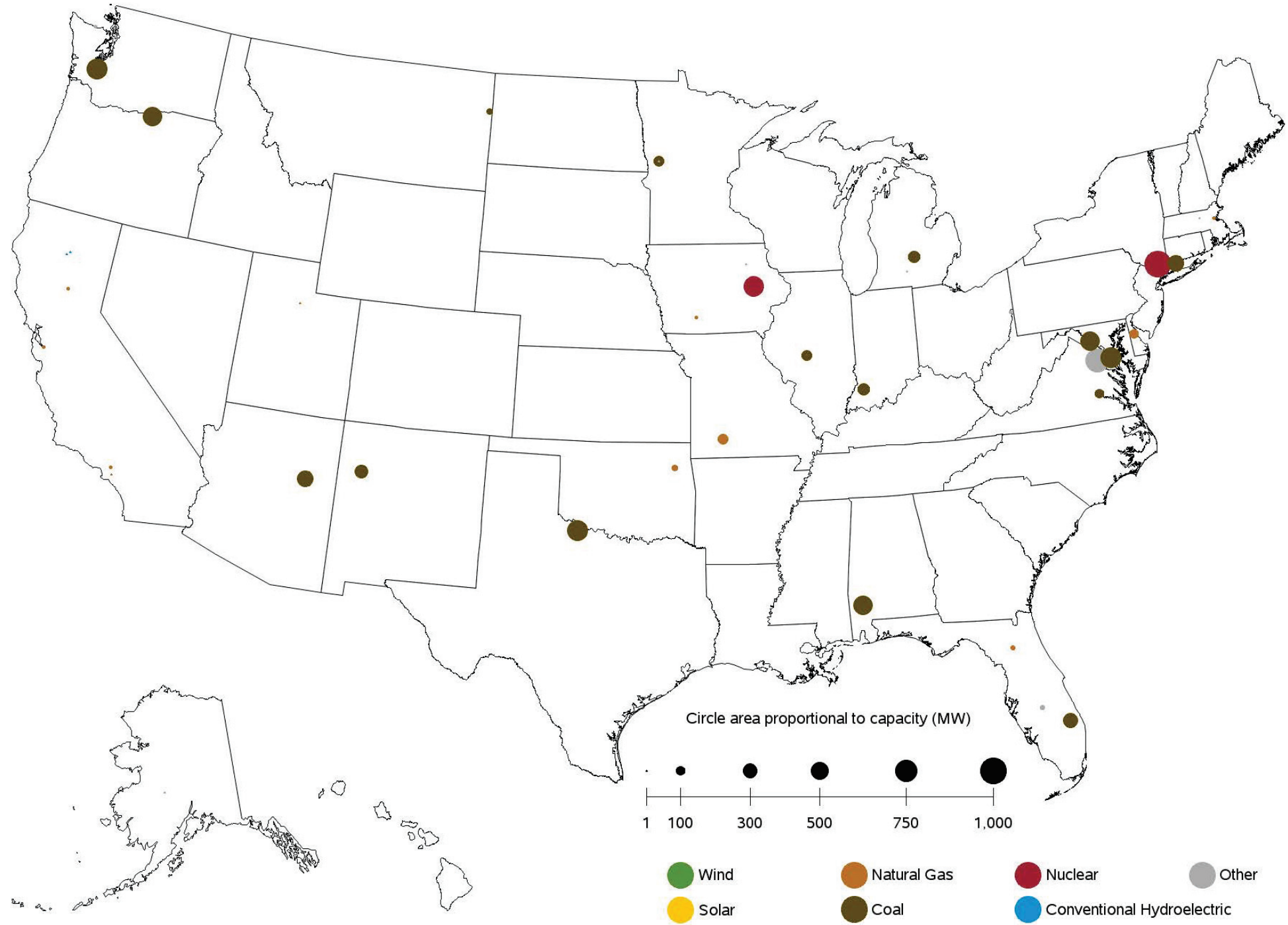

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from August 2020 to July 2021




Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.D. Utility-Scale Generating Units Planned to Retire from August 2020 to July 2021




Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

# Chapter 7

# Imports and Exports

## Table 7.1. Electric Power Industry - U.S. Electricity Imports from and Electricity Exports to Canada and Mexico (Megawatthours)

| | Canada | | Mexico | | U.S. Total | | |
|---|---|---|---|---|---|---|---|
| Period | Imports from | Exports to | Imports from | Exports to | Imports | Exports | Net Imports |
| Annual Totals | | | | | | | |
| 2016 | 65,173,818 | 2,682,381 | 7,542,445 | 3,531,636 | 72,716,263 | 6,214,017 | 66,502,246 |
| 2017 | 59,909,320 | 3,312,798 | 5,775,597 | 6,058,005 | 65,684,917 | 9,370,803 | 56,314,114 |
| 2018 | 51,494,627 | 7,290,070 | 6,765,975 | 6,514,422 | 58,260,602 | 13,804,492 | 44,456,110 |
| 2019 | 52,309,254 | 13,532,067 | 6,743,207 | 6,475,965 | 59,052,461 | 20,008,032 | 39,044,429 |
| Year 2018 | | | | | | | |
| January | 4,738,934 | 680,100 | 485,831 | 459,404 | 5,224,765 | 1,139,504 | 4,085,261 |
| February | 4,314,276 | 926,822 | 473,386 | 340,682 | 4,787,662 | 1,267,504 | 3,520,158 |
| March | 5,045,055 | 707,032 | 553,462 | 488,339 | 5,598,517 | 1,195,371 | 4,403,146 |
| April | 4,067,648 | 1,134,937 | 461,095 | 486,681 | 4,528,743 | 1,621,618 | 2,907,125 |
| May | 4,865,120 | 569,954 | 374,033 | 571,444 | 5,239,153 | 1,141,398 | 4,097,755 |
| June | 5,002,142 | 534,488 | 491,763 | 680,851 | 5,493,905 | 1,215,339 | 4,278,566 |
| July | 4,669,081 | 176,762 | 701,543 | 758,502 | 5,370,624 | 935,264 | 4,435,360 |
| August | 5,430,607 | 272,018 | 705,309 | 862,128 | 6,135,916 | 1,134,146 | 5,001,770 |
| Sept | 3,648,158 | 437,073 | 602,500 | 623,925 | 4,250,658 | 1,060,998 | 3,189,660 |
| October | 3,097,802 | 455,738 | 620,775 | 428,265 | 3,718,577 | 884,003 | 2,834,574 |
| November | 3,163,062 | 878,523 | 649,802 | 406,045 | 3,812,864 | 1,284,568 | 2,528,296 |
| December | 3,452,742 | 516,623 | 646,476 | 408,156 | 4,099,218 | 924,779 | 3,174,439 |
| Year 2019 | | | | | | | |
| January | 4,098,844 | 942,436 | 705,708 | 521,104 | 4,804,552 | 1,463,540 | 3,341,012 |
| February | 3,777,272 | 898,202 | 774,241 | 519,458 | 4,551,513 | 1,417,660 | 3,133,853 |
| March | 4,200,904 | 1,961,134 | 748,858 | 587,848 | 4,949,762 | 2,548,982 | 2,400,780 |
| April | 3,880,049 | 1,558,941 | 474,744 | 409,476 | 4,354,793 | 1,968,417 | 2,386,376 |
| May | 4,333,483 | 1,164,351 | 389,959 | 517,695 | 4,723,442 | 1,682,046 | 3,041,396 |
| June | 4,731,849 | 905,149 | 424,419 | 620,623 | 5,156,268 | 1,525,772 | 3,630,496 |
| July | 5,057,622 | 1,250,152 | 584,912 | 707,229 | 5,642,534 | 1,957,381 | 3,685,153 |
| August | 5,266,917 | 1,036,625 | 597,828 | 748,206 | 5,864,745 | 1,784,831 | 4,079,914 |
| Sept | 4,741,429 | 1,095,245 | 551,397 | 680,604 | 5,292,826 | 1,775,849 | 3,516,977 |
| October | 3,179,364 | 1,041,990 | 481,831 | 422,942 | 3,661,195 | 1,464,932 | 2,196,263 |
| November | 4,299,127 | 875,191 | 540,154 | 368,755 | 4,839,281 | 1,243,946 | 3,595,335 |
| December | 4,742,394 | 802,651 | 469,156 | 372,025 | 5,211,550 | 1,174,676 | 4,036,874 |
| Year 2020 | | | | | | | |
| January | 4,227,127 | 1,275,526 | 380,376 | 149,763 | 4,607,503 | 1,425,289 | 3,182,214 |
| February | 4,145,482 | 1,328,868 | 341,262 | 326,366 | 4,486,744 | 1,655,234 | 2,831,510 |
| March | 4,731,546 | 898,868 | 363,374 | 418,438 | 5,094,920 | 1,317,306 | 3,777,614 |
| April | 4,433,870 | 1,112,187 | 253,564 | 363,057 | 4,687,434 | 1,475,244 | 3,212,190 |
| May | 4,958,324 | 1,043,022 | 217,749 | 472,500 | 5,176,073 | 1,515,522 | 3,660,551 |
| June | 4,915,670 | 867,147 | 286,111 | 434,614 | 5,201,781 | 1,301,761 | 3,900,020 |

Source: U.S. Energy Information Administration, Form EIA-111, "Quarterly Electricity Imports and Exports Report."

# Chapter 8

# Puerto Rico

## Table 8.1 Puerto Rico- Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - July 2020 (Thousand Megawatthours)

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| **Annual Totals** | | | | | |
| 2010 | 6,975 | 9,041 | 2,968 | 0 | 18,984 |
| 2011 | 6,587 | 8,832 | 2,832 | 0 | 18,251 |
| 2012 | 6,771 | 8,879 | 2,500 | 0 | 18,150 |
| 2013 | 6,320 | 8,969 | 2,504 | 0 | 17,793 |
| 2014 | 6,218 | 8,761 | 2,376 | 0 | 17,356 |
| 2015 | 6,314 | 8,586 | 2,355 | 0 | 17,255 |
| 2016 | 6,524 | 8,569 | 2,251 | 0 | 17,344 |
| 2017 | 5,045 | 6,820 | 1,747 | 0 | 13,611 |
| 2018 | 6,103 | 8,203 | 2,128 | 0 | 16,434 |
| **Year 2018** | | | | | |
| January | 389 | 559 | 142 | 0 | 1,089 |
| February | 393 | 760 | 175 | 0 | 1,328 |
| March | 450 | 531 | 98 | 0 | 1,080 |
| April | 466 | 784 | 273 | 0 | 1,524 |
| May | 566 | 802 | 165 | 0 | 1,533 |
| June | 507 | 592 | 208 | 0 | 1,308 |
| July | 578 | 681 | 145 | 0 | 1,404 |
| August | 577 | 689 | 209 | 0 | 1,475 |
| Sept | 527 | 722 | 186 | 0 | 1,436 |
| October | 698 | 847 | 191 | 0 | 1,736 |
| November | 457 | 593 | 172 | 0 | 1,222 |
| December | 494 | 642 | 162 | 0 | 1,299 |
| **Year 2019** | | | | | |
| January | 447 | 573 | 154 | 0 | 1,173 |
| February | 367 | 487 | 146 | 0 | 1,000 |
| March | 448 | 650 | 180 | 0 | 1,279 |
| April | 465 | 681 | 165 | 0 | 1,311 |
| May | 512 | 655 | 189 | 0 | 1,355 |
| June | 568 | 692 | 171 | 0 | 1,431 |
| July | 618 | 687 | 181 | 0 | 1,487 |
| August | 594 | 718 | 175 | 0 | 1,487 |
| Sept | 586 | 712 | 166 | 0 | 1,464 |
| October | 587 | 712 | 196 | 0 | 1,495 |
| November | 504 | 677 | 162 | 0 | 1,343 |
| December | 509 | 655 | 165 | 0 | 1,328 |
| **Year 2020** | | | | | |
| January | 475 | 601 | 137 | 0 | 1,213 |
| February | 373 | 540 | 120 | 0 | 1,033 |
| March | 488 | 691 | 184 | 0 | 1,364 |
| April | 510 | 476 | 138 | 0 | 1,124 |
| May | 651 | 500 | 160 | 0 | 1,311 |
| June | 642 | 623 | 173 | 0 | 1,438 |
| July | 704 | 692 | 172 | 0 | 1,567 |
| **Year to Date** | | | | | |
| 2018 | 3,350 | 4,709 | 1,207 | 0 | 9,266 |
| 2019 | 3,425 | 4,425 | 1,185 | 0 | 9,035 |
| 2020 | 3,842 | 4,124 | 1,085 | 0 | 9,051 |
| **Rolling 12 Months Ending in July** | | | | | |
| 2019 | 6,178 | 7,919 | 2,106 | 0 | 16,203 |
| 2020 | 6,622 | 7,599 | 1,948 | 0 | 16,169 |

Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report

## Table 8.2 Puerto Rico- Revenue from Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - July 2020 (Million Dollars)

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| **Annual Totals** | | | | | |
| 2010 | 1,521 | 2,103 | 564 | 0 | 4,188 |
| 2011 | 1,748 | 2,483 | 663 | 0 | 4,894 |
| 2012 | 1,690 | 2,605 | 647 | 0 | 4,942 |
| 2013 | 1,633 | 2,474 | 570 | 0 | 4,678 |
| 2014 | 1,636 | 2,394 | 551 | 0 | 4,581 |
| 2015 | 1,282 | 1,850 | 417 | 0 | 3,549 |
| 2016 | 1,170 | 1,677 | 356 | 0 | 3,203 |
| 2017 | 1,123 | 1,549 | 344 | 0 | 3,016 |
| 2018 | 1,265 | 1,893 | 405 | 0 | 3,564 |
| **Year 2018** | | | | | |
| January | 86 | 159 | 32 | 0 | 277 |
| February | 76 | 171 | 32 | 0 | 279 |
| March | 110 | 149 | 22 | 0 | 281 |
| April | 84 | 161 | 54 | 0 | 300 |
| May | 104 | 165 | 23 | 0 | 292 |
| June | 108 | 133 | 40 | 0 | 281 |
| July | 122 | 166 | 29 | 0 | 317 |
| August | 114 | 149 | 39 | 0 | 302 |
| Sept | 109 | 162 | 34 | 0 | 306 |
| October | 137 | 181 | 36 | 0 | 353 |
| November | 102 | 142 | 34 | 0 | 278 |
| December | 112 | 154 | 31 | 0 | 298 |
| **Year 2019** | | | | | |
| January | 85 | 134 | 30 | 0 | 249 |
| February | 80 | 109 | 29 | 0 | 218 |
| March | 98 | 156 | 37 | 0 | 291 |
| April | 106 | 177 | 36 | 0 | 319 |
| May | 127 | 132 | 41 | 0 | 299 |
| June | 116 | 156 | 36 | 0 | 308 |
| July | 122 | 140 | 32 | 0 | 294 |
| August | 132 | 174 | 37 | 0 | 343 |
| Sept | 113 | 150 | 31 | 0 | 295 |
| October | 126 | 162 | 39 | 0 | 328 |
| November | 107 | 154 | 33 | 0 | 294 |
| December | 118 | 165 | 37 | 0 | 320 |
| **Year 2020** | | | | | |
| January | 122 | 180 | 36 | 0 | 338 |
| February | 99 | 161 | 32 | 0 | 292 |
| March | 87 | 143 | 34 | 0 | 264 |
| April | 85 | 79 | 22 | 0 | 186 |
| May | 151 | 118 | 37 | 0 | 307 |
| June | 109 | 119 | 29 | 0 | 257 |
| July | 141 | 145 | 33 | 0 | 319 |
| **Year to Date** | | | | | |
| 2018 | 690 | 1,104 | 232 | 0 | 2,026 |
| 2019 | 734 | 1,004 | 242 | 0 | 1,980 |
| 2020 | 795 | 945 | 223 | 0 | 1,962 |
| **Rolling 12 Months Ending in July** | | | | | |
| 2019 | 1,309 | 1,794 | 415 | 0 | 3,518 |
| 2020 | 1,391 | 1,750 | 401 | 0 | 3,541 |

Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report

## Table 8.3 Puerto Rico- Number of Ultimate Customers Served by Sector: Total by End-Use Sector, 2010 - July 2020

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| **Annual Totals** | | | | | |
| 2010 | 1,339,703 | 133,029 | 790 | 0 | 1,473,522 |
| 2011 | 1,341,708 | 132,738 | 750 | 0 | 1,475,196 |
| 2012 | 1,349,750 | 131,264 | 721 | 0 | 1,481,735 |
| 2013 | 1,340,989 | 131,034 | 694 | 0 | 1,472,717 |
| 2014 | 1,328,546 | 129,122 | 662 | 0 | 1,458,330 |
| 2015 | 1,326,631 | 127,365 | 647 | 0 | 1,454,643 |
| 2016 | 1,332,152 | 127,179 | 633 | 0 | 1,459,964 |
| 2017 | 1,337,756 | 127,065 | 618 | 0 | 1,465,439 |
| 2018 | 1,346,102 | 126,527 | 602 | 0 | 1,473,231 |
| **Year 2018** | | | | | |
| January | 1,343,369 | 126,955 | 605 | 0 | 1,470,929 |
| February | 1,342,510 | 126,695 | 606 | 0 | 1,469,811 |
| March | 1,343,914 | 126,640 | 607 | 0 | 1,471,161 |
| April | 1,344,684 | 126,489 | 606 | 0 | 1,471,779 |
| May | 1,344,960 | 126,396 | 604 | 0 | 1,471,960 |
| June | 1,344,798 | 126,278 | 604 | 0 | 1,471,680 |
| July | 1,345,450 | 126,221 | 601 | 0 | 1,472,272 |
| August | 1,346,380 | 126,283 | 598 | 0 | 1,473,261 |
| Sept | 1,347,298 | 126,375 | 599 | 0 | 1,474,272 |
| October | 1,348,855 | 126,492 | 597 | 0 | 1,475,944 |
| November | 1,349,924 | 126,702 | 595 | 0 | 1,477,221 |
| December | 1,351,082 | 126,800 | 596 | 0 | 1,478,478 |
| **Year 2019** | | | | | |
| January | 1,347,101 | 126,497 | 601 | 0 | 1,474,199 |
| February | 1,348,081 | 126,423 | 600 | 0 | 1,475,104 |
| March | 1,348,854 | 126,160 | 602 | 0 | 1,475,616 |
| April | 1,347,811 | 125,773 | 597 | 0 | 1,474,181 |
| May | 1,346,893 | 125,615 | 596 | 0 | 1,473,104 |
| June | 1,344,899 | 125,345 | 595 | 0 | 1,470,839 |
| July | 1,344,545 | 125,238 | 595 | 0 | 1,470,378 |
| August | 1,343,253 | 125,095 | 594 | 0 | 1,468,942 |
| Sept | 1,342,243 | 124,954 | 591 | 0 | 1,467,788 |
| October | 1,341,718 | 124,798 | 590 | 0 | 1,467,106 |
| November | 1,341,612 | 124,701 | 589 | 0 | 1,466,902 |
| December | 1,341,424 | 124,911 | 588 | 0 | 1,466,923 |
| **Year 2020** | | | | | |
| January | 1,340,652 | 124,815 | 588 | 0 | 1,466,055 |
| February | 1,340,005 | 124,751 | 586 | 0 | 1,465,342 |
| March | 1,339,508 | 124,615 | 584 | 0 | 1,464,707 |
| April | 1,339,991 | 124,604 | 585 | 0 | 1,465,180 |
| May | 1,340,943 | 124,631 | 585 | 0 | 1,466,159 |
| June | 1,341,826 | 124,641 | 586 | 0 | 1,467,053 |
| July | 1,343,139 | 124,665 | 587 | 0 | 1,468,391 |
| **Rolling 12 Months Ending in July** | | | | | |
| 2019 | 1,347,644 | 126,142 | 598 | 0 | 1,474,383 |
| 2020 | 1,341,360 | 124,765 | 588 | 0 | 1,466,712 |

Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report

## Table 8.4 Puerto Rico- Average Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - July 2020 (Cents per Kilowatthour)

| Period | Residential | Commercial | Industrial | Transportation | All Sectors |
|---|---|---|---|---|---|
| **Annual Totals** | | | | | |
| 2010 | 21.80 | 23.26 | 19.01 | -- | 22.06 |
| 2011 | 26.54 | 28.11 | 23.39 | -- | 26.82 |
| 2012 | 24.96 | 29.34 | 25.89 | -- | 27.23 |
| 2013 | 25.84 | 27.59 | 22.77 | -- | 26.29 |
| 2014 | 26.31 | 27.33 | 23.18 | -- | 26.39 |
| 2015 | 20.31 | 21.55 | 17.71 | -- | 20.57 |
| 2016 | 17.93 | 19.57 | 15.83 | -- | 18.47 |
| 2017 | 22.26 | 22.72 | 19.70 | -- | 22.16 |
| 2018 | 20.73 | 23.08 | 19.04 | -- | 21.68 |
| **Year 2018** | | | | | |
| January | 22.11 | 28.53 | 22.32 | -- | 25.43 |
| February | 19.32 | 22.48 | 18.45 | -- | 21.02 |
| March | 24.40 | 27.97 | 22.42 | -- | 25.98 |
| April | 18.09 | 20.56 | 19.86 | -- | 19.68 |
| May | 18.38 | 20.61 | 13.77 | -- | 19.05 |
| June | 21.24 | 22.46 | 19.23 | -- | 21.47 |
| July | 21.17 | 24.32 | 19.78 | -- | 22.56 |
| August | 19.81 | 21.63 | 18.51 | -- | 20.48 |
| Sept | 20.75 | 22.50 | 18.18 | -- | 21.30 |
| October | 19.59 | 21.36 | 18.69 | -- | 20.35 |
| November | 22.31 | 24.00 | 19.55 | -- | 22.74 |
| December | 22.77 | 24.05 | 19.33 | -- | 22.97 |
| **Year 2019** | | | | | |
| January | 19.07 | 23.38 | 19.78 | -- | 21.26 |
| February | 21.85 | 22.35 | 20.14 | -- | 21.84 |
| March | 21.84 | 24.03 | 20.33 | -- | 22.74 |
| April | 22.89 | 25.94 | 21.91 | -- | 24.35 |
| May | 24.71 | 20.19 | 21.60 | -- | 22.09 |
| June | 20.37 | 22.61 | 21.26 | -- | 21.56 |
| July | 19.72 | 20.39 | 17.90 | -- | 19.80 |
| August | 22.22 | 24.21 | 21.16 | -- | 23.06 |
| Sept | 19.36 | 21.02 | 18.93 | -- | 20.12 |
| October | 21.50 | 22.80 | 19.96 | -- | 21.92 |
| November | 21.15 | 22.74 | 20.65 | -- | 21.89 |
| December | 23.13 | 25.19 | 22.62 | -- | 24.09 |
| **Year 2020** | | | | | |
| January | 25.72 | 29.96 | 26.04 | -- | 27.86 |
| February | 26.63 | 29.78 | 26.48 | -- | 28.26 |
| March | 17.80 | 20.68 | 18.38 | -- | 19.34 |
| April | 16.75 | 16.58 | 15.81 | -- | 16.56 |
| May | 23.24 | 23.63 | 23.21 | -- | 23.38 |
| June | 16.99 | 19.03 | 16.89 | -- | 17.86 |
| July | 20.06 | 20.93 | 19.14 | -- | 20.35 |
| **Year to Date** | | | | | |
| 2018 | 20.61 | 23.44 | 19.20 | -- | 21.87 |
| 2019 | 21.42 | 22.70 | 20.42 | -- | 21.92 |
| 2020 | 20.69 | 22.90 | 20.52 | -- | 21.68 |
| **Rolling 12 Months Ending in July** | | | | | |
| 2019 | 21.18 | 22.65 | 19.72 | -- | 21.71 |
| 2020 | 21.01 | 23.02 | 20.57 | -- | 21.90 |

Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report

## Table 8.5. Net Summer Capacity (MW) of Existing Utility Scale Units by Technology for Puerto Rico, 2007-July 2020

| Period | Coal | Hydroelectric Conventional | Natural Gas | Other | Petroleum | Solar | Wind | Total |
|---|---|---|---|---|---|---|---|---|
| Annual Totals | | | | | | | | |
| 2007 | 454 | 98 | 1,346 | 0 | 3,049 | 0 | 0 | 4,947 |
| 2008 | 454 | 98 | 1,346 | 0 | 3,480 | 0 | 0 | 5,378 |
| 2009 | 454 | 98 | 1,346 | 0 | 3,600 | 0 | 0 | 5,498 |
| 2010 | 454 | 98 | 1,346 | 0 | 3,600 | 0 | 0 | 5,498 |
| 2011 | 454 | 98 | 1,346 | 0 | 3,600 | 5 | 0 | 5,503 |
| 2012 | 454 | 98 | 1,346 | 0 | 3,600 | 23 | 98 | 5,619 |
| 2013 | 454 | 98 | 1,346 | 0 | 3,600 | 26 | 98 | 5,622 |
| 2014 | 454 | 98 | 1,346 | 0 | 3,600 | 38 | 99 | 5,635 |
| 2015 | 454 | 98 | 1,346 | 9 | 3,604 | 70 | 99 | 5,680 |
| 2016 | 454 | 98 | 1,346 | 33 | 3,604 | 145 | 99 | 5,779 |
| 2017 | 454 | 98 | 1,346 | 35 | 3,605 | 145 | 99 | 5,782 |
| 2018 | 454 | 98 | 1,346 | 35 | 3,607 | 145 | 99 | 5,784 |
| 2019 | 454 | 98 | 1,346 | 35 | 3,607 | 149 | 99 | 5,788 |
| Year 2020 | | | | | | | | |
| January | 454 | 98 | 1,346 | 33 | 3,606 | 145 | 99 | 5,780 |
| February | 454 | 98 | 1,346 | 33 | 3,606 | 155 | 99 | 5,790 |
| March | 454 | 98 | 1,346 | 33 | 3,606 | 155 | 99 | 5,790 |
| April | 454 | 98 | 1,346 | 33 | 3,607 | 155 | 99 | 5,791 |
| May | 454 | 98 | 1,346 | 33 | 3,607 | 155 | 99 | 5,791 |
| June | 454 | 98 | 1,346 | 33 | 3,607 | 155 | 99 | 5,791 |
| July | 454 | 98 | 1,346 | 33 | 3,607 | 155 | 99 | 5,791 |

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

# Appendices

## Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **22** | **22** | **0** | **3** | **0** | **0** | **18** |
| Connecticut | 0 | 42 | 0 | 3 | 0 | 0 | 47 |
| Maine | 34 | 45 | 0 | 17 | 0 | 0 | 20 |
| Massachusetts | 0 | 23 | 0 | 4 | 0 | 0 | 33 |
| New Hampshire | 0 | 49 | 0 | 0 | 0 | 0 | 43 |
| Rhode Island | 0 | 200 | 0 | 11 | 0 | 0 | 0 |
| Vermont | 0 | 90 | 0 | 0 | 0 | 0 | 32 |
| **Middle Atlantic** | **2** | **11** | **0** | **1** | **62** | **0** | **4** |
| New Jersey | 0 | 67 | 0 | 3 | 0 | 0 | 0 |
| New York | 0 | 13 | 0 | 2 | 0 | 0 | 3 |
| Pennsylvania | 2 | 17 | 0 | 1 | 132 | 0 | 18 |
| **East North Central** | **1** | **6** | **10** | **2** | **25** | **0** | **12** |
| Illinois | 0 | 11 | 0 | 7 | 0 | 0 | 49 |
| Indiana | 1 | 2 | 0 | 4 | 29 | 0 | 85 |
| Michigan | 2 | 7 | 0 | 3 | 0 | 0 | 19 |
| Ohio | 1 | 9 | 19 | 3 | 106 | 0 | 77 |
| Wisconsin | 0 | 59 | 0 | 6 | 0 | 0 | 15 |
| **West North Central** | **1** | **13** | **0** | **7** | **0** | **0** | **7** |
| Iowa | 0 | 17 | 0 | 8 | 0 | 0 | 24 |
| Kansas | 0 | 17 | 0 | 20 | 0 | 0 | 0 |
| Minnesota | 3 | 67 | 0 | 11 | 0 | 0 | 23 |
| Missouri | 0 | 14 | 0 | 11 | 0 | 0 | 62 |
| Nebraska | 4 | 134 | 0 | 27 | 0 | 0 | 20 |
| North Dakota | 0 | 14 | 0 | 28 | 0 | 0 | 13 |
| South Dakota | 0 | 126 | 0 | 27 | 0 | 0 | 9 |
| **South Atlantic** | **0** | **5** | **4** | **1** | **0** | **0** | **16** |
| Delaware | 0 | 55 | 0 | 8 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 4 | 0 | 1 | 0 | 0 | 74 |
| Georgia | 0 | 14 | 40 | 3 | 0 | 0 | 27 |
| Maryland | 0 | 5 | 0 | 4 | 0 | 0 | 9 |
| North Carolina | 0 | 20 | 0 | 2 | 0 | 0 | 14 |
| South Carolina | 0 | 22 | 0 | 2 | 0 | 0 | 35 |
| Virginia | 0 | 8 | 0 | 2 | 0 | 0 | 28 |
| West Virginia | 1 | 0 | 0 | 11 | 0 | 0 | 25 |
| **East South Central** | **0** | **2** | **0** | **1** | **108** | **0** | **9** |
| Alabama | 0 | 39 | 0 | 2 | 309 | 0 | 12 |
| Kentucky | 0 | 1 | 0 | 4 | 0 | 0 | 12 |
| Mississippi | 0 | 4 | 0 | 2 | 0 | 0 | 0 |
| Tennessee | 0 | 1 | 0 | 5 | 0 | 0 | 12 |
| **West South Central** | **2** | **6** | **7** | **1** | **8** | **0** | **23** |
| Arkansas | 0 | 0 | 0 | 6 | 0 | 0 | 30 |
| Louisiana | 37 | 91 | 7 | 2 | 14 | 0 | 31 |
| Oklahoma | 0 | 2 | 0 | 2 | 0 | 0 | 28 |
| Texas | 0 | 9 | 34 | 1 | 6 | 0 | 54 |
| **Mountain** | **1** | **8** | **0** | **1** | **0** | **0** | **4** |
| Arizona | 0 | 5 | 0 | 1 | 0 | 0 | 4 |
| Colorado | 0 | 93 | 0 | 2 | 0 | 0 | 18 |
| Idaho | 150 | 0 | 0 | 14 | 0 | 0 | 8 |
| Montana | 8 | 128 | 0 | 46 | 0 | 0 | 7 |
| Nevada | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| New Mexico | 0 | 31 | 0 | 3 | 0 | 0 | 68 |
| Utah | 0 | 4 | 0 | 2 | 0 | 0 | 26 |
| Wyoming | 3 | 3 | 0 | 14 | 0 | 0 | 25 |
| **Pacific Contiguous** | **0** | **15** | **0** | **1** | **2** | **0** | **1** |
| California | 0 | 18 | 0 | 1 | 3 | 0 | 5 |
| Oregon | 0 | 0 | 0 | 6 | 0 | 0 | 4 |
| Washington | 0 | 32 | 0 | 8 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **15** | **1** | **0** | **22** | **0** | **0** | **19** |
| Alaska | 52 | 5 | 0 | 22 | 0 | 0 | 19 |
| Hawaii | 0 | 1 | 0 | 0 | 0 | 0 | 75 |
| **U.S. Total** | **0** | **2** | **5** | **1** | **7** | **0** | **3** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Total (All Sectors) by Census Division and State, July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **6** | **7** | **0** | **1** | **2** |
| Connecticut | 0 | 0 | 0 | 18 | 17 | 0 | 0 | 2 |
| Maine | 0 | 0 | 0 | 70 | 11 | 0 | 0 | 9 |
| Massachusetts | 0 | 0 | 0 | 7 | 7 | 0 | 1 | 4 |
| New Hampshire | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 3 |
| Rhode Island | 0 | 0 | 0 | 26 | 15 | 0 | 0 | 11 |
| Vermont | 0 | 0 | 0 | 20 | 19 | 0 | 0 | 18 |
| **Middle Atlantic** | **0** | **0** | **0** | **6** | **5** | **0** | **1** | **1** |
| New Jersey | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 2 |
| New York | 0 | 0 | 0 | 10 | 7 | 0 | 2 | 1 |
| Pennsylvania | 0 | 0 | 0 | 25 | 9 | 0 | 0 | 1 |
| **East North Central** | **0** | **0** | **0** | **8** | **5** | **0** | **2** | **1** |
| Illinois | 0 | 0 | 0 | 24 | 7 | 0 | 0 | 2 |
| Indiana | 0 | 0 | 0 | 13 | 10 | 0 | 0 | 2 |
| Michigan | 0 | 0 | 0 | 18 | 9 | 0 | 17 | 1 |
| Ohio | 0 | 0 | 0 | 12 | 7 | 0 | 0 | 2 |
| Wisconsin | 0 | 0 | 0 | 33 | 12 | 0 | 15 | 2 |
| **West North Central** | **0** | **0** | **0** | **6** | **3** | **0** | **6** | **1** |
| Iowa | 0 | 0 | 0 | 61 | 6 | 0 | 0 | 2 |
| Kansas | 0 | 0 | 0 | 20 | 3 | 0 | 0 | 2 |
| Minnesota | 0 | 0 | 0 | 7 | 7 | 0 | 4 | 3 |
| Missouri | 0 | 0 | 0 | 24 | 9 | 0 | 0 | 2 |
| Nebraska | 0 | 0 | 0 | 39 | 6 | 0 | 0 | 3 |
| North Dakota | 0 | 0 | 0 | 0 | 7 | 0 | 33 | 2 |
| South Dakota | 0 | 0 | 0 | 174 | 10 | 0 | 0 | 7 |
| **South Atlantic** | **0** | **0** | **0** | **1** | **2** | **0** | **0** | **0** |
| Delaware | 0 | 0 | 0 | 33 | 23 | 0 | 0 | 7 |
| District of Columbia | 0 | 0 | 0 | 81 | 26 | 0 | 0 | 14 |
| Florida | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 |
| Georgia | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 2 |
| Maryland | 0 | 0 | 0 | 10 | 11 | 0 | 0 | 2 |
| North Carolina | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 |
| South Carolina | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 1 |
| Virginia | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 1 |
| West Virginia | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 1 |
| **East South Central** | **0** | **0** | **0** | **6** | **3** | **0** | **6** | **1** |
| Alabama | 0 | 0 | 0 | 11 | 5 | 0 | 0 | 1 |
| Kentucky | 0 | 0 | 0 | 27 | 17 | 0 | 0 | 1 |
| Mississippi | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 1 |
| Tennessee | 0 | 0 | 0 | 13 | 9 | 0 | 55 | 1 |
| **West South Central** | **0** | **0** | **0** | **1** | **1** | **0** | **3** | **1** |
| Arkansas | 0 | 0 | 0 | 5 | 8 | 0 | 0 | 2 |
| Louisiana | 0 | 0 | 0 | 183 | 8 | 0 | 0 | 2 |
| Oklahoma | 0 | 0 | 0 | 32 | 3 | 0 | 0 | 2 |
| Texas | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 1 |
| **Mountain** | **0** | **5** | **0** | **2** | **2** | **0** | **4** | **1** |
| Arizona | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 1 |
| Idaho | 0 | 22 | 0 | 8 | 13 | 0 | 0 | 6 |
| Montana | 0 | 0 | 0 | 41 | 17 | 0 | 0 | 5 |
| Nevada | 0 | 5 | 0 | 2 | 2 | 0 | 0 | 1 |
| New Mexico | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 1 |
| Utah | 0 | 10 | 0 | 5 | 4 | 0 | 35 | 1 |
| Wyoming | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 3 |
| **Pacific Contiguous** | **0** | **2** | **0** | **1** | **2** | **0** | **2** | **1** |
| California | 0 | 2 | 0 | 1 | 2 | 0 | 2 | 1 |
| Oregon | 0 | 16 | 0 | 8 | 5 | 0 | 0 | 3 |
| Washington | 0 | 0 | 0 | 54 | 8 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **0** | **21** | **0** | **10** | **11** | **0** | **0** | **6** |
| Alaska | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 13 |
| Hawaii | 0 | 21 | 0 | 10 | 10 | 0 | 0 | 2 |
| **U.S. Total** | **0** | **2** | **0** | **1** | **1** | **0** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Total (All Sectors) by Census Division and State, Year-to-Date through July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **22** | **22** | **0** | **3** | **0** | **0** | **18** |
| Connecticut | 0 | 42 | 0 | 3 | 0 | 0 | 47 |
| Maine | 34 | 45 | 0 | 17 | 0 | 0 | 20 |
| Massachusetts | 0 | 23 | 0 | 4 | 0 | 0 | 33 |
| New Hampshire | 0 | 49 | 0 | 0 | 0 | 0 | 43 |
| Rhode Island | 0 | 200 | 0 | 11 | 0 | 0 | 0 |
| Vermont | 0 | 90 | 0 | 0 | 0 | 0 | 32 |
| **Middle Atlantic** | **2** | **11** | **0** | **1** | **62** | **0** | **4** |
| New Jersey | 0 | 67 | 0 | 3 | 0 | 0 | 0 |
| New York | 0 | 13 | 0 | 2 | 0 | 0 | 3 |
| Pennsylvania | 2 | 17 | 0 | 1 | 132 | 0 | 18 |
| **East North Central** | **1** | **6** | **10** | **2** | **25** | **0** | **12** |
| Illinois | 0 | 11 | 0 | 7 | 0 | 0 | 49 |
| Indiana | 1 | 2 | 0 | 4 | 29 | 0 | 85 |
| Michigan | 2 | 7 | 0 | 3 | 0 | 0 | 19 |
| Ohio | 1 | 9 | 19 | 3 | 106 | 0 | 77 |
| Wisconsin | 0 | 59 | 0 | 6 | 0 | 0 | 15 |
| **West North Central** | **1** | **13** | **0** | **7** | **0** | **0** | **7** |
| Iowa | 0 | 17 | 0 | 8 | 0 | 0 | 24 |
| Kansas | 0 | 17 | 0 | 20 | 0 | 0 | 0 |
| Minnesota | 3 | 67 | 0 | 11 | 0 | 0 | 23 |
| Missouri | 0 | 14 | 0 | 11 | 0 | 0 | 62 |
| Nebraska | 4 | 134 | 0 | 27 | 0 | 0 | 20 |
| North Dakota | 0 | 14 | 0 | 28 | 0 | 0 | 13 |
| South Dakota | 0 | 126 | 0 | 27 | 0 | 0 | 9 |
| **South Atlantic** | **0** | **5** | **4** | **1** | **0** | **0** | **16** |
| Delaware | 0 | 55 | 0 | 8 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 4 | 0 | 1 | 0 | 0 | 74 |
| Georgia | 0 | 14 | 40 | 3 | 0 | 0 | 27 |
| Maryland | 0 | 5 | 0 | 4 | 0 | 0 | 9 |
| North Carolina | 0 | 20 | 0 | 2 | 0 | 0 | 14 |
| South Carolina | 0 | 22 | 0 | 2 | 0 | 0 | 35 |
| Virginia | 0 | 8 | 0 | 2 | 0 | 0 | 28 |
| West Virginia | 1 | 0 | 0 | 11 | 0 | 0 | 25 |
| **East South Central** | **0** | **2** | **0** | **1** | **108** | **0** | **9** |
| Alabama | 0 | 39 | 0 | 2 | 309 | 0 | 12 |
| Kentucky | 0 | 1 | 0 | 4 | 0 | 0 | 12 |
| Mississippi | 0 | 4 | 0 | 2 | 0 | 0 | 0 |
| Tennessee | 0 | 1 | 0 | 5 | 0 | 0 | 12 |
| **West South Central** | **2** | **6** | **7** | **1** | **8** | **0** | **23** |
| Arkansas | 0 | 0 | 0 | 6 | 0 | 0 | 30 |
| Louisiana | 37 | 91 | 7 | 2 | 14 | 0 | 31 |
| Oklahoma | 0 | 2 | 0 | 2 | 0 | 0 | 28 |
| Texas | 0 | 9 | 34 | 1 | 6 | 0 | 54 |
| **Mountain** | **1** | **8** | **0** | **1** | **0** | **0** | **4** |
| Arizona | 0 | 5 | 0 | 1 | 0 | 0 | 4 |
| Colorado | 0 | 93 | 0 | 2 | 0 | 0 | 18 |
| Idaho | 150 | 0 | 0 | 14 | 0 | 0 | 8 |
| Montana | 8 | 128 | 0 | 46 | 0 | 0 | 7 |
| Nevada | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| New Mexico | 0 | 31 | 0 | 3 | 0 | 0 | 68 |
| Utah | 0 | 4 | 0 | 2 | 0 | 0 | 26 |
| Wyoming | 3 | 3 | 0 | 14 | 0 | 0 | 25 |
| **Pacific Contiguous** | **0** | **15** | **0** | **1** | **2** | **0** | **1** |
| California | 0 | 18 | 0 | 1 | 3 | 0 | 5 |
| Oregon | 0 | 0 | 0 | 6 | 0 | 0 | 4 |
| Washington | 0 | 32 | 0 | 8 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **15** | **1** | **0** | **22** | **0** | **0** | **19** |
| Alaska | 52 | 5 | 0 | 22 | 0 | 0 | 19 |
| Hawaii | 0 | 1 | 0 | 0 | 0 | 0 | 75 |
| **U.S. Total** | **0** | **2** | **5** | **1** | **7** | **0** | **3** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Total (All Sectors) by Census Division and State, Year-to-Date through July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **6** | **7** | **0** | **1** | **2** |
| Connecticut | 0 | 0 | 0 | 18 | 17 | 0 | 0 | 2 |
| Maine | 0 | 0 | 0 | 70 | 11 | 0 | 0 | 9 |
| Massachusetts | 0 | 0 | 0 | 7 | 7 | 0 | 1 | 4 |
| New Hampshire | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 3 |
| Rhode Island | 0 | 0 | 0 | 26 | 15 | 0 | 0 | 11 |
| Vermont | 0 | 0 | 0 | 20 | 19 | 0 | 0 | 18 |
| **Middle Atlantic** | **0** | **0** | **0** | **6** | **5** | **0** | **1** | **1** |
| New Jersey | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 2 |
| New York | 0 | 0 | 0 | 10 | 7 | 0 | 2 | 1 |
| Pennsylvania | 0 | 0 | 0 | 25 | 9 | 0 | 0 | 1 |
| **East North Central** | **0** | **0** | **0** | **8** | **5** | **0** | **2** | **1** |
| Illinois | 0 | 0 | 0 | 24 | 7 | 0 | 0 | 2 |
| Indiana | 0 | 0 | 0 | 13 | 10 | 0 | 0 | 2 |
| Michigan | 0 | 0 | 0 | 18 | 9 | 0 | 17 | 1 |
| Ohio | 0 | 0 | 0 | 12 | 7 | 0 | 0 | 2 |
| Wisconsin | 0 | 0 | 0 | 33 | 12 | 0 | 15 | 2 |
| **West North Central** | **0** | **0** | **0** | **6** | **3** | **0** | **6** | **1** |
| Iowa | 0 | 0 | 0 | 61 | 6 | 0 | 0 | 2 |
| Kansas | 0 | 0 | 0 | 20 | 3 | 0 | 0 | 2 |
| Minnesota | 0 | 0 | 0 | 7 | 7 | 0 | 4 | 3 |
| Missouri | 0 | 0 | 0 | 24 | 9 | 0 | 0 | 2 |
| Nebraska | 0 | 0 | 0 | 39 | 6 | 0 | 0 | 3 |
| North Dakota | 0 | 0 | 0 | 0 | 7 | 0 | 33 | 2 |
| South Dakota | 0 | 0 | 0 | 174 | 10 | 0 | 0 | 7 |
| **South Atlantic** | **0** | **0** | **0** | **1** | **2** | **0** | **0** | **0** |
| Delaware | 0 | 0 | 0 | 33 | 23 | 0 | 0 | 7 |
| District of Columbia | 0 | 0 | 0 | 81 | 26 | 0 | 0 | 14 |
| Florida | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 |
| Georgia | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 2 |
| Maryland | 0 | 0 | 0 | 10 | 11 | 0 | 0 | 2 |
| North Carolina | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 |
| South Carolina | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 1 |
| Virginia | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 1 |
| West Virginia | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 1 |
| **East South Central** | **0** | **0** | **0** | **6** | **3** | **0** | **6** | **1** |
| Alabama | 0 | 0 | 0 | 11 | 5 | 0 | 0 | 1 |
| Kentucky | 0 | 0 | 0 | 27 | 17 | 0 | 0 | 1 |
| Mississippi | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 1 |
| Tennessee | 0 | 0 | 0 | 13 | 9 | 0 | 55 | 1 |
| **West South Central** | **0** | **0** | **0** | **1** | **1** | **0** | **3** | **1** |
| Arkansas | 0 | 0 | 0 | 5 | 8 | 0 | 0 | 2 |
| Louisiana | 0 | 0 | 0 | 183 | 8 | 0 | 0 | 2 |
| Oklahoma | 0 | 0 | 0 | 32 | 3 | 0 | 0 | 2 |
| Texas | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 1 |
| **Mountain** | **0** | **5** | **0** | **2** | **2** | **0** | **4** | **1** |
| Arizona | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 1 |
| Idaho | 0 | 22 | 0 | 8 | 13 | 0 | 0 | 6 |
| Montana | 0 | 0 | 0 | 41 | 17 | 0 | 0 | 5 |
| Nevada | 0 | 5 | 0 | 2 | 2 | 0 | 0 | 1 |
| New Mexico | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 1 |
| Utah | 0 | 10 | 0 | 5 | 4 | 0 | 35 | 1 |
| Wyoming | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 3 |
| **Pacific Contiguous** | **0** | **2** | **0** | **1** | **2** | **0** | **2** | **1** |
| California | 0 | 2 | 0 | 1 | 2 | 0 | 2 | 1 |
| Oregon | 0 | 16 | 0 | 8 | 5 | 0 | 0 | 3 |
| Washington | 0 | 0 | 0 | 54 | 8 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **0** | **21** | **0** | **10** | **11** | **0** | **0** | **6** |
| Alaska | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 13 |
| Hawaii | 0 | 21 | 0 | 10 | 10 | 0 | 0 | 2 |
| **U.S. Total** | **0** | **2** | **0** | **1** | **1** | **0** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.1.C. Relative Standard Error (Percent) for Small Scale Solar Generation and Capacity by Sector, Census Division and State, July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **0** | **1** | **1** | . | **0** |
| Connecticut | 0 | 0 | 0 | . | 0 |
| Maine | 1 | 2 | 0 | . | 1 |
| Massachusetts | 0 | 1 | 2 | . | 0 |
| New Hampshire | 1 | 0 | 0 | . | 0 |
| Rhode Island | 0 | 0 | 0 | . | 0 |
| Vermont | 3 | 10 | 75 | . | 4 |
| **Middle Atlantic** | **0** | **1** | **2** | . | **0** |
| New Jersey | 0 | 1 | 3 | . | 0 |
| New York | 0 | 0 | 1 | . | 0 |
| Pennsylvania | 1 | 3 | 1 | . | 1 |
| **East North Central** | **6** | **4** | **7** | . | **3** |
| Illinois | 8 | 6 | 0 | . | 5 |
| Indiana | 17 | 4 | 0 | . | 8 |
| Michigan | 10 | 23 | 91 | . | 10 |
| Ohio | 15 | 5 | 9 | . | 6 |
| Wisconsin | 26 | 23 | 12 | . | 16 |
| **West North Central** | **1** | **1** | **5** | . | **1** |
| Iowa | 3 | 1 | 24 | . | 1 |
| Kansas | 5 | 3 | 0 | . | 3 |
| Minnesota | 2 | 3 | 4 | . | 2 |
| Missouri | 1 | 1 | 6 | . | 1 |
| Nebraska | 7 | 17 | 32 | . | 7 |
| North Dakota | 0 | 0 | 0 | . | 0 |
| South Dakota | 0 | 0 | 0 | . | 0 |
| **South Atlantic** | **2** | **2** | **2** | . | **2** |
| Delaware | 9 | 5 | 21 | . | 7 |
| District of Columbia | 0 | 0 | 0 | . | 0 |
| Florida | 5 | 6 | 2 | . | 4 |
| Georgia | 240 | 43 | 0 | . | 134 |
| Maryland | 2 | 2 | 3 | . | 1 |
| North Carolina | 9 | 3 | 0 | . | 7 |
| South Carolina | 8 | 7 | 0 | . | 6 |
| Virginia | 12 | 5 | 5 | . | 8 |
| West Virginia | 0 | 0 | 0 | . | 0 |
| **East South Central** | **9** | **4** | **0** | . | **6** |
| Alabama | 0 | 0 | 0 | . | 0 |
| Kentucky | 10 | 5 | 0 | . | 8 |
| Mississippi | 22 | 10 | 0 | . | 13 |
| Tennessee | 0 | 0 | 0 | . | 0 |
| **West South Central** | **4** | **5** | **5** | . | **3** |
| Arkansas | 18 | 16 | 0 | . | 12 |
| Louisiana | 5 | 8 | 0 | . | 5 |
| Oklahoma | 23 | 16 | 0 | . | 18 |
| Texas | 5 | 7 | 0 | . | 5 |
| **Mountain** | **0** | **0** | **1** | . | **0** |
| Arizona | 0 | 0 | 0 | . | 0 |
| Colorado | 3 | 1 | 28 | . | 2 |
| Idaho | 2 | 2 | 0 | . | 2 |
| Montana | 9 | 2 | 0 | . | 7 |
| Nevada | 0 | 0 | 0 | . | 0 |
| New Mexico | 3 | 1 | 52 | . | 2 |
| Utah | 1 | 1 | 0 | . | 1 |
| Wyoming | 15 | 14 | 0 | . | 12 |
| **Pacific Contiguous** | **0** | **0** | **0** | . | **0** |
| California | 0 | 0 | 0 | . | 0 |
| Oregon | 1 | 1 | 8 | . | 1 |
| Washington | 2 | 3 | 33 | . | 1 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | . | **0** |
| Alaska | 3 | 3 | 0 | . | 2 |
| Hawaii | 0 | 0 | 0 | . | 0 |
| **U.S. Total** | **0** | **0** | **0** | . | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **0** | **44** | **0** | **38** | **0** | **0** | **34** |
| Connecticut | 0 | 51 | 0 | 0 | 0 | 0 | 124 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 541 |
| Massachusetts | 0 | 76 | 0 | 44 | 0 | 0 | 70 |
| New Hampshire | 0 | 26 | 0 | 0 | 0 | 0 | 54 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 101 | 0 | 0 | 0 | 0 | 57 |
| **Middle Atlantic** | **0** | **11** | **0** | **5** | **0** | **0** | **1** |
| New Jersey | 0 | 0 | 0 | 73 | 0 | 0 | 0 |
| New York | 0 | 11 | 0 | 5 | 0 | 0 | 1 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **1** | **7** | **0** | **4** | **0** | **0** | **12** |
| Illinois | 0 | 57 | 0 | 17 | 0 | 0 | 67 |
| Indiana | 1 | 2 | 0 | 8 | 0 | 0 | 85 |
| Michigan | 2 | 7 | 0 | 5 | 0 | 0 | 20 |
| Ohio | 12 | 43 | 0 | 9 | 0 | 0 | 76 |
| Wisconsin | 0 | 62 | 0 | 6 | 0 | 0 | 16 |
| **West North Central** | **1** | **13** | **0** | **7** | **0** | **0** | **7** |
| Iowa | 0 | 17 | 0 | 8 | 0 | 0 | 24 |
| Kansas | 0 | 17 | 0 | 21 | 0 | 0 | 0 |
| Minnesota | 3 | 75 | 0 | 12 | 0 | 0 | 28 |
| Missouri | 0 | 14 | 0 | 14 | 0 | 0 | 62 |
| Nebraska | 4 | 134 | 0 | 27 | 0 | 0 | 20 |
| North Dakota | 0 | 14 | 0 | 29 | 0 | 0 | 13 |
| South Dakota | 0 | 126 | 0 | 27 | 0 | 0 | 9 |
| **South Atlantic** | **0** | **5** | **0** | **1** | **0** | **0** | **17** |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 4 | 0 | 1 | 0 | 0 | 74 |
| Georgia | 0 | 10 | 0 | 3 | 0 | 0 | 27 |
| Maryland | 0 | 76 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 21 | 0 | 2 | 0 | 0 | 14 |
| South Carolina | 0 | 28 | 0 | 2 | 0 | 0 | 32 |
| Virginia | 0 | 11 | 0 | 3 | 0 | 0 | 26 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| **East South Central** | **0** | **1** | **0** | **2** | **0** | **0** | **9** |
| Alabama | 0 | 0 | 0 | 5 | 0 | 0 | 12 |
| Kentucky | 0 | 1 | 0 | 5 | 0 | 0 | 11 |
| Mississippi | 0 | 6 | 0 | 2 | 0 | 0 | 0 |
| Tennessee | 0 | 1 | 0 | 5 | 0 | 0 | 12 |
| **West South Central** | **3** | **7** | **7** | **2** | **0** | **0** | **28** |
| Arkansas | 0 | 0 | 0 | 6 | 0 | 0 | 31 |
| Louisiana | 38 | 91 | 7 | 3 | 0 | 0 | 0 |
| Oklahoma | 0 | 2 | 0 | 3 | 0 | 0 | 28 |
| Texas | 0 | 11 | 0 | 4 | 0 | 0 | 56 |
| **Mountain** | **1** | **9** | **0** | **1** | **0** | **0** | **4** |
| Arizona | 0 | 5 | 0 | 1 | 0 | 0 | 4 |
| Colorado | 0 | 93 | 0 | 2 | 0 | 0 | 19 |
| Idaho | 0 | 0 | 0 | 16 | 0 | 0 | 8 |
| Montana | 0 | 588 | 0 | 49 | 0 | 0 | 7 |
| Nevada | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| New Mexico | 0 | 31 | 0 | 4 | 0 | 0 | 68 |
| Utah | 0 | 4 | 0 | 2 | 0 | 0 | 26 |
| Wyoming | 3 | 3 | 0 | 21 | 0 | 0 | 25 |
| **Pacific Contiguous** | **0** | **19** | **0** | **3** | **0** | **0** | **1** |
| California | 0 | 22 | 0 | 2 | 0 | 0 | 5 |
| Oregon | 0 | 0 | 0 | 10 | 0 | 0 | 3 |
| Washington | 0 | 216 | 0 | 11 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **90** | **1** | **0** | **22** | **0** | **0** | **20** |
| Alaska | 90 | 5 | 0 | 22 | 0 | 0 | 20 |
| Hawaii | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **2** | **4** | **1** | **0** | **0** | **2** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Electric Utilities by Census Division and State, July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **23** | **16** | **0** | **0** | **20** |
| Connecticut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 541 |
| Massachusetts | 0 | 0 | 0 | 30 | 36 | 0 | 0 | 33 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 35 | 17 | 0 | 0 | 22 |
| **Middle Atlantic** | **0** | **0** | **0** | **26** | **26** | **0** | **0** | **2** |
| New Jersey | 0 | 0 | 0 | 26 | 26 | 0 | 0 | 24 |
| New York | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **0** | **0** | **14** | **12** | **0** | **31** | **1** |
| Illinois | 0 | 0 | 0 | 52 | 24 | 0 | 0 | 12 |
| Indiana | 0 | 0 | 0 | 20 | 12 | 0 | 0 | 2 |
| Michigan | 0 | 0 | 0 | 14 | 16 | 0 | 0 | 2 |
| Ohio | 0 | 0 | 0 | 86 | 143 | 0 | 0 | 7 |
| Wisconsin | 0 | 0 | 0 | 105 | 21 | 0 | 33 | 2 |
| **West North Central** | **0** | **0** | **0** | **45** | **5** | **0** | **9** | **1** |
| Iowa | 0 | 0 | 0 | 81 | 5 | 0 | 0 | 2 |
| Kansas | 0 | 0 | 0 | 174 | 10 | 0 | 0 | 3 |
| Minnesota | 0 | 0 | 0 | 132 | 17 | 0 | 0 | 3 |
| Missouri | 0 | 0 | 0 | 53 | 35 | 0 | 0 | 2 |
| Nebraska | 0 | 0 | 0 | 121 | 40 | 0 | 0 | 4 |
| North Dakota | 0 | 0 | 0 | 0 | 13 | 0 | 33 | 2 |
| South Dakota | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 8 |
| **South Atlantic** | **0** | **0** | **0** | **1** | **3** | **0** | **0** | **0** |
| Delaware | 0 | 0 | 0 | 92 | 92 | 0 | 0 | 6 |
| Florida | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Georgia | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 1 |
| Maryland | 0 | 0 | 0 | 80 | 80 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 1 |
| South Carolina | 0 | 0 | 0 | 109 | 25 | 0 | 0 | 1 |
| Virginia | 0 | 0 | 0 | 8 | 15 | 0 | 0 | 1 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East South Central** | **0** | **0** | **0** | **24** | **17** | **0** | **0** | **1** |
| Alabama | 0 | 0 | 0 | 42 | 42 | 0 | 0 | 2 |
| Kentucky | 0 | 0 | 0 | 27 | 18 | 0 | 0 | 1 |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Tennessee | 0 | 0 | 0 | 186 | 186 | 0 | 0 | 1 |
| **West South Central** | **0** | **0** | **0** | **29** | **12** | **0** | **0** | **2** |
| Arkansas | 0 | 0 | 0 | 186 | 186 | 0 | 0 | 2 |
| Louisiana | 0 | 0 | 0 | 183 | 183 | 0 | 0 | 3 |
| Oklahoma | 0 | 0 | 0 | 32 | 12 | 0 | 0 | 3 |
| Texas | 0 | 0 | 0 | 70 | 37 | 0 | 0 | 2 |
| **Mountain** | **0** | **15** | **0** | **7** | **6** | **0** | **24** | **1** |
| Arizona | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 97 | 4 | 0 | 0 | 1 |
| Idaho | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 7 |
| Montana | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 7 |
| Nevada | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 1 |
| New Mexico | 0 | 0 | 0 | 14 | 14 | 0 | 0 | 2 |
| Utah | 0 | 15 | 0 | 0 | 15 | 0 | 35 | 1 |
| Wyoming | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 3 |
| **Pacific Contiguous** | **0** | **0** | **0** | **10** | **5** | **0** | **0** | **1** |
| California | 0 | 0 | 0 | 11 | 4 | 0 | 0 | 2 |
| Oregon | 0 | 0 | 0 | 94 | 6 | 0 | 0 | 3 |
| Washington | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | **29** | **38** | **0** | **0** | **8** |
| Alaska | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 14 |
| Hawaii | 0 | 0 | 0 | 29 | 23 | 0 | 0 | 1 |
| **U.S. Total** | **0** | **3** | **0** | **2** | **3** | **0** | **5** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Electric Utilities by Census Division and State, Year-to-Date through July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **0** | **44** | **0** | **38** | **0** | **0** | **34** |
| Connecticut | 0 | 51 | 0 | 0 | 0 | 0 | 124 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 541 |
| Massachusetts | 0 | 76 | 0 | 44 | 0 | 0 | 70 |
| New Hampshire | 0 | 26 | 0 | 0 | 0 | 0 | 54 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 101 | 0 | 0 | 0 | 0 | 57 |
| **Middle Atlantic** | **0** | **11** | **0** | **5** | **0** | **0** | **1** |
| New Jersey | 0 | 0 | 0 | 73 | 0 | 0 | 0 |
| New York | 0 | 11 | 0 | 5 | 0 | 0 | 1 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **1** | **7** | **0** | **4** | **0** | **0** | **12** |
| Illinois | 0 | 57 | 0 | 17 | 0 | 0 | 67 |
| Indiana | 1 | 2 | 0 | 8 | 0 | 0 | 85 |
| Michigan | 2 | 7 | 0 | 5 | 0 | 0 | 20 |
| Ohio | 12 | 43 | 0 | 9 | 0 | 0 | 76 |
| Wisconsin | 0 | 62 | 0 | 6 | 0 | 0 | 16 |
| **West North Central** | **1** | **13** | **0** | **7** | **0** | **0** | **7** |
| Iowa | 0 | 17 | 0 | 8 | 0 | 0 | 24 |
| Kansas | 0 | 17 | 0 | 21 | 0 | 0 | 0 |
| Minnesota | 3 | 75 | 0 | 12 | 0 | 0 | 28 |
| Missouri | 0 | 14 | 0 | 14 | 0 | 0 | 62 |
| Nebraska | 4 | 134 | 0 | 27 | 0 | 0 | 20 |
| North Dakota | 0 | 14 | 0 | 29 | 0 | 0 | 13 |
| South Dakota | 0 | 126 | 0 | 27 | 0 | 0 | 9 |
| **South Atlantic** | **0** | **5** | **0** | **1** | **0** | **0** | **17** |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 4 | 0 | 1 | 0 | 0 | 74 |
| Georgia | 0 | 10 | 0 | 3 | 0 | 0 | 27 |
| Maryland | 0 | 76 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 21 | 0 | 2 | 0 | 0 | 14 |
| South Carolina | 0 | 28 | 0 | 2 | 0 | 0 | 32 |
| Virginia | 0 | 11 | 0 | 3 | 0 | 0 | 26 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| **East South Central** | **0** | **1** | **0** | **2** | **0** | **0** | **9** |
| Alabama | 0 | 0 | 0 | 5 | 0 | 0 | 12 |
| Kentucky | 0 | 1 | 0 | 5 | 0 | 0 | 11 |
| Mississippi | 0 | 6 | 0 | 2 | 0 | 0 | 0 |
| Tennessee | 0 | 1 | 0 | 5 | 0 | 0 | 12 |
| **West South Central** | **3** | **7** | **7** | **2** | **0** | **0** | **28** |
| Arkansas | 0 | 0 | 0 | 6 | 0 | 0 | 31 |
| Louisiana | 38 | 91 | 7 | 3 | 0 | 0 | 0 |
| Oklahoma | 0 | 2 | 0 | 3 | 0 | 0 | 28 |
| Texas | 0 | 11 | 0 | 4 | 0 | 0 | 56 |
| **Mountain** | **1** | **9** | **0** | **1** | **0** | **0** | **4** |
| Arizona | 0 | 5 | 0 | 1 | 0 | 0 | 4 |
| Colorado | 0 | 93 | 0 | 2 | 0 | 0 | 19 |
| Idaho | 0 | 0 | 0 | 16 | 0 | 0 | 8 |
| Montana | 0 | 588 | 0 | 49 | 0 | 0 | 7 |
| Nevada | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| New Mexico | 0 | 31 | 0 | 4 | 0 | 0 | 68 |
| Utah | 0 | 4 | 0 | 2 | 0 | 0 | 26 |
| Wyoming | 3 | 3 | 0 | 21 | 0 | 0 | 25 |
| **Pacific Contiguous** | **0** | **19** | **0** | **3** | **0** | **0** | **1** |
| California | 0 | 22 | 0 | 2 | 0 | 0 | 5 |
| Oregon | 0 | 0 | 0 | 10 | 0 | 0 | 3 |
| Washington | 0 | 216 | 0 | 11 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **90** | **1** | **0** | **22** | **0** | **0** | **20** |
| Alaska | 90 | 5 | 0 | 22 | 0 | 0 | 20 |
| Hawaii | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **2** | **4** | **1** | **0** | **0** | **2** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Electric Utilities by Census Division and State, Year-to-Date through July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **23** | **16** | **0** | **0** | **20** |
| Connecticut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 541 |
| Massachusetts | 0 | 0 | 0 | 30 | 36 | 0 | 0 | 33 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 35 | 17 | 0 | 0 | 22 |
| **Middle Atlantic** | **0** | **0** | **0** | **26** | **26** | **0** | **0** | **2** |
| New Jersey | 0 | 0 | 0 | 26 | 26 | 0 | 0 | 24 |
| New York | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **0** | **0** | **14** | **12** | **0** | **31** | **1** |
| Illinois | 0 | 0 | 0 | 52 | 24 | 0 | 0 | 12 |
| Indiana | 0 | 0 | 0 | 20 | 12 | 0 | 0 | 2 |
| Michigan | 0 | 0 | 0 | 14 | 16 | 0 | 0 | 2 |
| Ohio | 0 | 0 | 0 | 86 | 143 | 0 | 0 | 7 |
| Wisconsin | 0 | 0 | 0 | 105 | 21 | 0 | 33 | 2 |
| **West North Central** | **0** | **0** | **0** | **45** | **5** | **0** | **9** | **1** |
| Iowa | 0 | 0 | 0 | 81 | 5 | 0 | 0 | 2 |
| Kansas | 0 | 0 | 0 | 174 | 10 | 0 | 0 | 3 |
| Minnesota | 0 | 0 | 0 | 132 | 17 | 0 | 0 | 3 |
| Missouri | 0 | 0 | 0 | 53 | 35 | 0 | 0 | 2 |
| Nebraska | 0 | 0 | 0 | 121 | 40 | 0 | 0 | 4 |
| North Dakota | 0 | 0 | 0 | 0 | 13 | 0 | 33 | 2 |
| South Dakota | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 8 |
| **South Atlantic** | **0** | **0** | **0** | **1** | **3** | **0** | **0** | **0** |
| Delaware | 0 | 0 | 0 | 92 | 92 | 0 | 0 | 6 |
| Florida | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Georgia | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 1 |
| Maryland | 0 | 0 | 0 | 80 | 80 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 1 |
| South Carolina | 0 | 0 | 0 | 109 | 25 | 0 | 0 | 1 |
| Virginia | 0 | 0 | 0 | 8 | 15 | 0 | 0 | 1 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East South Central** | **0** | **0** | **0** | **24** | **17** | **0** | **0** | **1** |
| Alabama | 0 | 0 | 0 | 42 | 42 | 0 | 0 | 2 |
| Kentucky | 0 | 0 | 0 | 27 | 18 | 0 | 0 | 1 |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Tennessee | 0 | 0 | 0 | 186 | 186 | 0 | 0 | 1 |
| **West South Central** | **0** | **0** | **0** | **29** | **12** | **0** | **0** | **2** |
| Arkansas | 0 | 0 | 0 | 186 | 186 | 0 | 0 | 2 |
| Louisiana | 0 | 0 | 0 | 183 | 183 | 0 | 0 | 3 |
| Oklahoma | 0 | 0 | 0 | 32 | 12 | 0 | 0 | 3 |
| Texas | 0 | 0 | 0 | 70 | 37 | 0 | 0 | 2 |
| **Mountain** | **0** | **15** | **0** | **7** | **6** | **0** | **24** | **1** |
| Arizona | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 97 | 4 | 0 | 0 | 1 |
| Idaho | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 7 |
| Montana | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 7 |
| Nevada | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 1 |
| New Mexico | 0 | 0 | 0 | 14 | 14 | 0 | 0 | 2 |
| Utah | 0 | 15 | 0 | 0 | 15 | 0 | 35 | 1 |
| Wyoming | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 3 |
| **Pacific Contiguous** | **0** | **0** | **0** | **10** | **5** | **0** | **0** | **1** |
| California | 0 | 0 | 0 | 11 | 4 | 0 | 0 | 2 |
| Oregon | 0 | 0 | 0 | 94 | 6 | 0 | 0 | 3 |
| Washington | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 1 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | **29** | **38** | **0** | **0** | **8** |
| Alaska | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 14 |
| Hawaii | 0 | 0 | 0 | 29 | 23 | 0 | 0 | 1 |
| **U.S. Total** | **0** | **3** | **0** | **2** | **3** | **0** | **5** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Independent Power Producers by Census Division and State, July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **0** | **26** | **0** | **3** | **0** | **0** | **18** |
| Connecticut | 0 | 45 | 0 | 3 | 0 | 0 | 48 |
| Maine | 0 | 32 | 0 | 20 | 0 | 0 | 21 |
| Massachusetts | 0 | 25 | 0 | 4 | 0 | 0 | 37 |
| New Hampshire | 0 | 1,273 | 0 | 0 | 0 | 0 | 53 |
| Rhode Island | 0 | 201 | 0 | 12 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| **Middle Atlantic** | **2** | **17** | **0** | **1** | **0** | **0** | **17** |
| New Jersey | 0 | 68 | 0 | 3 | 0 | 0 | 0 |
| New York | 0 | 28 | 0 | 3 | 0 | 0 | 18 |
| Pennsylvania | 2 | 18 | 0 | 1 | 0 | 0 | 18 |
| **East North Central** | **0** | **8** | **19** | **2** | **120** | **0** | **40** |
| Illinois | 0 | 8 | 0 | 7 | 0 | 0 | 72 |
| Indiana | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 0 | 0 | 2 | 0 | 0 | 73 |
| Ohio | 0 | 9 | 19 | 3 | 243 | 0 | 0 |
| Wisconsin | 0 | 0 | 0 | 1 | 0 | 0 | 64 |
| **West North Central** | **0** | **196** | **0** | **10** | **0** | **0** | **41** |
| Iowa | 0 | 122 | 0 | 1,231 | 0 | 0 | 0 |
| Kansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 381 | 0 | 20 | 0 | 0 | 49 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **2** | **10** | **0** | **3** | **0** | **0** | **21** |
| Delaware | 0 | 55 | 0 | 9 | 0 | 0 | 0 |
| Florida | 0 | 58 | 0 | 8 | 0 | 0 | 0 |
| Georgia | 0 | 109 | 0 | 8 | 0 | 0 | 317 |
| Maryland | 0 | 5 | 0 | 5 | 0 | 0 | 9 |
| North Carolina | 0 | 104 | 0 | 8 | 0 | 0 | 115 |
| South Carolina | 0 | 0 | 0 | 11 | 0 | 0 | 129 |
| Virginia | 0 | 14 | 0 | 2 | 0 | 0 | 95 |
| West Virginia | 4 | 0 | 0 | 15 | 0 | 0 | 49 |
| **East South Central** | **0** | **170** | **0** | **0** | **0** | **0** | **330** |
| Alabama | 0 | 274 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | 0 | 0 | 0 | 0 | 330 |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **West South Central** | **0** | **18** | **0** | **1** | **0** | **0** | **29** |
| Arkansas | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| Louisiana | 0 | 0 | 0 | 9 | 0 | 0 | 31 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 21 | 0 | 1 | 0 | 0 | 0 |
| **Mountain** | **6** | **33** | **0** | **3** | **0** | **0** | **21** |
| Arizona | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 8 | 0 | 0 | 47 |
| Idaho | 0 | 0 | 0 | 29 | 0 | 0 | 27 |
| Montana | 8 | 42 | 0 | 51 | 0 | 0 | 66 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| New Mexico | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **10** | **0** | **1** | **0** | **0** | **21** |
| California | 0 | 0 | 0 | 1 | 0 | 0 | 27 |
| Oregon | 0 | 0 | 0 | 3 | 0 | 0 | 50 |
| Washington | 0 | 12 | 0 | 13 | 0 | 0 | 37 |
| **Pacific Noncontiguous** | **6** | **0** | **0** | **0** | **0** | **0** | **0** |
| Alaska | 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **4** | **14** | **1** | **18** | **0** | **11** |

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## Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Independent Power Producers by Census Division and State, July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **7** | **9** | **0** | **1** | **2** |
| Connecticut | 0 | 0 | 0 | 18 | 17 | 0 | 0 | 2 |
| Maine | 0 | 0 | 0 | 70 | 16 | 0 | 0 | 11 |
| Massachusetts | 0 | 0 | 0 | 8 | 7 | 0 | 1 | 4 |
| New Hampshire | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 3 |
| Rhode Island | 0 | 0 | 0 | 26 | 15 | 0 | 0 | 11 |
| Vermont | 0 | 0 | 0 | 25 | 35 | 0 | 0 | 26 |
| **Middle Atlantic** | **0** | **0** | **0** | **6** | **6** | **0** | **0** | **1** |
| New Jersey | 0 | 0 | 0 | 8 | 6 | 0 | 0 | 2 |
| New York | 0 | 0 | 0 | 10 | 7 | 0 | 0 | 2 |
| Pennsylvania | 0 | 0 | 0 | 26 | 10 | 0 | 0 | 1 |
| **East North Central** | **0** | **0** | **0** | **9** | **6** | **0** | **19** | **1** |
| Illinois | 0 | 0 | 0 | 25 | 7 | 0 | 0 | 1 |
| Indiana | 0 | 0 | 0 | 17 | 11 | 0 | 0 | 2 |
| Michigan | 0 | 0 | 0 | 37 | 13 | 0 | 29 | 2 |
| Ohio | 0 | 0 | 0 | 12 | 7 | 0 | 0 | 1 |
| Wisconsin | 0 | 0 | 0 | 36 | 13 | 0 | 0 | 1 |
| **West North Central** | **0** | **0** | **0** | **6** | **3** | **0** | **0** | **3** |
| Iowa | 0 | 0 | 0 | 83 | 11 | 0 | 0 | 6 |
| Kansas | 0 | 0 | 0 | 20 | 3 | 0 | 0 | 3 |
| Minnesota | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 7 |
| Missouri | 0 | 0 | 0 | 27 | 10 | 0 | 0 | 4 |
| Nebraska | 0 | 0 | 0 | 40 | 6 | 0 | 0 | 6 |
| North Dakota | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 8 |
| South Dakota | 0 | 0 | 0 | 174 | 9 | 0 | 0 | 9 |
| **South Atlantic** | **0** | **0** | **0** | **2** | **2** | **0** | **0** | **1** |
| Delaware | 0 | 0 | 0 | 36 | 26 | 0 | 0 | 8 |
| District of Columbia | 0 | 0 | 0 | 81 | 81 | 0 | 0 | 81 |
| Florida | 0 | 0 | 0 | 5 | 4 | 0 | 1 | 5 |
| Georgia | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 6 |
| Maryland | 0 | 0 | 0 | 10 | 12 | 0 | 0 | 2 |
| North Carolina | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 4 |
| South Carolina | 0 | 0 | 0 | 4 | 7 | 0 | 0 | 6 |
| Virginia | 0 | 0 | 0 | 8 | 9 | 0 | 0 | 2 |
| West Virginia | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 4 |
| **East South Central** | **0** | **0** | **0** | **6** | **6** | **0** | **0** | **0** |
| Alabama | 0 | 0 | 0 | 12 | 11 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | 0 | 180 | 51 | 0 | 0 | 1 |
| Mississippi | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 1 |
| Tennessee | 0 | 0 | 0 | 13 | 14 | 0 | 0 | 14 |
| **West South Central** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **1** |
| Arkansas | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 1 |
| Louisiana | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 9 |
| Oklahoma | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 |
| Texas | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| **Mountain** | **0** | **5** | **0** | **2** | **2** | **0** | **0** | **2** |
| Arizona | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 1 |
| Colorado | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 3 |
| Idaho | 0 | 22 | 0 | 8 | 14 | 0 | 0 | 13 |
| Montana | 0 | 0 | 0 | 41 | 18 | 0 | 0 | 7 |
| Nevada | 0 | 5 | 0 | 2 | 3 | 0 | 0 | 2 |
| New Mexico | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 3 |
| Utah | 0 | 14 | 0 | 5 | 4 | 0 | 0 | 4 |
| Wyoming | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 15 |
| **Pacific Contiguous** | **0** | **2** | **0** | **1** | **2** | **0** | **0** | **1** |
| California | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 1 |
| Oregon | 0 | 16 | 0 | 8 | 7 | 0 | 0 | 4 |
| Washington | 0 | 0 | 0 | 54 | 16 | 0 | 0 | 7 |
| **Pacific Noncontiguous** | **0** | **21** | **0** | **10** | **13** | **0** | **0** | **5** |
| Alaska | 0 | 0 | 0 | 0 | 128 | 0 | 0 | 50 |
| Hawaii | 0 | 21 | 0 | 10 | 13 | 0 | 0 | 4 |
| **U.S. Total** | **0** | **3** | **0** | **1** | **1** | **0** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Independent Power Producers by Census Division and State, Year-to-Date through July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **0** | **26** | **0** | **3** | **0** | **0** | **18** |
| Connecticut | 0 | 45 | 0 | 3 | 0 | 0 | 48 |
| Maine | 0 | 32 | 0 | 20 | 0 | 0 | 21 |
| Massachusetts | 0 | 25 | 0 | 4 | 0 | 0 | 37 |
| New Hampshire | 0 | 1,273 | 0 | 0 | 0 | 0 | 53 |
| Rhode Island | 0 | 201 | 0 | 12 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| **Middle Atlantic** | **2** | **17** | **0** | **1** | **0** | **0** | **17** |
| New Jersey | 0 | 68 | 0 | 3 | 0 | 0 | 0 |
| New York | 0 | 28 | 0 | 3 | 0 | 0 | 18 |
| Pennsylvania | 2 | 18 | 0 | 1 | 0 | 0 | 18 |
| **East North Central** | **0** | **8** | **19** | **2** | **120** | **0** | **40** |
| Illinois | 0 | 8 | 0 | 7 | 0 | 0 | 72 |
| Indiana | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 0 | 0 | 2 | 0 | 0 | 73 |
| Ohio | 0 | 9 | 19 | 3 | 243 | 0 | 0 |
| Wisconsin | 0 | 0 | 0 | 1 | 0 | 0 | 64 |
| **West North Central** | **0** | **196** | **0** | **10** | **0** | **0** | **41** |
| Iowa | 0 | 122 | 0 | 1,231 | 0 | 0 | 0 |
| Kansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnesota | 0 | 381 | 0 | 20 | 0 | 0 | 49 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **2** | **10** | **0** | **3** | **0** | **0** | **21** |
| Delaware | 0 | 55 | 0 | 9 | 0 | 0 | 0 |
| Florida | 0 | 58 | 0 | 8 | 0 | 0 | 0 |
| Georgia | 0 | 109 | 0 | 8 | 0 | 0 | 317 |
| Maryland | 0 | 5 | 0 | 5 | 0 | 0 | 9 |
| North Carolina | 0 | 104 | 0 | 8 | 0 | 0 | 115 |
| South Carolina | 0 | 0 | 0 | 11 | 0 | 0 | 129 |
| Virginia | 0 | 14 | 0 | 2 | 0 | 0 | 95 |
| West Virginia | 4 | 0 | 0 | 15 | 0 | 0 | 49 |
| **East South Central** | **0** | **170** | **0** | **0** | **0** | **0** | **330** |
| Alabama | 0 | 274 | 0 | 0 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | 0 | 0 | 0 | 0 | 330 |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **West South Central** | **0** | **18** | **0** | **1** | **0** | **0** | **29** |
| Arkansas | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| Louisiana | 0 | 0 | 0 | 9 | 0 | 0 | 31 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 21 | 0 | 1 | 0 | 0 | 0 |
| **Mountain** | **6** | **33** | **0** | **3** | **0** | **0** | **21** |
| Arizona | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 8 | 0 | 0 | 47 |
| Idaho | 0 | 0 | 0 | 29 | 0 | 0 | 27 |
| Montana | 8 | 42 | 0 | 51 | 0 | 0 | 66 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| New Mexico | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **10** | **0** | **1** | **0** | **0** | **21** |
| California | 0 | 0 | 0 | 1 | 0 | 0 | 27 |
| Oregon | 0 | 0 | 0 | 3 | 0 | 0 | 50 |
| Washington | 0 | 12 | 0 | 13 | 0 | 0 | 37 |
| **Pacific Noncontiguous** | **6** | **0** | **0** | **0** | **0** | **0** | **0** |
| Alaska | 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **4** | **14** | **1** | **18** | **0** | **11** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

### Independent Power Producers by Census Division and State, Year-to-Date through July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **7** | **9** | **0** | **1** | **2** |
| Connecticut | 0 | 0 | 0 | 18 | 17 | 0 | 0 | 2 |
| Maine | 0 | 0 | 0 | 70 | 16 | 0 | 0 | 11 |
| Massachusetts | 0 | 0 | 0 | 8 | 7 | 0 | 1 | 4 |
| New Hampshire | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 3 |
| Rhode Island | 0 | 0 | 0 | 26 | 15 | 0 | 0 | 11 |
| Vermont | 0 | 0 | 0 | 25 | 35 | 0 | 0 | 26 |
| **Middle Atlantic** | **0** | **0** | **0** | **6** | **6** | **0** | **0** | **1** |
| New Jersey | 0 | 0 | 0 | 8 | 6 | 0 | 0 | 2 |
| New York | 0 | 0 | 0 | 10 | 7 | 0 | 0 | 2 |
| Pennsylvania | 0 | 0 | 0 | 26 | 10 | 0 | 0 | 1 |
| **East North Central** | **0** | **0** | **0** | **9** | **6** | **0** | **19** | **1** |
| Illinois | 0 | 0 | 0 | 25 | 7 | 0 | 0 | 1 |
| Indiana | 0 | 0 | 0 | 17 | 11 | 0 | 0 | 2 |
| Michigan | 0 | 0 | 0 | 37 | 13 | 0 | 29 | 2 |
| Ohio | 0 | 0 | 0 | 12 | 7 | 0 | 0 | 1 |
| Wisconsin | 0 | 0 | 0 | 36 | 13 | 0 | 0 | 1 |
| **West North Central** | **0** | **0** | **0** | **6** | **3** | **0** | **0** | **3** |
| Iowa | 0 | 0 | 0 | 83 | 11 | 0 | 0 | 6 |
| Kansas | 0 | 0 | 0 | 20 | 3 | 0 | 0 | 3 |
| Minnesota | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 7 |
| Missouri | 0 | 0 | 0 | 27 | 10 | 0 | 0 | 4 |
| Nebraska | 0 | 0 | 0 | 40 | 6 | 0 | 0 | 6 |
| North Dakota | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 8 |
| South Dakota | 0 | 0 | 0 | 174 | 9 | 0 | 0 | 9 |
| **South Atlantic** | **0** | **0** | **0** | **2** | **2** | **0** | **0** | **1** |
| Delaware | 0 | 0 | 0 | 36 | 26 | 0 | 0 | 8 |
| District of Columbia | 0 | 0 | 0 | 81 | 81 | 0 | 0 | 81 |
| Florida | 0 | 0 | 0 | 5 | 4 | 0 | 1 | 5 |
| Georgia | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 6 |
| Maryland | 0 | 0 | 0 | 10 | 12 | 0 | 0 | 2 |
| North Carolina | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 4 |
| South Carolina | 0 | 0 | 0 | 4 | 7 | 0 | 0 | 6 |
| Virginia | 0 | 0 | 0 | 8 | 9 | 0 | 0 | 2 |
| West Virginia | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 4 |
| **East South Central** | **0** | **0** | **0** | **6** | **6** | **0** | **0** | **0** |
| Alabama | 0 | 0 | 0 | 12 | 11 | 0 | 0 | 0 |
| Kentucky | 0 | 0 | 0 | 180 | 51 | 0 | 0 | 1 |
| Mississippi | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 1 |
| Tennessee | 0 | 0 | 0 | 13 | 14 | 0 | 0 | 14 |
| **West South Central** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **1** |
| Arkansas | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 1 |
| Louisiana | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 9 |
| Oklahoma | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 |
| Texas | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| **Mountain** | **0** | **5** | **0** | **2** | **2** | **0** | **0** | **2** |
| Arizona | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 1 |
| Colorado | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 3 |
| Idaho | 0 | 22 | 0 | 8 | 14 | 0 | 0 | 13 |
| Montana | 0 | 0 | 0 | 41 | 18 | 0 | 0 | 7 |
| Nevada | 0 | 5 | 0 | 2 | 3 | 0 | 0 | 2 |
| New Mexico | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 3 |
| Utah | 0 | 14 | 0 | 5 | 4 | 0 | 0 | 4 |
| Wyoming | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 15 |
| **Pacific Contiguous** | **0** | **2** | **0** | **1** | **2** | **0** | **0** | **1** |
| California | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 1 |
| Oregon | 0 | 16 | 0 | 8 | 7 | 0 | 0 | 4 |
| Washington | 0 | 0 | 0 | 54 | 16 | 0 | 0 | 7 |
| **Pacific Noncontiguous** | **0** | **21** | **0** | **10** | **13** | **0** | **0** | **5** |
| Alaska | 0 | 0 | 0 | 0 | 128 | 0 | 0 | 50 |
| Hawaii | 0 | 21 | 0 | 10 | 13 | 0 | 0 | 4 |
| **U.S. Total** | **0** | **3** | **0** | **1** | **1** | **0** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **0** | **51** | **0** | **11** | **0** | **0** | **0** |
| Connecticut | 0 | 823 | 0 | 17 | 0 | 0 | 0 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 70 | 0 | 16 | 0 | 0 | 0 |
| New Hampshire | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Middle Atlantic** | **0** | **64** | **0** | **12** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 0 | 27 | 0 | 0 | 0 |
| New York | 0 | 177 | 0 | 14 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **17** | **57** | **0** | **7** | **0** | **0** | **0** |
| Illinois | 26 | 36 | 0 | 18 | 0 | 0 | 0 |
| Indiana | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 548 | 0 | 13 | 0 | 0 | 0 |
| Ohio | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Wisconsin | 0 | 1,303 | 0 | 24 | 0 | 0 | 0 |
| **West North Central** | **0** | **30** | **0** | **9** | **0** | **0** | **0** |
| Iowa | 0 | 0 | 0 | 17 | 0 | 0 | 0 |
| Minnesota | 0 | 30 | 0 | 24 | 0 | 0 | 0 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 2,211 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **0** | **5** | **0** | **8** | **0** | **0** | **0** |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 37 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 519 | 0 | 7 | 0 | 0 | 0 |
| North Carolina | 0 | 230 | 0 | 56 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East South Central** | **0** | **0** | **0** | **23** | **0** | **0** | **0** |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 23 | 0 | 0 | 0 |
| **West South Central** | **0** | **0** | **0** | **17** | **0** | **0** | **0** |
| Arkansas | 0 | 0 | 0 | 109 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | 0 | 26 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | 0 | 20 | 0 | 0 | 0 |
| **Mountain** | **0** | **1,725** | **0** | **11** | **0** | **0** | **0** |
| Arizona | 0 | 1,725 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | 0 | 42 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **44** | **0** | **3** | **0** | **0** | **422** |
| California | 0 | 76 | 0 | 3 | 0 | 0 | 422 |
| Oregon | 0 | 0 | 0 | 40 | 0 | 0 | 0 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Noncontiguous** | **70** | **6** | **0** | **0** | **0** | **0** | **56** |
| Alaska | 70 | 27 | 0 | 0 | 0 | 0 | 56 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **22** | **12** | **0** | **4** | **0** | **0** | **45** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **80** | **14** | **0** | **0** | **9** |
| Connecticut | 0 | 0 | 0 | 116 | 116 | 0 | 0 | 17 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | 0 | 108 | 35 | 0 | 0 | 15 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Middle Atlantic** | **0** | **0** | **0** | **19** | **6** | **0** | **3** | **6** |
| New Jersey | 0 | 0 | 0 | 20 | 11 | 0 | 0 | 8 |
| New York | 0 | 0 | 0 | 76 | 9 | 0 | 7 | 10 |
| Pennsylvania | 0 | 0 | 0 | 88 | 6 | 0 | 0 | 2 |
| **East North Central** | **0** | **0** | **0** | **63** | **25** | **0** | **0** | **6** |
| Illinois | 0 | 0 | 0 | 126 | 203 | 0 | 0 | 17 |
| Indiana | 0 | 0 | 0 | 192 | 31 | 0 | 0 | 3 |
| Michigan | 0 | 0 | 0 | 164 | 8 | 0 | 0 | 11 |
| Ohio | 0 | 0 | 0 | 123 | 58 | 0 | 0 | 4 |
| Wisconsin | 0 | 0 | 0 | 113 | 58 | 0 | 0 | 24 |
| **West North Central** | **0** | **0** | **0** | **0** | **17** | **0** | **41** | **8** |
| Iowa | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 10 |
| Kansas | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 175 |
| Minnesota | 0 | 0 | 0 | 0 | 32 | 0 | 41 | 17 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | 0 | 0 | 588 | 0 | 0 | 568 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,211 |
| **South Atlantic** | **0** | **0** | **0** | **21** | **9** | **0** | **0** | **5** |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | 0 | 97 | 29 | 0 | 0 | 20 |
| Georgia | 0 | 0 | 0 | 139 | 139 | 0 | 0 | 81 |
| Maryland | 0 | 0 | 0 | 65 | 35 | 0 | 0 | 7 |
| North Carolina | 0 | 0 | 0 | 23 | 22 | 0 | 0 | 22 |
| South Carolina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | 0 | 206 | 5 | 0 | 0 | 2 |
| **East South Central** | **0** | **0** | **0** | **105** | **105** | **0** | **0** | **22** |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 105 | 105 | 0 | 0 | 22 |
| **West South Central** | **0** | **0** | **0** | **28** | **22** | **0** | **0** | **16** |
| Arkansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 |
| Louisiana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | 0 | 156 | 35 | 0 | 0 | 19 |
| **Mountain** | **0** | **0** | **0** | **25** | **6** | **0** | **0** | **6** |
| Arizona | 0 | 0 | 0 | 68 | 68 | 0 | 0 | 7 |
| Colorado | 0 | 0 | 0 | 57 | 60 | 0 | 0 | 34 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | 0 | 30 | 5 | 0 | 0 | 4 |
| New Mexico | 0 | 0 | 0 | 0 | 350 | 0 | 0 | 42 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **0** | **0** | **20** | **6** | **0** | **0** | **3** |
| California | 0 | 0 | 0 | 20 | 6 | 0 | 0 | 3 |
| Oregon | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 26 |
| Washington | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 23 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** |
| Alaska | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **0** | **10** | **3** | **0** | **2** | **3** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:

### Commercial Sector by Census Division and State, Year-to-Date through July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **0** | **51** | **0** | **11** | **0** | **0** | **0** |
| Connecticut | 0 | 823 | 0 | 17 | 0 | 0 | 0 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 70 | 0 | 16 | 0 | 0 | 0 |
| New Hampshire | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Middle Atlantic** | **0** | **64** | **0** | **12** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 0 | 27 | 0 | 0 | 0 |
| New York | 0 | 177 | 0 | 14 | 0 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **17** | **57** | **0** | **7** | **0** | **0** | **0** |
| Illinois | 26 | 36 | 0 | 18 | 0 | 0 | 0 |
| Indiana | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan | 0 | 548 | 0 | 13 | 0 | 0 | 0 |
| Ohio | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Wisconsin | 0 | 1,303 | 0 | 24 | 0 | 0 | 0 |
| **West North Central** | **0** | **30** | **0** | **9** | **0** | **0** | **0** |
| Iowa | 0 | 0 | 0 | 17 | 0 | 0 | 0 |
| Minnesota | 0 | 30 | 0 | 24 | 0 | 0 | 0 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 2,211 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **0** | **5** | **0** | **8** | **0** | **0** | **0** |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 37 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 0 | 519 | 0 | 7 | 0 | 0 | 0 |
| North Carolina | 0 | 230 | 0 | 56 | 0 | 0 | 0 |
| South Carolina | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **East South Central** | **0** | **0** | **0** | **23** | **0** | **0** | **0** |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 23 | 0 | 0 | 0 |
| **West South Central** | **0** | **0** | **0** | **17** | **0** | **0** | **0** |
| Arkansas | 0 | 0 | 0 | 109 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | 0 | 26 | 0 | 0 | 0 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | 0 | 20 | 0 | 0 | 0 |
| **Mountain** | **0** | **1,725** | **0** | **11** | **0** | **0** | **0** |
| Arizona | 0 | 1,725 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | 0 | 42 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **44** | **0** | **3** | **0** | **0** | **422** |
| California | 0 | 76 | 0 | 3 | 0 | 0 | 422 |
| Oregon | 0 | 0 | 0 | 40 | 0 | 0 | 0 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Noncontiguous** | **70** | **6** | **0** | **0** | **0** | **0** | **56** |
| Alaska | 70 | 27 | 0 | 0 | 0 | 0 | 56 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **22** | **12** | **0** | **4** | **0** | **0** | **45** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:

### Commercial Sector by Census Division and State, Year-to-Date through July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **80** | **14** | **0** | **0** | **9** |
| Connecticut | 0 | 0 | 0 | 116 | 116 | 0 | 0 | 17 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Massachusetts | 0 | 0 | 0 | 108 | 35 | 0 | 0 | 15 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Middle Atlantic** | **0** | **0** | **0** | **19** | **6** | **0** | **3** | **6** |
| New Jersey | 0 | 0 | 0 | 20 | 11 | 0 | 0 | 8 |
| New York | 0 | 0 | 0 | 76 | 9 | 0 | 7 | 10 |
| Pennsylvania | 0 | 0 | 0 | 88 | 6 | 0 | 0 | 2 |
| **East North Central** | **0** | **0** | **0** | **63** | **25** | **0** | **0** | **6** |
| Illinois | 0 | 0 | 0 | 126 | 203 | 0 | 0 | 17 |
| Indiana | 0 | 0 | 0 | 192 | 31 | 0 | 0 | 3 |
| Michigan | 0 | 0 | 0 | 164 | 8 | 0 | 0 | 11 |
| Ohio | 0 | 0 | 0 | 123 | 58 | 0 | 0 | 4 |
| Wisconsin | 0 | 0 | 0 | 113 | 58 | 0 | 0 | 24 |
| **West North Central** | **0** | **0** | **0** | **0** | **17** | **0** | **41** | **8** |
| Iowa | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 10 |
| Kansas | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 175 |
| Minnesota | 0 | 0 | 0 | 0 | 32 | 0 | 41 | 17 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 0 | 0 | 0 | 0 | 588 | 0 | 0 | 568 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,211 |
| **South Atlantic** | **0** | **0** | **0** | **21** | **9** | **0** | **0** | **5** |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | 0 | 97 | 29 | 0 | 0 | 20 |
| Georgia | 0 | 0 | 0 | 139 | 139 | 0 | 0 | 81 |
| Maryland | 0 | 0 | 0 | 65 | 35 | 0 | 0 | 7 |
| North Carolina | 0 | 0 | 0 | 23 | 22 | 0 | 0 | 22 |
| South Carolina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia | 0 | 0 | 0 | 206 | 5 | 0 | 0 | 2 |
| **East South Central** | **0** | **0** | **0** | **105** | **105** | **0** | **0** | **22** |
| Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 105 | 105 | 0 | 0 | 22 |
| **West South Central** | **0** | **0** | **0** | **28** | **22** | **0** | **0** | **16** |
| Arkansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 |
| Louisiana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | 0 | 156 | 35 | 0 | 0 | 19 |
| **Mountain** | **0** | **0** | **0** | **25** | **6** | **0** | **0** | **6** |
| Arizona | 0 | 0 | 0 | 68 | 68 | 0 | 0 | 7 |
| Colorado | 0 | 0 | 0 | 57 | 60 | 0 | 0 | 34 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 0 | 0 | 0 | 30 | 5 | 0 | 0 | 4 |
| New Mexico | 0 | 0 | 0 | 0 | 350 | 0 | 0 | 42 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **0** | **0** | **20** | **6** | **0** | **0** | **3** |
| California | 0 | 0 | 0 | 20 | 6 | 0 | 0 | 3 |
| Oregon | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 26 |
| Washington | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 23 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** |
| Alaska | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **0** | **10** | **3** | **0** | **2** | **3** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **89** | **75** | **0** | **9** | **0** | **0** | **101** |
| Connecticut | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| Maine | 89 | 81 | 0 | 20 | 0 | 0 | 101 |
| Massachusetts | 0 | 0 | 0 | 12 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 3,940 | 0 | 31 | 0 | 0 | 0 |
| **Middle Atlantic** | **0** | **35** | **0** | **7** | **62** | **0** | **72** |
| New Jersey | 0 | 0 | 0 | 8 | 0 | 0 | 0 |
| New York | 0 | 11 | 0 | 7 | 0 | 0 | 72 |
| Pennsylvania | 0 | 104 | 0 | 10 | 132 | 0 | 0 |
| **East North Central** | **7** | **32** | **0** | **7** | **21** | **0** | **43** |
| Illinois | 7 | 0 | 0 | 13 | 0 | 0 | 0 |
| Indiana | 0 | 18 | 0 | 6 | 29 | 0 | 0 |
| Michigan | 115 | 102 | 0 | 28 | 0 | 0 | 164 |
| Ohio | 0 | 0 | 0 | 13 | 0 | 0 | 0 |
| Wisconsin | 24 | 0 | 0 | 30 | 0 | 0 | 44 |
| **West North Central** | **5** | **0** | **0** | **16** | **0** | **0** | **0** |
| Iowa | 2 | 0 | 0 | 23 | 0 | 0 | 0 |
| Kansas | 0 | 0 | 0 | 64 | 0 | 0 | 0 |
| Minnesota | 60 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 70 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **13** | **19** | **40** | **5** | **0** | **0** | **39** |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 50 | 36 | 0 | 13 | 0 | 0 | 0 |
| Georgia | 38 | 30 | 40 | 19 | 0 | 0 | 124 |
| Maryland | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 3 | 51 | 0 | 34 | 0 | 0 | 522 |
| South Carolina | 0 | 0 | 0 | 8 | 0 | 0 | 0 |
| Virginia | 0 | 57 | 0 | 10 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| **East South Central** | **0** | **34** | **0** | **8** | **108** | **0** | **0** |
| Alabama | 0 | 81 | 0 | 16 | 309 | 0 | 0 |
| Kentucky | 0 | 0 | 0 | 27 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| **West South Central** | **0** | **18** | **34** | **1** | **11** | **0** | **0** |
| Arkansas | 0 | 0 | 0 | 29 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | 0 | 2 | 14 | 0 | 0 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 46 | 34 | 2 | 12 | 0 | 0 |
| **Mountain** | **29** | **0** | **0** | **8** | **0** | **0** | **0** |
| Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 150 | 0 | 0 | 56 | 0 | 0 | 0 |
| Montana | 299 | 0 | 0 | 730 | 0 | 0 | 0 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 30 | 0 | 0 | 14 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **79** | **0** | **2** | **2** | **0** | **0** |
| California | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| Oregon | 0 | 0 | 0 | 74 | 0 | 0 | 0 |
| Washington | 0 | 126 | 0 | 16 | 0 | 0 | 0 |
| **Pacific Noncontiguous** | **0** | **5** | **0** | **0** | **0** | **0** | **95** |
| Alaska | 0 | 24 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| **U.S. Total** | **4** | **7** | **18** | **1** | **7** | **0** | **28** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **106** | **10** | **0** | **0** | **7** |
| Connecticut | 0 | 0 | 0 | 644 | 644 | 0 | 0 | 10 |
| Maine | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| Massachusetts | 0 | 0 | 0 | 107 | 157 | 0 | 0 | 14 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| **Middle Atlantic** | **0** | **0** | **0** | **58** | **11** | **0** | **0** | **8** |
| New Jersey | 0 | 0 | 0 | 91 | 91 | 0 | 0 | 5 |
| New York | 0 | 0 | 0 | 119 | 25 | 0 | 0 | 8 |
| Pennsylvania | 0 | 0 | 0 | 82 | 12 | 0 | 0 | 12 |
| **East North Central** | **0** | **0** | **0** | **0** | **8** | **0** | **1** | **5** |
| Illinois | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Indiana | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 9 |
| Michigan | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 13 |
| Ohio | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 9 |
| Wisconsin | 0 | 0 | 0 | 0 | 13 | 0 | 16 | 14 |
| **West North Central** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** |
| Iowa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Kansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| Minnesota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **0** | **0** | **0** | **114** | **3** | **0** | **0** | **3** |
| Delaware | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 |
| Florida | 0 | 0 | 0 | 136 | 8 | 0 | 1 | 5 |
| Georgia | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 |
| Maryland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 |
| South Carolina | 0 | 0 | 0 | 166 | 4 | 0 | 0 | 3 |
| Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| **East South Central** | **0** | **0** | **0** | **96** | **4** | **0** | **55** | **4** |
| Alabama | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 6 |
| Kentucky | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 17 |
| Mississippi | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 7 |
| Tennessee | 0 | 0 | 0 | 96 | 11 | 0 | 55 | 4 |
| **West South Central** | **0** | **0** | **0** | **0** | **6** | **0** | **3** | **1** |
| Arkansas | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 |
| Louisiana | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 2 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | 0 | 0 | 15 | 0 | 7 | 2 |
| **Mountain** | **0** | **0** | **0** | **107** | **1** | **0** | **0** | **5** |
| Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 166 | 6 | 0 | 0 | 20 |
| Montana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| **Pacific Contiguous** | **0** | **0** | **0** | **41** | **9** | **0** | **3** | **2** |
| California | 0 | 0 | 0 | 41 | 14 | 0 | 3 | 1 |
| Oregon | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 19 |
| Washington | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 8 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | **0** | **119** | **0** | **0** | **11** |
| Alaska | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 9 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| **U.S. Total** | **0** | **0** | **0** | **28** | **3** | **0** | **1** | **1** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:

### Industrial Sector by Census Division and State, Year-to-Date through July 2020

| Census Region and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional |
|---|---|---|---|---|---|---|---|
| **New England** | **89** | **75** | **0** | **9** | **0** | **0** | **101** |
| Connecticut | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| Maine | 89 | 81 | 0 | 20 | 0 | 0 | 101 |
| Massachusetts | 0 | 0 | 0 | 12 | 0 | 0 | 0 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 3,940 | 0 | 31 | 0 | 0 | 0 |
| **Middle Atlantic** | **0** | **35** | **0** | **7** | **62** | **0** | **72** |
| New Jersey | 0 | 0 | 0 | 8 | 0 | 0 | 0 |
| New York | 0 | 11 | 0 | 7 | 0 | 0 | 72 |
| Pennsylvania | 0 | 104 | 0 | 10 | 132 | 0 | 0 |
| **East North Central** | **7** | **32** | **0** | **7** | **21** | **0** | **43** |
| Illinois | 7 | 0 | 0 | 13 | 0 | 0 | 0 |
| Indiana | 0 | 18 | 0 | 6 | 29 | 0 | 0 |
| Michigan | 115 | 102 | 0 | 28 | 0 | 0 | 164 |
| Ohio | 0 | 0 | 0 | 13 | 0 | 0 | 0 |
| Wisconsin | 24 | 0 | 0 | 30 | 0 | 0 | 44 |
| **West North Central** | **5** | **0** | **0** | **16** | **0** | **0** | **0** |
| Iowa | 2 | 0 | 0 | 23 | 0 | 0 | 0 |
| Kansas | 0 | 0 | 0 | 64 | 0 | 0 | 0 |
| Minnesota | 60 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Dakota | 70 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **13** | **19** | **40** | **5** | **0** | **0** | **39** |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 50 | 36 | 0 | 13 | 0 | 0 | 0 |
| Georgia | 38 | 30 | 40 | 19 | 0 | 0 | 124 |
| Maryland | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 3 | 51 | 0 | 34 | 0 | 0 | 522 |
| South Carolina | 0 | 0 | 0 | 8 | 0 | 0 | 0 |
| Virginia | 0 | 57 | 0 | 10 | 0 | 0 | 0 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| **East South Central** | **0** | **34** | **0** | **8** | **108** | **0** | **0** |
| Alabama | 0 | 81 | 0 | 16 | 309 | 0 | 0 |
| Kentucky | 0 | 0 | 0 | 27 | 0 | 0 | 0 |
| Mississippi | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| Tennessee | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| **West South Central** | **0** | **18** | **34** | **1** | **11** | **0** | **0** |
| Arkansas | 0 | 0 | 0 | 29 | 0 | 0 | 0 |
| Louisiana | 0 | 0 | 0 | 2 | 14 | 0 | 0 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 46 | 34 | 2 | 12 | 0 | 0 |
| **Mountain** | **29** | **0** | **0** | **8** | **0** | **0** | **0** |
| Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 150 | 0 | 0 | 56 | 0 | 0 | 0 |
| Montana | 299 | 0 | 0 | 730 | 0 | 0 | 0 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 30 | 0 | 0 | 14 | 0 | 0 | 0 |
| **Pacific Contiguous** | **0** | **79** | **0** | **2** | **2** | **0** | **0** |
| California | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| Oregon | 0 | 0 | 0 | 74 | 0 | 0 | 0 |
| Washington | 0 | 126 | 0 | 16 | 0 | 0 | 0 |
| **Pacific Noncontiguous** | **0** | **5** | **0** | **0** | **0** | **0** | **95** |
| Alaska | 0 | 24 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| **U.S. Total** | **4** | **7** | **18** | **1** | **7** | **0** | **28** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:

### Industrial Sector by Census Division and State, Year-to-Date through July 2020 (Continued)

| Census Region and State | Wind | Geothermal | Biomass | Solar Thermal and Photovoltaic | Other Renewables | Hydroelectric Pumped Storage | Other Energy Sources | All Energy Sources |
|---|---|---|---|---|---|---|---|---|
| **New England** | **0** | **0** | **0** | **106** | **10** | **0** | **0** | **7** |
| Connecticut | 0 | 0 | 0 | 644 | 644 | 0 | 0 | 10 |
| Maine | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| Massachusetts | 0 | 0 | 0 | 107 | 157 | 0 | 0 | 14 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| **Middle Atlantic** | **0** | **0** | **0** | **58** | **11** | **0** | **0** | **8** |
| New Jersey | 0 | 0 | 0 | 91 | 91 | 0 | 0 | 5 |
| New York | 0 | 0 | 0 | 119 | 25 | 0 | 0 | 8 |
| Pennsylvania | 0 | 0 | 0 | 82 | 12 | 0 | 0 | 12 |
| **East North Central** | **0** | **0** | **0** | **0** | **8** | **0** | **1** | **5** |
| Illinois | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Indiana | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 9 |
| Michigan | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 13 |
| Ohio | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 9 |
| Wisconsin | 0 | 0 | 0 | 0 | 13 | 0 | 16 | 14 |
| **West North Central** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** |
| Iowa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Kansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| Minnesota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Missouri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| South Dakota | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **South Atlantic** | **0** | **0** | **0** | **114** | **3** | **0** | **0** | **3** |
| Delaware | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 |
| Florida | 0 | 0 | 0 | 136 | 8 | 0 | 1 | 5 |
| Georgia | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 |
| Maryland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 |
| South Carolina | 0 | 0 | 0 | 166 | 4 | 0 | 0 | 3 |
| Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| **East South Central** | **0** | **0** | **0** | **96** | **4** | **0** | **55** | **4** |
| Alabama | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 6 |
| Kentucky | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 17 |
| Mississippi | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 7 |
| Tennessee | 0 | 0 | 0 | 96 | 11 | 0 | 55 | 4 |
| **West South Central** | **0** | **0** | **0** | **0** | **6** | **0** | **3** | **1** |
| Arkansas | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 |
| Louisiana | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 2 |
| Oklahoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas | 0 | 0 | 0 | 0 | 15 | 0 | 7 | 2 |
| **Mountain** | **0** | **0** | **0** | **107** | **1** | **0** | **0** | **5** |
| Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 166 | 6 | 0 | 0 | 20 |
| Montana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Nevada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wyoming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| **Pacific Contiguous** | **0** | **0** | **0** | **41** | **9** | **0** | **3** | **2** |
| California | 0 | 0 | 0 | 41 | 14 | 0 | 3 | 1 |
| Oregon | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 19 |
| Washington | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 8 |
| **Pacific Noncontiguous** | **0** | **0** | **0** | **0** | **119** | **0** | **0** | **11** |
| Alaska | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 9 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| **U.S. Total** | **0** | **0** | **0** | **28** | **3** | **0** | **1** | **1** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.6.A. Relative Standard Error for Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **1** | **0** | **3** | **0** | **0** |
| Connecticut | 1 | 1 | 3 | 0 | 1 |
| Maine | 1 | 1 | 2 | 0 | 1 |
| Massachusetts | 1 | 1 | 6 | 0 | 1 |
| New Hampshire | 1 | 1 | 3 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 5 | 4 | 8 | 0 | 3 |
| **Middle Atlantic** | **0** | **0** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 2 | 0 | 0 |
| New York | 0 | 0 | 2 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **1** | **1** | **0** | **0** |
| Illinois | 1 | 1 | 1 | 0 | 0 |
| Indiana | 2 | 2 | 3 | 0 | 1 |
| Michigan | 1 | 2 | 4 | 0 | 1 |
| Ohio | 1 | 1 | 1 | 0 | 0 |
| Wisconsin | 2 | 4 | 7 | 0 | 2 |
| **West North Central** | **1** | **2** | **4** | **0** | **1** |
| Iowa | 3 | 8 | 7 | 0 | 4 |
| Kansas | 2 | 1 | 10 | 0 | 2 |
| Minnesota | 2 | 5 | 10 | 0 | 3 |
| Missouri | 2 | 2 | 7 | 0 | 1 |
| Nebraska | 3 | 8 | 9 | 0 | 4 |
| North Dakota | 4 | 5 | 11 | 0 | 5 |
| South Dakota | 4 | 10 | 15 | 0 | 5 |
| **South Atlantic** | **1** | **0** | **2** | **0** | **0** |
| Delaware | 2 | 1 | 6 | 0 | 1 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 1 | 1 | 7 | 0 | 1 |
| Georgia | 2 | 1 | 5 | 0 | 1 |
| Maryland | 1 | 0 | 2 | 0 | 0 |
| North Carolina | 1 | 1 | 5 | 0 | 1 |
| South Carolina | 2 | 1 | 5 | 0 | 2 |
| Virginia | 1 | 0 | 5 | 0 | 1 |
| West Virginia | 1 | 1 | 0 | 0 | 0 |
| **East South Central** | **1** | **1** | **2** | **0** | **1** |
| Alabama | 2 | 1 | 4 | 0 | 1 |
| Kentucky | 2 | 2 | 4 | 0 | 2 |
| Mississippi | 3 | 2 | 7 | 0 | 2 |
| Tennessee | 2 | 2 | 5 | 0 | 1 |
| **West South Central** | **1** | **1** | **2** | **0** | **1** |
| Arkansas | 2 | 2 | 6 | 0 | 2 |
| Louisiana | 2 | 1 | 2 | 0 | 1 |
| Oklahoma | 2 | 1 | 6 | 0 | 2 |
| Texas | 2 | 1 | 2 | 0 | 1 |
| **Mountain** | **1** | **2** | **2** | **0** | **1** |
| Arizona | 1 | 2 | 5 | 0 | 1 |
| Colorado | 3 | 5 | 8 | 0 | 3 |
| Idaho | 2 | 5 | 3 | 0 | 2 |
| Montana | 5 | 9 | 6 | 0 | 4 |
| Nevada | 1 | 2 | 1 | 0 | 1 |
| New Mexico | 3 | 8 | 9 | 0 | 4 |
| Utah | 3 | 5 | 3 | 0 | 2 |
| Wyoming | 5 | 9 | 6 | 0 | 4 |
| **Pacific Contiguous** | **1** | **1** | **3** | **0** | **1** |
| California | 1 | 1 | 2 | 0 | 1 |
| Oregon | 3 | 5 | 10 | 0 | 3 |
| Washington | 2 | 5 | 10 | 0 | 3 |
| **Pacific Noncontiguous** | **2** | **6** | **6** | **0** | **3** |
| Alaska | 6 | 13 | 21 | 0 | 8 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **1** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.6.B. Relative Standard Error for Sales of Electricity to Ultimate Customers

## by End-Use Sector, Census Division, and State, Year-to-Date through July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **0** | **1** | **2** | **0** | **0** |
| Connecticut | 0 | 1 | 3 | 0 | 1 |
| Maine | 0 | 1 | 2 | 0 | 0 |
| Massachusetts | 0 | 1 | 5 | 0 | 1 |
| New Hampshire | 0 | 1 | 3 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 2 | 5 | 6 | 0 | 2 |
| **Middle Atlantic** | **0** | **0** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 1 | 0 | 0 |
| New York | 0 | 0 | 1 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **1** | **1** | **0** | **0** |
| Illinois | 0 | 1 | 1 | 0 | 0 |
| Indiana | 1 | 2 | 2 | 0 | 1 |
| Michigan | 0 | 2 | 3 | 0 | 1 |
| Ohio | 0 | 1 | 1 | 0 | 0 |
| Wisconsin | 1 | 3 | 6 | 0 | 2 |
| **West North Central** | **0** | **2** | **3** | **0** | **1** |
| Iowa | 1 | 6 | 5 | 0 | 3 |
| Kansas | 1 | 1 | 7 | 0 | 2 |
| Minnesota | 1 | 4 | 7 | 0 | 3 |
| Missouri | 1 | 2 | 5 | 0 | 1 |
| Nebraska | 1 | 6 | 8 | 0 | 3 |
| North Dakota | 1 | 4 | 7 | 0 | 4 |
| South Dakota | 1 | 8 | 12 | 0 | 4 |
| **South Atlantic** | **0** | **0** | **2** | **0** | **0** |
| Delaware | 1 | 2 | 5 | 0 | 1 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 0 | 5 | 0 | 0 |
| Georgia | 1 | 1 | 4 | 0 | 1 |
| Maryland | 0 | 0 | 2 | 0 | 0 |
| North Carolina | 1 | 1 | 3 | 0 | 1 |
| South Carolina | 1 | 1 | 3 | 0 | 1 |
| Virginia | 1 | 1 | 4 | 1 | 1 |
| West Virginia | 0 | 1 | 0 | 0 | 0 |
| **East South Central** | **0** | **1** | **2** | **0** | **1** |
| Alabama | 1 | 1 | 3 | 0 | 1 |
| Kentucky | 1 | 3 | 2 | 0 | 1 |
| Mississippi | 1 | 1 | 5 | 0 | 2 |
| Tennessee | 1 | 2 | 4 | 0 | 1 |
| **West South Central** | **1** | **1** | **1** | **0** | **1** |
| Arkansas | 1 | 1 | 4 | 0 | 2 |
| Louisiana | 1 | 1 | 1 | 0 | 1 |
| Oklahoma | 1 | 1 | 4 | 0 | 1 |
| Texas | 1 | 1 | 2 | 0 | 1 |
| **Mountain** | **0** | **1** | **2** | **0** | **1** |
| Arizona | 0 | 2 | 3 | 0 | 1 |
| Colorado | 1 | 4 | 6 | 0 | 2 |
| Idaho | 1 | 4 | 3 | 0 | 2 |
| Montana | 1 | 6 | 6 | 0 | 3 |
| Nevada | 0 | 2 | 1 | 0 | 1 |
| New Mexico | 1 | 6 | 6 | 0 | 3 |
| Utah | 1 | 4 | 2 | 0 | 2 |
| Wyoming | 1 | 7 | 4 | 0 | 3 |
| **Pacific Contiguous** | **0** | **1** | **3** | **0** | **1** |
| California | 0 | 1 | 2 | 0 | 1 |
| Oregon | 1 | 4 | 8 | 0 | 3 |
| Washington | 0 | 4 | 7 | 0 | 2 |
| **Pacific Noncontiguous** | **1** | **4** | **4** | **0** | **2** |
| Alaska | 1 | 9 | 15 | 0 | 5 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **1** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.7.A. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **0** | **0** | **1** | **0** | **0** |
| Connecticut | 0 | 0 | 1 | 0 | 0 |
| Maine | 1 | 1 | 2 | 0 | 1 |
| Massachusetts | 1 | 1 | 3 | 0 | 1 |
| New Hampshire | 1 | 1 | 2 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 4 | 3 | 6 | 0 | 3 |
| **Middle Atlantic** | **0** | **0** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 1 | 0 | 0 |
| New York | 0 | 0 | 1 | 0 | 0 |
| Pennsylvania | 1 | 0 | 0 | 0 | 0 |
| **East North Central** | **1** | **1** | **1** | **0** | **0** |
| Illinois | 1 | 1 | 1 | 0 | 0 |
| Indiana | 2 | 2 | 2 | 0 | 1 |
| Michigan | 1 | 1 | 4 | 0 | 1 |
| Ohio | 1 | 0 | 1 | 0 | 0 |
| Wisconsin | 1 | 3 | 7 | 0 | 2 |
| **West North Central** | **1** | **2** | **4** | **0** | **1** |
| Iowa | 2 | 5 | 6 | 0 | 2 |
| Kansas | 3 | 2 | 9 | 0 | 2 |
| Minnesota | 2 | 4 | 9 | 0 | 2 |
| Missouri | 2 | 1 | 5 | 0 | 1 |
| Nebraska | 2 | 7 | 9 | 0 | 3 |
| North Dakota | 3 | 5 | 9 | 0 | 4 |
| South Dakota | 4 | 8 | 14 | 0 | 4 |
| **South Atlantic** | **1** | **1** | **2** | **0** | **1** |
| Delaware | 2 | 2 | 6 | 0 | 2 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 1 | 1 | 7 | 0 | 1 |
| Georgia | 2 | 1 | 5 | 0 | 1 |
| Maryland | 1 | 0 | 2 | 0 | 0 |
| North Carolina | 2 | 1 | 4 | 0 | 1 |
| South Carolina | 2 | 2 | 4 | 0 | 2 |
| Virginia | 1 | 1 | 5 | 0 | 1 |
| West Virginia | 1 | 1 | 0 | 0 | 0 |
| **East South Central** | **1** | **1** | **3** | **0** | **1** |
| Alabama | 2 | 2 | 4 | 0 | 1 |
| Kentucky | 3 | 2 | 4 | 0 | 2 |
| Mississippi | 4 | 3 | 9 | 0 | 3 |
| Tennessee | 2 | 2 | 6 | 0 | 1 |
| **West South Central** | **1** | **1** | **2** | **0** | **1** |
| Arkansas | 3 | 3 | 5 | 0 | 2 |
| Louisiana | 2 | 2 | 3 | 0 | 1 |
| Oklahoma | 3 | 2 | 7 | 0 | 2 |
| Texas | 2 | 1 | 3 | 0 | 1 |
| **Mountain** | **1** | **2** | **3** | **0** | **1** |
| Arizona | 1 | 3 | 5 | 0 | 1 |
| Colorado | 2 | 6 | 9 | 0 | 3 |
| Idaho | 2 | 4 | 3 | 0 | 2 |
| Montana | 4 | 7 | 8 | 0 | 4 |
| Nevada | 1 | 3 | 2 | 0 | 1 |
| New Mexico | 3 | 8 | 13 | 0 | 4 |
| Utah | 2 | 7 | 4 | 0 | 3 |
| Wyoming | 5 | 8 | 7 | 0 | 4 |
| **Pacific Contiguous** | **0** | **1** | **2** | **0** | **0** |
| California | 0 | 1 | 1 | 0 | 0 |
| Oregon | 2 | 4 | 9 | 0 | 2 |
| Washington | 2 | 4 | 10 | 0 | 2 |
| **Pacific Noncontiguous** | **2** | **4** | **4** | **0** | **2** |
| Alaska | 5 | 10 | 15 | 0 | 5 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **1** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.7.B. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers

## by End-Use Sector, Census Division, and State, Year-to-Date through July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **0** | **0** | **1** | **0** | **0** |
| Connecticut | 0 | 1 | 1 | 0 | 0 |
| Maine | 0 | 1 | 1 | 0 | 0 |
| Massachusetts | 0 | 1 | 3 | 0 | 0 |
| New Hampshire | 0 | 1 | 3 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 2 | 4 | 4 | 0 | 2 |
| **Middle Atlantic** | **0** | **0** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 1 | 0 | 0 |
| New York | 0 | 0 | 1 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **1** | **1** | **0** | **0** |
| Illinois | 0 | 1 | 1 | 0 | 0 |
| Indiana | 1 | 2 | 1 | 0 | 1 |
| Michigan | 0 | 1 | 4 | 0 | 1 |
| Ohio | 0 | 1 | 1 | 0 | 0 |
| Wisconsin | 1 | 2 | 6 | 0 | 2 |
| **West North Central** | **1** | **1** | **3** | **0** | **1** |
| Iowa | 1 | 5 | 6 | 0 | 2 |
| Kansas | 1 | 2 | 6 | 0 | 1 |
| Minnesota | 1 | 3 | 8 | 0 | 2 |
| Missouri | 1 | 2 | 4 | 0 | 1 |
| Nebraska | 1 | 5 | 10 | 0 | 3 |
| North Dakota | 1 | 3 | 7 | 0 | 3 |
| South Dakota | 2 | 6 | 13 | 0 | 3 |
| **South Atlantic** | **0** | **0** | **2** | **0** | **0** |
| Delaware | 1 | 2 | 5 | 0 | 1 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 1 | 5 | 0 | 0 |
| Georgia | 1 | 1 | 4 | 0 | 1 |
| Maryland | 0 | 0 | 2 | 0 | 0 |
| North Carolina | 1 | 1 | 3 | 0 | 1 |
| South Carolina | 1 | 1 | 3 | 0 | 1 |
| Virginia | 1 | 1 | 4 | 1 | 1 |
| West Virginia | 0 | 1 | 0 | 0 | 0 |
| **East South Central** | **1** | **1** | **2** | **0** | **1** |
| Alabama | 1 | 1 | 3 | 0 | 1 |
| Kentucky | 1 | 3 | 2 | 0 | 1 |
| Mississippi | 2 | 2 | 6 | 0 | 2 |
| Tennessee | 1 | 3 | 4 | 0 | 1 |
| **West South Central** | **1** | **1** | **2** | **0** | **1** |
| Arkansas | 1 | 2 | 4 | 0 | 1 |
| Louisiana | 1 | 1 | 2 | 0 | 1 |
| Oklahoma | 1 | 2 | 5 | 0 | 1 |
| Texas | 1 | 1 | 2 | 0 | 1 |
| **Mountain** | **0** | **2** | **2** | **0** | **1** |
| Arizona | 0 | 2 | 5 | 0 | 1 |
| Colorado | 1 | 4 | 7 | 0 | 2 |
| Idaho | 1 | 3 | 4 | 0 | 1 |
| Montana | 2 | 5 | 8 | 0 | 3 |
| Nevada | 0 | 2 | 2 | 0 | 1 |
| New Mexico | 2 | 6 | 10 | 0 | 3 |
| Utah | 2 | 5 | 4 | 0 | 2 |
| Wyoming | 2 | 6 | 5 | 0 | 3 |
| **Pacific Contiguous** | **0** | **1** | **2** | **0** | **0** |
| California | 0 | 1 | 1 | 0 | 0 |
| Oregon | 1 | 3 | 9 | 0 | 2 |
| Washington | 1 | 3 | 8 | 0 | 2 |
| **Pacific Noncontiguous** | **1** | **2** | **3** | **0** | **1** |
| Alaska | 2 | 6 | 13 | 0 | 3 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **1** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **0** | **0** | **1** | **0** | **0** |
| Connecticut | 0 | 0 | 2 | 0 | 0 |
| Maine | 1 | 0 | 1 | 0 | 0 |
| Massachusetts | 1 | 0 | 3 | 0 | 0 |
| New Hampshire | 0 | 0 | 1 | 0 | 0 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 3 | 2 | 3 | 0 | 2 |
| **Middle Atlantic** | **0** | **0** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 1 | 0 | 0 |
| New York | 0 | 0 | 1 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **0** | **0** | **0** | **0** |
| Illinois | 0 | 0 | 0 | 0 | 0 |
| Indiana | 1 | 1 | 1 | 0 | 1 |
| Michigan | 0 | 1 | 1 | 0 | 0 |
| Ohio | 1 | 0 | 0 | 0 | 0 |
| Wisconsin | 1 | 1 | 2 | 0 | 1 |
| **West North Central** | **1** | **1** | **1** | **0** | **1** |
| Iowa | 1 | 3 | 2 | 0 | 1 |
| Kansas | 2 | 2 | 4 | 0 | 2 |
| Minnesota | 1 | 1 | 3 | 0 | 1 |
| Missouri | 1 | 1 | 3 | 0 | 1 |
| Nebraska | 1 | 2 | 2 | 0 | 1 |
| North Dakota | 1 | 1 | 3 | 0 | 2 |
| South Dakota | 2 | 3 | 4 | 0 | 2 |
| **South Atlantic** | **1** | **0** | **1** | **0** | **0** |
| Delaware | 1 | 1 | 2 | 0 | 1 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 1 | 1 | 3 | 0 | 1 |
| Georgia | 1 | 1 | 2 | 0 | 1 |
| Maryland | 0 | 0 | 1 | 0 | 0 |
| North Carolina | 1 | 1 | 2 | 0 | 1 |
| South Carolina | 1 | 1 | 2 | 0 | 1 |
| Virginia | 1 | 1 | 2 | 0 | 1 |
| West Virginia | 0 | 0 | 0 | 0 | 0 |
| **East South Central** | **1** | **1** | **1** | **0** | **1** |
| Alabama | 1 | 1 | 2 | 0 | 1 |
| Kentucky | 2 | 1 | 1 | 0 | 1 |
| Mississippi | 2 | 2 | 4 | 0 | 2 |
| Tennessee | 1 | 1 | 2 | 0 | 1 |
| **West South Central** | **1** | **1** | **1** | **0** | **1** |
| Arkansas | 2 | 2 | 3 | 0 | 1 |
| Louisiana | 2 | 1 | 1 | 0 | 1 |
| Oklahoma | 2 | 2 | 3 | 0 | 1 |
| Texas | 1 | 1 | 1 | 0 | 1 |
| **Mountain** | **0** | **1** | **1** | **0** | **0** |
| Arizona | 0 | 1 | 2 | 0 | 0 |
| Colorado | 2 | 2 | 3 | 0 | 1 |
| Idaho | 1 | 1 | 1 | 0 | 1 |
| Montana | 2 | 3 | 2 | 0 | 1 |
| Nevada | 0 | 1 | 1 | 0 | 0 |
| New Mexico | 2 | 2 | 6 | 0 | 2 |
| Utah | 2 | 2 | 2 | 0 | 1 |
| Wyoming | 2 | 2 | 2 | 0 | 1 |
| **Pacific Contiguous** | **0** | **1** | **2** | **0** | **0** |
| California | 0 | 0 | 1 | 0 | 0 |
| Oregon | 1 | 1 | 2 | 0 | 1 |
| Washington | 1 | 2 | 1 | 0 | 1 |
| **Pacific Noncontiguous** | **1** | **3** | **3** | **0** | **2** |
| Alaska | 4 | 6 | 8 | 0 | 4 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **0** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

## Table A.8.B. Relative Standard Error for Average Price of Electricity to Ultimate Customers

## by End-Use Sector, Census Division, and State, Year-to-Date through July 2020

| Census Region and State | Residential | Commercial | Industrial | Transportation | Total |
|---|---|---|---|---|---|
| **New England** | **0** | **0** | **2** | **0** | **0** |
| Connecticut | 0 | 1 | 3 | 0 | 0 |
| Maine | 0 | 1 | 2 | 0 | 1 |
| Massachusetts | 0 | 1 | 5 | 0 | 1 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 1 | 6 | 6 | 0 | 2 |
| **Middle Atlantic** | **0** | **0** | **0** | **0** | **0** |
| New Jersey | 0 | 0 | 2 | 0 | 0 |
| New York | 0 | 0 | 1 | 0 | 0 |
| Pennsylvania | 0 | 0 | 0 | 0 | 0 |
| **East North Central** | **0** | **1** | **1** | **0** | **0** |
| Illinois | 0 | 1 | 1 | 0 | 0 |
| Indiana | 1 | 3 | 2 | 0 | 1 |
| Michigan | 0 | 2 | 5 | 0 | 1 |
| Ohio | 0 | 1 | 1 | 0 | 0 |
| Wisconsin | 1 | 3 | 7 | 0 | 2 |
| **West North Central** | **0** | **2** | **4** | **0** | **1** |
| Iowa | 1 | 7 | 7 | 0 | 3 |
| Kansas | 1 | 2 | 8 | 0 | 2 |
| Minnesota | 1 | 4 | 9 | 0 | 3 |
| Missouri | 1 | 2 | 5 | 0 | 1 |
| Nebraska | 1 | 7 | 11 | 0 | 4 |
| North Dakota | 1 | 4 | 9 | 0 | 4 |
| South Dakota | 1 | 9 | 15 | 0 | 4 |
| **South Atlantic** | **0** | **0** | **2** | **0** | **0** |
| Delaware | 1 | 2 | 6 | 0 | 1 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 0 | 1 | 6 | 0 | 1 |
| Georgia | 1 | 1 | 5 | 0 | 1 |
| Maryland | 0 | 0 | 2 | 0 | 0 |
| North Carolina | 1 | 1 | 4 | 0 | 1 |
| South Carolina | 1 | 1 | 4 | 0 | 1 |
| Virginia | 1 | 1 | 5 | 1 | 1 |
| West Virginia | 0 | 1 | 0 | 0 | 0 |
| **East South Central** | **1** | **2** | **2** | **0** | **1** |
| Alabama | 1 | 2 | 3 | 0 | 1 |
| Kentucky | 1 | 3 | 3 | 0 | 1 |
| Mississippi | 2 | 2 | 7 | 0 | 2 |
| Tennessee | 1 | 3 | 5 | 0 | 1 |
| **West South Central** | **1** | **1** | **2** | **0** | **1** |
| Arkansas | 1 | 2 | 5 | 0 | 2 |
| Louisiana | 1 | 1 | 2 | 0 | 1 |
| Oklahoma | 1 | 2 | 6 | 0 | 2 |
| Texas | 1 | 1 | 2 | 0 | 1 |
| **Mountain** | **0** | **2** | **3** | **0** | **1** |
| Arizona | 0 | 2 | 5 | 0 | 1 |
| Colorado | 1 | 5 | 8 | 0 | 3 |
| Idaho | 1 | 4 | 4 | 0 | 2 |
| Montana | 1 | 7 | 8 | 0 | 3 |
| Nevada | 0 | 2 | 2 | 0 | 1 |
| New Mexico | 2 | 8 | 11 | 0 | 4 |
| Utah | 1 | 5 | 4 | 0 | 2 |
| Wyoming | 2 | 8 | 6 | 0 | 3 |
| **Pacific Contiguous** | **0** | **1** | **3** | **0** | **1** |
| California | 0 | 1 | 2 | 0 | 1 |
| Oregon | 1 | 4 | 11 | 0 | 3 |
| Washington | 1 | 4 | 9 | 0 | 2 |
| **Pacific Noncontiguous** | **1** | **4** | **4** | **0** | **2** |
| Alaska | 2 | 9 | 17 | 0 | 5 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |
| **U.S. Total** | **0** | **0** | **1** | **0** | **0** |

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

**Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2020**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 1 | 01/09/2020 11:07 PM | 01/09/2020 11:18 PM | 0 Hours, 11 Minutes | Entergy Transmission Control Center - South | SPP RE | Arkansas: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-System Operations | Unknown | Unknown |
| 2020 | 1 | 01/09/2020 11:07 PM | 01/09/2020 11:19 PM | 0 Hours, 12 Minutes | Entergy - Transmission Operations Engineering | SPP RE | Arkansas: Yell County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | 0 | 0 |
| 2020 | 1 | 01/11/2020 2:25 AM | 01/11/2020 7:56 AM | 5 Hours, 31 Minutes | Entergy - Transmission Operations Engineering | SPP RE | Arkansas: Cross County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | 22 | 7541 |
| 2020 | 1 | 01/11/2020 3:30 AM | 01/11/2020 5:30 PM | 14 Hours, 0 Minutes | Entergy Corp | SPP RE | Arkansas: Texas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 68138 |
| 2020 | 1 | 01/11/2020 12:50 PM | 01/12/2020 1:33 PM | 24 Hours, 43 Minutes | Southern Company | SERC | Alabama: Georgia: Mississippi: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 219 | 30715 |
| 2020 | 1 | 01/11/2020 1:20 PM | . . | . Hours, . Minutes | Tennessee Valley Authority | SERC | Tennessee: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-Severe Weather | 4 | Unknown |
| 2020 | 1 | 01/11/2020 11:02 PM | 01/12/2020 2:01 AM | 2 Hours, 59 Minutes | Duke Energy Carolinas | SERC | North Carolina: South Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 66475 |
| 2020 | 1 | 01/17/2020 5:28 AM | 01/17/2020 10:13 AM | 4 Hours, 45 Minutes | Pacific Gas & Electric Co | WECC | California: Humboldt County; | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-Severe Weather/Transmission Interruption | 87 | 67864 |
| 2020 | 1 | 01/24/2020 4:34 AM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California: | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2020 | 1 | 01/30/2020 3:01 AM | 01/30/2020 4:36 AM | 1 Hours, 35 Minutes | Western Area Power Administration - Upper Great Plains Region | MRO | North Dakota: Burleigh County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 75 | 0 |
| 2020 | 2 | 02/06/2020 1:30 PM | 02/07/2020 8:08 PM | 30 Hours, 38 Minutes | Duke Energy Carolinas | SERC | North Carolina: South Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | Unknown | 89500 |
| 2020 | 2 | 02/06/2020 2:29 PM | 02/07/2020 12:44 PM | 22 Hours, 15 Minutes | Duke Energy Progress | SERC | North Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption | Unknown | 284256 |
| 2020 | 2 | 02/07/2020 8:48 AM | . . | . Hours, . Minutes | Dominion Energy VA | SERC | Virginia: North Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 87000 |
| 2020 | 2 | 02/07/2020 11:00 AM | . . | . Hours, . Minutes | Exelon Corporation/PECO | RF | Pennsylvania: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption | Unknown | 52000 |
| 2020 | 2 | 02/07/2020 2:42 PM | 02/10/2020 9:25 AM | 66 Hours, 43 Minutes | Niagara Mohawk Power Corporation (dba National Grid) | NPCC | New York: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 7500 |
| 2020 | 2 | 02/07/2020 4:25 PM | 02/08/2020 12:00 PM | 19 Hours, 35 Minutes | ISO New England | NPCC | Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 123359 |
| 2020 | 2 | 02/09/2020 9:30 AM | 02/09/2020 9:40 PM | 12 Hours, 10 Minutes | Pacific Gas & Electric Co | WECC | California: Alameda County, Contra Costa County, El Dorado County, Nevada County, Placer County, Sierra County, Santa Clara County, Napa County, Marin County, Santa Cruz County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 500 | 145000 |
| 2020 | 2 | 02/11/2020 7:13 AM | 02/11/2020 4:00 PM | 8 Hours, 47 Minutes | Portland General Electric Co | WECC | Oregon: Clackamas County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | Unknown | 0 |
| 2020 | 2 | 02/17/2020 4:00 AM | . . | . Hours, . Minutes | Pacific Gas & Electric Co | WECC | Northern and Central California: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 91 | 70000 |

**Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2020**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 3 | 03/01/2020 8:00 AM | . . | . Hours, . Minutes | Somerset Operating Company | NPCC | Western NY | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 675 | Unknown |
| 2020 | 3 | 03/01/2020 11:27 AM | 03/01/2020 9:47 PM | 10 Hours, 20 Minutes | Entergy - Transmission Operations Engineering | SERC | Mississippi: Rankin County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 19 | 3136 |
| 2020 | 3 | 03/12/2020 1:03 AM | 03/12/2020 3:00 AM | 1 Hours, 57 Minutes | PECO Energy Co | RF | Pennsylvania; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 40 | 15864 |
| 2020 | 3 | 03/16/2020 12:01 PM | 03/16/2020 1:10 PM | 1 Hours, 9 Minutes | Pacific Gas & Electric Co | WECC | California; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 165 | 110800 |
| 2020 | 3 | 03/18/2020 7:09 AM | . . | . Hours, . Minutes | Pacificorp | WECC | Utah; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Natural Disaster | 237 | 73000 |
| 2020 | 3 | 03/24/2020 2:55 AM | 03/24/2020 6:50 AM | 3 Hours, 55 Minutes | ISO New England | NPCC | Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 51026 |
| 2020 | 3 | 03/26/2020 9:29 PM | 03/26/2020 9:47 PM | 0 Hours, 18 Minutes | FirstEnergy Corp | RF | Ohio; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 19 | 11964 |
| 2020 | 3 | 03/29/2020 8:27 PM | 03/29/2020 11:04 PM | 2 Hours, 37 Minutes | Entergy - Transmission Operations Engineering | SERC | Mississippi: Panola County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 4 | 1558 |
| 2020 | 3 | 03/31/2020 11:45 AM | 03/31/2020 8:00 PM | 8 Hours, 15 Minutes | Southern Company | SERC | Alabama: Georgia; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 412 | 57744 |
| 2020 | 4 | 04/02/2020 1:37 PM | 04/02/2020 2:43 PM | 1 Hours, 6 Minutes | Nebraska Public Power District | MRO | Nebraska: York County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 5 | Unknown |
| 2020 | 4 | 04/05/2020 3:46 PM | 04/05/2020 5:35 PM | 1 Hours, 49 Minutes | Pacific Gas & Electric Co | WECC | California: Stanislaus County; | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-Severe Weather | 7 | 6814 |
| 2020 | 4 | 04/07/2020 11:39 PM | 04/07/2020 11:46 PM | 0 Hours, 7 Minutes | Bonneville Power Administration | WECC | Washington; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 4 | 04/08/2020 1:21 AM | 04/08/2020 3:56 AM | 2 Hours, 35 Minutes | Ohio Edison Co | WECC | Ohio; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 82509 |
| 2020 | 4 | 04/08/2020 9:57 PM | 04/09/2020 8:59 AM | 11 Hours, 2 Minutes | Duke Energy Midwest | RF | Ohio: Kentucky; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 78314 |
| 2020 | 4 | 04/08/2020 10:03 PM | 04/09/2020 7:36 AM | 9 Hours, 33 Minutes | Duke Energy Midwest | RF | Indiana; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 93000 |
| 2020 | 4 | 04/09/2020 7:25 PM | 04/10/2020 3:30 AM | 8 Hours, 5 Minutes | CenterPoint Energy | TRE | Texas: Harris County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 95000 |
| 2020 | 4 | 04/09/2020 7:40 PM | 04/11/2020 10:00 PM | 50 Hours, 20 Minutes | ISO New England | NPCC | Maine; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 340000 |
| 2020 | 4 | 04/11/2020 11:24 AM | 04/11/2020 11:42 AM | 0 Hours, 18 Minutes | Pacificorp | WECC | Wyoming; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 4 | 04/12/2020 5:00 PM | 04/14/2020 1:25 AM | 32 Hours, 25 Minutes | Southern Company | SERC | Mississippi: Alabama: Georgia; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 448 | 62828 |
| 2020 | 4 | 04/12/2020 6:13 PM | 04/13/2020 3:23 PM | 21 Hours, 10 Minutes | American Electric Power - (SPP Reliability Region) | TRE | Texas; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 63289 |

**Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2020**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 4 | 04/12/2020 8:30 PM | 04/14/2020 9:00 AM | 36 Hours, 30 Minutes | Arkansas Electric Coop Corp | SPP RE | Arkansas; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 51000 |
| 2020 | 4 | 04/12/2020 8:45 PM | . . | . Hours, . Minutes | Entergy Corp | SPP RE | Arkansas; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 95318 |
| 2020 | 4 | 04/12/2020 9:28 PM | 04/15/2020 12:00 PM | 62 Hours, 32 Minutes | American Electric Power - (RFC Reliability Region) | RF | Virginia: West Virginia; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 104000 |
| 2020 | 4 | 04/13/2020 12:45 AM | 04/13/2020 3:00 AM | 2 Hours, 15 Minutes | Tennessee Valley Authority | SERC | Tennessee: Hamilton County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 120000 |
| 2020 | 4 | 04/13/2020 3:30 AM | 04/14/2020 6:18 PM | 38 Hours, 48 Minutes | Duke Energy Carolinas | SERC | North Carolina: South Carolina; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 216400 |
| 2020 | 4 | 04/13/2020 7:31 AM | 04/13/2020 2:00 PM | 6 Hours, 29 Minutes | Duke Energy Progress | SERC | North Carolina: South Carolina; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | Unknown |
| 2020 | 4 | 04/13/2020 8:08 AM | . . | . Hours, . Minutes | Dominion Energy South Carolina | SERC | South Carolina; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 72233 |
| 2020 | 4 | 04/13/2020 10:25 AM | 04/13/2020 6:55 PM | 8 Hours, 30 Minutes | Dominion Energy VA | SERC | North Carolina; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 95000 |
| 2020 | 4 | 04/13/2020 1:05 PM | 04/14/2020 4:00 PM | 26 Hours, 55 Minutes | ISO New England | NPCC | Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 68476 |
| 2020 | 4 | 04/20/2020 12:59 AM | 04/20/2020 8:40 AM | 7 Hours, 41 Minutes | Southern Company | SERC | Alabama: Mississippi: Georgia: Florida; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 552 | 77341 |
| 2020 | 4 | 04/23/2020 4:30 AM | 04/23/2020 7:00 AM | 2 Hours, 30 Minutes | Entergy Corp | SERC | Mississippi: Arkansas: Louisiana; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 55184 |
| 2020 | 4 | 04/23/2020 8:00 AM | 04/23/2020 11:40 PM | 15 Hours, 40 Minutes | Southern Company | SERC | Alabama: Georgia: Mississippi: Florida; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 375 | 52163 |
| 2020 | 4 | 04/24/2020 9:00 PM | 04/24/2020 9:33 PM | 0 Hours, 33 Minutes | Pacific Gas & Electric Co | WECC | California: Placer County, Nevada County; | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-System Operations | 5 | 945 |
| 2020 | 4 | 04/26/2020 1:38 AM | . . | . Hours, . Minutes | Florida Power & Light | FRCC | Florida; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 49999 |
| 2020 | 4 | 04/28/2020 8:01 PM | 04/28/2020 11:21 PM | 3 Hours, 20 Minutes | Entergy - Transmission Operations Engineering | TRE | Texas: Jefferson County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 14 | 1 |
| 2020 | 4 | 04/29/2020 5:55 AM | 04/29/2020 7:00 PM | 13 Hours, 5 Minutes | CenterPoint Energy Houston Electric, LLC | TRE | Texas: Harris County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 146660 |
| 2020 | 4 | 04/29/2020 6:00 AM | 04/29/2020 12:31 PM | 6 Hours, 31 Minutes | Entergy Corp | SERC | Louisiana; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 77933 |
| 2020 | 4 | 04/30/2020 3:00 PM | . . | . Hours, . Minutes | Exelon Corporation/PECO | RF | Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 78007 |
| 2020 | 5 | 05/04/2020 11:59 AM | 05/07/2020 8:00 PM | 80 Hours, 1 Minutes | Tennessee Valley Authority | SERC | Tennessee: Davidson County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 500 | 130000 |
| 2020 | 5 | 05/13/2020 5:12 AM | 05/13/2020 2:07 PM | 8 Hours, 55 Minutes | Bonneville Power Administration | WECC | Washington; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 5 | 05/15/2020 5:55 PM | 05/17/2020 6:00 PM | 48 Hours, 5 Minutes | Niagara Mohawk Power Corporation (dba National Grid) | NPCC | New York: Saratoga County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 52 |
| 2020 | 5 | 05/22/2020 4:35 PM | 05/23/2020 3:29 PM | 22 Hours, 54 Minutes | Duke Energy Carolinas | SERC | North Carolina: South Carolina; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 108190 |
| 2020 | 5 | 05/24/2020 4:45 PM | . . | . Hours, . Minutes | Oklahoma Gas & Electric Co | SPP RE | Central Oklahoma | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 54000 |
| 2020 | 5 | 05/25/2020 10:58 AM | 05/25/2020 1:00 PM | 2 Hours, 2 Minutes | LCRA Transmission Services Corporation | TRE | Texas: Kerr County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 8 | 3745 |
| 2020 | 5 | 05/27/2020 5:15 PM | 05/29/2020 6:30 AM | 37 Hours, 15 Minutes | CenterPoint Energy Houston Electric, LLC | TRE | Texas: Harris County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 382000 |

**Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2020**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 5 | 05/27/2020 5:20 PM | . . | . Hours, . Minutes | CenterPoint Energy | TRE | Texas; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 273269 |
| 2020 | 5 | 05/29/2020 5:01 PM | 05/29/2020 6:57 PM | 1 Hours, 56 Minutes | FirstEnergy Corp | RF | Pennsylvania: Warren County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 6 | 06/03/2020 12:30 PM | 06/03/2020 6:00 PM | 5 Hours, 30 Minutes | Exelon Corporation/PECO | RF | Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 708000 |
| 2020 | 6 | 06/03/2020 1:00 PM | 06/06/2020 4:30 PM | 75 Hours, 30 Minutes | Public Service Electric & Gas | RF | New Jersey; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 80 | 87000 |
| 2020 | 6 | 06/03/2020 1:36 PM | 06/03/2020 4:30 PM | 2 Hours, 54 Minutes | Jersey Central Power & Lt Co | RF | New Jersey; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 78079 |
| 2020 | 6 | 06/09/2020 11:21 AM | 06/09/2020 12:01 PM | 0 Hours, 40 Minutes | Bonneville Power Administration | WECC | Washington; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 6 | 06/10/2020 12:22 PM | 06/10/2020 5:00 PM | 4 Hours, 38 Minutes | Consumers Energy Co | RF | Michigan: Gratiot County, Lake County, Missaukee County, Benzie County, Leelanau County, Manistee County, Wexford County, Montcalm County, Kent County, Ottawa County, Van Buren County, St. Joseph County, Arenac County, Saginaw County, Calhoun County, Branch County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 270000 |
| 2020 | 6 | 06/10/2020 5:24 PM | 06/11/2020 6:00 PM | 24 Hours, 36 Minutes | American Electric Power - (RFC Reliability Region) | RF | Ohio: Indiana: Kentucky: West Virginia; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 85822 |
| 2020 | 6 | 06/10/2020 7:30 PM | . . | . Hours, . Minutes | Detroit Edison Co | RF | Michigan: Oakland County, Macomb County, Wayne County, Sanilac County, Tuscola County, Huron County, Lapeer County, Livingston County, Monroe County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 237000 |
| 2020 | 6 | 06/27/2020 4:00 PM | 06/28/2020 2:27 AM | 10 Hours, 27 Minutes | Southern Company | SERC | Alabama: Georgia; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 33480 | 78109 |
| 2020 | 6 | 06/29/2020 2:32 PM | 06/29/2020 4:35 PM | 2 Hours, 3 Minutes | Entergy - Transmission Operations Engineering | SPP RE | Arkansas: Garland County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 7 | 07/01/2020 7:26 PM | 07/01/2020 7:44 PM | 0 Hours, 18 Minutes | FirstEnergy Corp | RF | Pennsylvania; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 32 | 2013 |
| 2020 | 7 | 07/02/2020 8:30 PM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California: Butte County; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2020 | 7 | 07/07/2020 11:38 AM | 07/07/2020 6:24 PM | 6 Hours, 46 Minutes | Los Angeles Department of Water & Power | WECC | California: Los Angeles County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 7 | 07/07/2020 1:09 PM | 07/08/2020 8:17 AM | 19 Hours, 8 Minutes | Public Service Company of Colorado | WECC | Colorado; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 7 | 07/07/2020 7:17 PM | 07/07/2020 11:49 PM | 4 Hours, 32 Minutes | American Electric Power - (RFC Reliability Region) | RF | West Virginia: Wyoming County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | Unknown | Unknown |
| 2020 | 7 | 07/08/2020 6:45 PM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |

**Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2020**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2020 | 7 | 07/11/2020 4:55 AM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California: | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2020 | 7 | 07/11/2020 9:30 PM | . . | . Hours, . Minutes | Southwest Power Pool, Inc. | SPP RE | Oklahoma: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 94700 |
| 2020 | 7 | 07/11/2020 11:30 PM | 07/12/2020 6:30 AM | 7 Hours, 0 Minutes | Oklahoma Gas & Electric Co | SPP RE | Oklahoma: Arkansas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 68000 |
| 2020 | 7 | 07/12/2020 4:30 AM | 07/13/2020 5:00 AM | 24 Hours, 30 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Collin County, Dallas County, Denton County, Rockwall County, Tarrant County: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 48000 |
| 2020 | 7 | 07/19/2020 10:30 AM | . . | . Hours, . Minutes | Somerset Operating Company | NPCC | New York: Niagara County | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 675 | |
| 2020 | 7 | 07/19/2020 2:30 PM | 07/21/2020 6:48 PM | 52 Hours, 18 Minutes | Detroit Edison Co | RF | Michigan: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 158500 |
| 2020 | 7 | 07/22/2020 11:30 AM | 07/22/2020 2:19 PM | 2 Hours, 49 Minutes | FirstEnergy Corp | RF | West Virginia: Tucker County: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2020 | 7 | 07/25/2020 7:58 PM | 07/27/2020 7:00 PM | 47 Hours, 2 Minutes | American Electric Power - Texas | TRE | Texas: Nueces County, Kleberg County, Cameron County, Willacy County, Hidalgo County, Starr County, Kenedy County: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | Unknown | 201208 |
| 2020 | 7 | 07/25/2020 9:00 PM | 07/26/2020 4:00 PM | 19 Hours, 0 Minutes | Magic Valley Electric Cooperative, Inc. | TRE | Texas: Hidalgo County, Cameron County, Starr County, Kenedy County, Willacy County, Brooks County, Jim Hogg County: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 125 | 84000 |
| 2020 | 7 | 07/30/2020 5:54 PM | 07/30/2020 8:18 PM | 2 Hours, 24 Minutes | Western Area Power Administration - Upper Great Plains Region | MRO | Nebraska: Scotts Bluff County: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |

Note: Customers affected are estimates and are preliminary.Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 1 | 01/06/2019 1:00 AM | 01/06/2019 12:00 PM | 11 Hours, 0 Minutes | Puget Sound Energy | WECC | Washington: King County, Thurston County, Pierce County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 230000 |
| 2019 | 1 | 01/06/2019 3:00 AM | 01/09/2019 7:00 AM | 76 Hours, 0 Minutes | Peak Reliability | WECC | Washington: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 230 | 230000 |
| 2019 | 1 | 01/06/2019 5:56 PM | 01/06/2019 9:52 PM | 3 Hours, 56 Minutes | Sacramento Municipal Util Dist | WECC | California: Sacramento County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 300 | 90382 |
| 2019 | 1 | 01/10/2019 12:19 PM | 01/10/2019 12:48 PM | 0 Hours, 29 Minutes | Western Area Power Administration - Upper Great Plains Region | WECC | Montana: Valley County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations | 11 | 2 |
| 2019 | 1 | 01/12/2019 11:30 AM | . . | . Hours, . Minutes | Southwest Power Pool, Inc. | SERC | Missouri: Nebraska: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 116600 |
| 2019 | 1 | 01/12/2019 11:30 AM | 01/13/2019 10:00 PM | 34 Hours, 30 Minutes | Kansas City Power & Light Co | SPP RE | Missouri: Jackson County; Kansas: Johnson County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 112530 |
| 2019 | 1 | 01/13/2019 5:30 AM | 01/15/2019 5:00 PM | 59 Hours, 30 Minutes | Duke Energy Carolinas | SERC | North Carolina: South Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 133200 | |
| 2019 | 1 | 01/16/2019 5:26 PM | 01/17/2019 12:19 PM | 18 Hours, 53 Minutes | Pacific Gas & Electric Co | WECC | California: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 190 | 126700 |
| 2019 | 1 | 01/18/2019 9:54 PM | 01/19/2019 12:19 AM | 2 Hours, 25 Minutes | Nebraska Public Power District | MRO | Nebraska: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 8 | |
| 2019 | 1 | 01/23/2019 7:26 AM | 01/23/2019 5:05 PM | 9 Hours, 39 Minutes | Western Area Power Administration | WECC | Colorado: Larimer County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations | 0 | 0 |
| 2019 | 1 | 01/29/2019 6:34 PM | 01/29/2019 6:36 PM | 0 Hours, 2 Minutes | Entergy Transmission Control Center - North | SERC | Louisiana: Washington Parish; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | | |
| 2019 | 1 | 01/30/2019 4:23 AM | 02/02/2019 9:00 AM | 76 Hours, 37 Minutes | Prairie Power, Inc. | SERC | Illinois: Scott County; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | | |
| 2019 | 1 | 01/30/2019 7:00 AM | 01/30/2019 8:08 AM | 1 Hours, 8 Minutes | Prairie Power, Inc. | SERC | Illinois: Pike County; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Severe Weather | | |
| 2019 | 1 | 01/30/2019 9:30 AM | 01/31/2019 6:00 PM | 32 Hours, 30 Minutes | Detroit Edison Co | RF | Michigan: | Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather | | |
| 2019 | 2 | 02/05/2019 6:17 PM | 02/05/2019 8:26 PM | 2 Hours, 9 Minutes | Pacific Gas & Electric Co | WECC | California | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Severe Weather | 42 | 33200 |
| 2019 | 2 | 02/07/2019 7:39 AM | 02/07/2019 7:40 AM | 0 Hours, 1 Minutes | Entergy Transmission Control Center - North | SERC | Arkansas | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | 3 | 3370 |
| 2019 | 2 | 02/07/2019 8:55 AM | 02/09/2019 4:30 PM | 55 Hours, 35 Minutes | Consumers Energy Co | RF | Michigan | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 233000 |
| 2019 | 2 | 02/08/2019 6:30 PM | . . | . Hours, . Minutes | Puget Sound Energy | WECC | Washington | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 50940 |
| 2019 | 2 | 02/13/2019 2:48 AM | 02/15/2019 12:28 AM | 45 Hours, 40 Minutes | Pacific Gas & Electric Co | WECC | California | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 182 | 121000 |
| 2019 | 2 | 02/23/2019 2:05 PM | . . | . Hours, . Minutes | American Electric Power - (RFC Reliability Region) | SERC | Virginia | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | | |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 2 | 02/24/2019 11:21 AM | 02/26/2019 5:29 PM | 54 Hours, 8 Minutes | American Electric Power - (RFC Reliability Region) | RF | Ohio, Virginia, West Virginia | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 118781 |
| 2019 | 2 | 02/24/2019 12:31 PM | 02/24/2019 2:57 PM | 2 Hours, 26 Minutes | Ohio Edison Co | RF | Ohio | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 157274 |
| 2019 | 2 | 02/24/2019 2:33 PM | 02/24/2019 6:03 PM | 3 Hours, 30 Minutes | Monongahela Power Co | RF | Pennsylvania | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 94048 |
| 2019 | 2 | 02/24/2019 6:00 PM | 02/25/2019 10:00 PM | 28 Hours, 0 Minutes | Duquesne Light Co | RF | Pennsylvania | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 132000 |
| 2019 | 2 | 02/24/2019 6:47 PM | 02/25/2019 1:55 PM | 19 Hours, 8 Minutes | West Penn Power Company | RF | Pennsylvania | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 137216 |
| 2019 | 2 | 02/24/2019 8:02 PM | 02/25/2019 2:30 PM | 18 Hours, 28 Minutes | Consumers Energy Co | RF | Michigan | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 115000 |
| 2019 | 2 | 02/25/2019 7:45 AM | 02/25/2019 6:40 PM | 10 Hours, 55 Minutes | ISO New England | NPCC | Massachusetts | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 2 | 02/25/2019 1:35 PM | 02/26/2019 2:50 AM | 13 Hours, 15 Minutes | ISO New England | NPCC | Connecticut, Massachusetts, New Hampshire, Maine, Vermont, Rhode Island | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 72332 |
| 2019 | 2 | 02/27/2019 11:25 AM | 02/27/2019 5:39 PM | 6 Hours, 14 Minutes | MidAmerican Energy Co | MRO | Iowa | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 3 | 03/13/2019 5:50 AM | 03/13/2019 10:30 AM | 4 Hours, 40 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Midland County, Ector County, Tarrant County, Dallas County, Wichita County, Brown County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 154124 |
| 2019 | 3 | 03/13/2019 11:29 AM | 03/14/2019 9:11 PM | 33 Hours, 42 Minutes | Public Service Company of Colorado | WECC | Colorado: Jefferson County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 58 | 58379 |
| 2019 | 3 | 03/13/2019 3:00 PM | 03/14/2019 12:00 AM | 9 Hours, 0 Minutes | Southwest Power Pool, Inc. | TRE | Texas: Kansas: Oklahoma: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | | 66000 |
| 2019 | 3 | 03/13/2019 3:51 PM | 03/16/2019 6:00 PM | 74 Hours, 9 Minutes | Southwestern Public Service | TRE | Texas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | 50 | 54290 |
| 2019 | 4 | 04/03/2019 5:15 AM | 04/03/2019 12:39 PM | 7 Hours, 24 Minutes | California Department of Water Resources | WECC | California: Fresno County; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2019 | 4 | 04/04/2019 10:13 AM | 04/04/2019 12:08 PM | 1 Hours, 55 Minutes | Bonneville Power Administration | WECC | Montana: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 4 | 04/07/2019 1:46 PM | 04/08/2019 5:50 PM | 28 Hours, 4 Minutes | CenterPoint Energy | TRE | Texas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 537 | 231956 |
| 2019 | 4 | 04/11/2019 7:48 PM | 04/11/2019 8:00 PM | 0 Hours, 12 Minutes | Bonneville Power Administration | WECC | Oregon: Washington: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 4 | 04/12/2019 11:20 AM | 04/12/2019 12:46 PM | 1 Hours, 26 Minutes | Xcel Energy | MRO | Minnesota: Martin County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 4 | 04/13/2019 6:15 PM | 04/13/2019 11:15 PM | 5 Hours, 0 Minutes | Entergy Corp | SERC | Mississippi: Arkansas: Texas: Louisiana: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 60467 |
| 2019 | 4 | 04/15/2019 4:35 AM | 04/15/2019 2:40 PM | 10 Hours, 5 Minutes | Dominion Virginia Power | SERC | Virginia: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 75290 |
| 2019 | 4 | 04/18/2019 7:55 PM | 04/19/2019 5:29 PM | 21 Hours, 34 Minutes | Southern Company | SERC | Alabama: Mississippi: Georgia: Florida: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 116 | 34695 |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 4 | 04/18/2019 8:08 PM | 04/19/2019 11:00 AM | 14 Hours, 52 Minutes | Public Service Company of Colorado | WECC | Colorado: Clear Creek County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 4 | 04/25/2019 6:03 PM | 04/25/2019 6:32 PM | 0 Hours, 29 Minutes | Salt River Project | WECC | Arizona: Maricopa County; | Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Generation Inadequacy | 150 | 51366 |
| 2019 | 4 | 04/26/2019 1:00 AM | 04/26/2019 1:27 PM | 12 Hours, 27 Minutes | FirstEnergy Corp | RF | Pennsylvania: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 7 | 5830 |
| 2019 | 4 | 04/26/2019 3:16 PM | 04/26/2019 3:17 PM | 0 Hours, 1 Minutes | ISO New England | NPCC | Massachusetts: Hampden County[13]; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | 0 | 0 |
| 2019 | 4 | 04/26/2019 5:46 PM | 04/27/2019 11:49 AM | 18 Hours, 3 Minutes | Duke Energy Carolinas | SERC | North Carolina: South Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 54071 |
| 2019 | 4 | 04/28/2019 10:43 AM | 04/29/2019 2:06 AM | 15 Hours, 23 Minutes | FirstEnergy Corp | RF | Ohio: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 5 | 05/08/2019 9:22 AM | 05/08/2019 9:56 AM | 0 Hours, 34 Minutes | PJM Interconnection | RF | Pennsylvania: Mercer County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 29 | 1 |
| 2019 | 5 | 05/08/2019 3:50 PM | 05/13/2019 12:00 AM | 104 Hours, 10 Minutes | Southwest Power Pool, Inc. | SPP RE | Louisiana: Texas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption | | 65844 |
| 2019 | 5 | 05/09/2019 5:55 PM | 05/11/2019 8:50 PM | 50 Hours, 55 Minutes | CenterPoint Energy | TRE | Texas: Harris County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 691 | 238015 |
| 2019 | 5 | 05/09/2019 7:06 PM | 05/10/2019 2:57 AM | 7 Hours, 51 Minutes | CenterPoint Energy Houston Electric, LLC | TRE | Texas: Harris County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | 0 | 0 |
| 2019 | 5 | 05/10/2019 2:00 AM | 05/10/2019 12:15 PM | 10 Hours, 15 Minutes | Entergy Corp | TRE | Texas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 61008 |
| 2019 | 5 | 05/18/2019 3:45 PM | 05/20/2019 4:00 AM | 36 Hours, 15 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Ector County, Midland County, Tarrant County, Dallas County, Stephens County, Anderson County, McLennan County, Ellis County, Hunt County, Young County, Bell County, Limestone County, Collin County, Rockwall County, Henderson County, Parker County, Falls County, Freestone County, Kaufman County, Grayson County, Smith County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 0 | 68000 |
| 2019 | 5 | 05/23/2019 1:11 AM | 05/23/2019 12:00 PM | 10 Hours, 49 Minutes | Northern Indiana Pub Serv Co | RF | Indiana: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | 0 | 0 |
| 2019 | 5 | 05/23/2019 4:55 PM | 05/23/2019 11:40 PM | 6 Hours, 45 Minutes | Dominion Energy VA | SERC | Virginia: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 100000 |
| 2019 | 5 | 05/24/2019 9:47 PM | 05/24/2019 11:58 PM | 2 Hours, 11 Minutes | Pacific Gas & Electric Co | WECC | California: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system-Severe Weather | 20 | 10961 |
| 2019 | 5 | 05/27/2019 10:07 PM | 05/28/2019 3:00 AM | 4 Hours, 53 Minutes | Dayton Power & Light Co | RF | Ohio: Montgomery County, Darke County, Mercer County, Miami County, Greene County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | 347 | 70000 |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 6 | 06/02/2019 6:19 PM | 06/02/2019 8:43 PM | 2 Hours, 24 Minutes | Pacific Gas & Electric Co | WECC | California: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Severe Weather/Transmission Interruption | | |
| 2019 | 6 | 06/06/2019 6:09 PM | 06/06/2019 6:35 PM | 0 Hours, 26 Minutes | CPS Energy | TRE | Texas: Bexar County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 55017 |
| 2019 | 6 | 06/07/2019 2:43 PM | 06/07/2019 4:20 PM | 1 Hours, 37 Minutes | American Electric Power - Texas | TRE | Texas: Pecos County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 8 | 1 |
| 2019 | 6 | 06/08/2019 3:50 PM | 06/08/2019 7:40 PM | 3 Hours, 50 Minutes | Southwestern Public Service | TRE | Texas: Potter County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 6 | 06/09/2019 2:45 PM | 06/13/2019 10:30 PM | 103 Hours, 45 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Collin County, Dallas County, Denton County, Palo Pinto County, Tarrant County, Ellis County, Williamson County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 558000 |
| 2019 | 6 | 06/12/2019 2:56 PM | 06/12/2019 3:50 PM | 0 Hours, 54 Minutes | Imperial Irrigation District | WECC | California: Imperial County, Riverside County; | Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Generation Inadequacy | 982 | 30907 |
| 2019 | 6 | 06/16/2019 2:00 AM | 06/17/2019 11:59 PM | 45 Hours, 59 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Dallas County, Tarrant County, Collin County, Denton County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 340000 |
| 2019 | 6 | 06/16/2019 3:25 AM | . . | . Hours, . Minutes | American Electric Power - (SPP Reliability Region) | SPP RE | Oklahoma: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | | |
| 2019 | 6 | 06/19/2019 10:30 PM | 06/20/2019 7:00 PM | 20 Hours, 30 Minutes | Entergy Corp | SPP RE | Arkansas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 82045 |
| 2019 | 6 | 06/20/2019 4:11 PM | 06/21/2019 12:45 PM | 20 Hours, 34 Minutes | Dominion Energy VA | SERC | Virginia: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 60000 |
| 2019 | 6 | 06/21/2019 7:15 PM | . . | . Hours, . Minutes | Tennessee Valley Authority | SERC | Kentucky: Tennessee: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Severe Weather | | 50000 |
| 2019 | 6 | 06/22/2019 8:46 PM | 06/23/2019 12:30 AM | 3 Hours, 44 Minutes | Southern Company | SERC | Alabama: Georgia: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 115 | 34637 |
| 2019 | 6 | 06/23/2019 5:13 AM | 06/23/2019 10:58 AM | 5 Hours, 45 Minutes | Entergy - Transmission Operations Engineering | SPP RE | Arkansas: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 47 | 16199 |
| 2019 | 6 | 06/23/2019 10:00 PM | 06/25/2019 11:00 PM | 49 Hours, 0 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Dallas County, Denton County, Ellis County, Collin County, Ellis County, Hood County, Johnson County, Kaufman County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 265000 |
| 2019 | 6 | 06/24/2019 5:30 AM | 06/24/2019 8:45 AM | 3 Hours, 15 Minutes | Entergy Corp | SPP RE | Arkansas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 56451 |
| 2019 | 6 | 06/26/2019 1:58 PM | 06/26/2019 2:03 PM | 0 Hours, 5 Minutes | Montana-Dakota Utilities Co | MRO | North Dakota: Williams County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 53 | 0 |
| 2019 | 6 | 06/28/2019 2:25 PM | . . | . Hours, . Minutes | Bonneville Power Administration | WECC | Idaho: Nez Perce County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 6 | 06/30/2019 3:15 PM | 06/30/2019 4:15 PM | 1 Hours, 0 Minutes | Long Island Power Authority | NPCC | New York: Nassau County, Suffolk County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 3189 | 52498 |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 6 | 06/30/2019 3:30 PM | 06/30/2019 8:30 PM | 5 Hours, 0 Minutes | ComEd | SERC | Illinois: Cook County, DeKalb County, DuPage County, Grundy County, Iroquois County, Ford County, Lake County, Kendall County, Kankakee County, Kane County, Ogle County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 100000 |
| 2019 | 7 | 07/10/2019 12:10 PM | 07/12/2019 12:30 PM | 48 Hours, 20 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Collin County, Dallas County, Denton County, Hood County, Johnson County, Tarrant County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 57000 |
| 2019 | 7 | 07/11/2019 11:08 AM | 07/11/2019 11:13 AM | 0 Hours, 5 Minutes | Southwestern Public Service | TRE | Texas: Lynn County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 26 | 2043 |
| 2019 | 7 | 07/13/2019 7:15 AM | 07/14/2019 5:00 PM | 33 Hours, 45 Minutes | Entergy Corp | SERC | Louisiana: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 55730 |
| 2019 | 7 | 07/13/2019 6:47 PM | 07/13/2019 11:37 PM | 4 Hours, 50 Minutes | NYISO | NPCC | New York: New York County; | Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-Transmission Interruption | 452 | 72669 |
| 2019 | 7 | 07/13/2019 11:55 PM | 07/14/2019 1:00 PM | 13 Hours, 5 Minutes | Cleco Power LLC | SERC | Louisiana: Acadia Parish, Avoyelles Parish, Catahoula Parish, Evangeline Parish, Grant Parish, Iberia Parish, LaSalle Parish, Natchitoches Parish, Rapides Parish, Sabine Parish, St. Landry Parish, St. Martin Parish, St. Mary Parish, St. Tammany Parish, Allen Parish, Beauregard Parish, Calcasieu Parish, Vermilion Parish, De Soto Parish, Jefferson Davis Parish, Red River Parish, Tangipahoa Parish, V | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 63000 |
| 2019 | 7 | 07/19/2019 7:00 PM | 07/21/2019 8:00 PM | 49 Hours, 0 Minutes | Detroit Edison Co | RF | Michigan: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 400000 |
| 2019 | 7 | 07/20/2019 3:00 AM | 07/22/2019 7:00 AM | 52 Hours, 0 Minutes | Consumers Energy Co | RF | Michigan: Kent County, Newaygo County, Mecosta County, Montcalm County, Isabella County, Ionia County, Allegan County, Barry County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 160000 |
| 2019 | 7 | 07/20/2019 11:55 AM | 07/23/2019 12:00 AM | 60 Hours, 5 Minutes | WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP) | RF | Wisconsin: Michigan: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 200 | 50000 |
| 2019 | 7 | 07/21/2019 11:00 PM | 07/22/2019 8:54 PM | 21 Hours, 54 Minutes | Consolidated Edison Co-NY Inc | NPCC | New York: Kings County, New York County, Queens County, Bronx County, Westchester County, Richmond County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 60 | 45000 |
| 2019 | 7 | 07/22/2019 4:00 PM | 07/24/2019 11:00 PM | 55 Hours, 0 Minutes | PECO Energy Co | RF | Pennsylvania: Bucks County, Delaware County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 165000 |
| 2019 | 7 | 07/22/2019 5:50 PM | 07/25/2019 1:15 PM | 67 Hours, 25 Minutes | Public Service Electric & Gas | RF | New Jersey: Gloucester County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 49 | 95600 |
| 2019 | 7 | 07/23/2019 3:39 PM | 07/23/2019 7:00 PM | 3 Hours, 21 Minutes | ISO New England | NPCC | Massachusetts: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 54 | 54535 |
| 2019 | 7 | 07/23/2019 11:55 PM | 07/23/2019 11:56 PM | 0 Hours, 1 Minutes | Nebraska Public Power District | MRO | Nebraska: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 7 | 07/23/2019 11:55 PM | 07/24/2019 5:22 AM | 5 Hours, 27 Minutes | Western Area Power Administration - Upper Great Plains Region | MRO | Nebraska: Scotts Bluff County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 7 | 07/30/2019 8:45 AM | 07/30/2019 9:45 AM | 1 Hours, 0 Minutes | City of Alexandria | SERC | Louisiana: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | | 13720 |
| 2019 | 8 | 08/02/2019 1:49 AM | 08/02/2019 1:55 AM | 0 Hours, 6 Minutes | Northern States Power Co | MRO | Minnesota: Chisago County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 8 | 08/05/2019 5:23 PM | 08/06/2019 12:02 AM | 6 Hours, 39 Minutes | Bonneville Power Administration | WECC | Oregon: Umatilla County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 66 | |
| 2019 | 8 | 08/08/2019 4:16 PM | 08/08/2019 10:41 PM | 6 Hours, 25 Minutes | American Electric Power - (RFC Reliability Region) | RF | Ohio: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption | | 5600 |
| 2019 | 8 | 08/13/2019 10:00 AM | 08/13/2019 11:00 AM | 1 Hours, 0 Minutes | Rio Bravo Rocklin | WECC | California: Placer County; | Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-Vandalism | 0 | 0 |
| 2019 | 8 | 08/13/2019 3:10 PM | 08/13/2019 5:30 PM | 2 Hours, 20 Minutes | ERCOT | TRE | Texas: Williamson County; | Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather | | |
| 2019 | 8 | 08/15/2019 8:30 AM | . . | . Hours, . Minutes | Upstate New York Power Producers | NPCC | New York: Tompkins County; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 150 | |
| 2019 | 8 | 08/15/2019 3:11 PM | 08/15/2019 6:00 PM | 2 Hours, 49 Minutes | ERCOT | TRE | Texas: | Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather | | |
| 2019 | 8 | 08/15/2019 11:03 PM | 08/16/2019 12:37 AM | 1 Hours, 34 Minutes | Pacific Gas & Electric Co | WECC | California: Marin County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Distribution Interruption | 80 | 61318 |
| 2019 | 8 | 08/18/2019 3:59 PM | 08/18/2019 11:00 PM | 7 Hours, 1 Minutes | Southwest Power Pool, Inc. | SPP RE | Louisiana: Texas: | Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Transmission Interruption | 271 | 86373 |
| 2019 | 8 | 08/18/2019 4:30 PM | 08/18/2019 10:00 PM | 5 Hours, 30 Minutes | East Texas Electric Coop, Inc | TRE | Texas: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Transmission Interruption/Distribution Interruption | 259 | 61000 |
| 2019 | 8 | 08/18/2019 4:47 PM | 08/18/2019 11:00 PM | 6 Hours, 13 Minutes | American Electric Power - (SPP Reliability Region) | TRE | Texas: | Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-Distribution Interruption | 752 | 86373 |
| 2019 | 8 | 08/26/2019 9:09 AM | 08/26/2019 1:34 PM | 4 Hours, 25 Minutes | Great River Energy | MRO | North Dakota: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 8 | 08/26/2019 7:00 PM | 08/27/2019 3:00 AM | 8 Hours, 0 Minutes | Southwest Power Pool, Inc. | SPP RE | Oklahoma: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | | 95000 |
| 2019 | 8 | 08/26/2019 7:00 PM | 08/29/2019 1:00 PM | 66 Hours, 0 Minutes | Oklahoma Gas & Electric Co | SPP RE | Oklahoma: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 103779 |
| 2019 | 9 | 09/04/2019 2:30 PM | 09/06/2019 6:00 PM | 51 Hours, 30 Minutes | ERCOT | TRE | Texas: | Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather | | |
| 2019 | 9 | 09/05/2019 4:15 AM | 09/05/2019 3:17 PM | 11 Hours, 2 Minutes | Dominion Energy South Carolina | SERC | South Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 172278 |
| 2019 | 9 | 09/05/2019 10:00 PM | 09/06/2019 12:00 PM | 14 Hours, 0 Minutes | North Carolina El Member Corp | SERC | North Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 3 | 2000 |
| 2019 | 9 | 09/05/2019 10:36 PM | 09/06/2019 4:00 PM | 17 Hours, 24 Minutes | Duke Energy Progress | SERC | North Carolina: South Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 116000 |
| 2019 | 9 | 09/06/2019 8:20 AM | . . | . Hours, . Minutes | Dominion Energy VA | SERC | North Carolina: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 77000 |
| 2019 | 9 | 09/10/2019 9:22 PM | 09/10/2019 9:23 PM | 0 Hours, 1 Minutes | Pacificorp | WECC | Wyoming: Sweetwater County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 885 | 0 |
| 2019 | 9 | 09/11/2019 10:35 PM | 09/11/2019 11:59 PM | 1 Hours, 24 Minutes | Consumers Energy Co | RF | Michigan: Ionia County, Kent County, Barry County, Montcalm County, Allegan County, Ottawa County, Newaygo County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 54000 |
| 2019 | 9 | 09/19/2019 5:55 AM | 09/19/2019 2:30 PM | 8 Hours, 35 Minutes | Tucson Electric Power | WECC | Arizona: Pima County; | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 9 | 09/25/2019 3:47 AM | 09/25/2019 3:40 PM | 11 Hours, 53 Minutes | Pacific Gas & Electric Co | WECC | California: Napa County, Nevada County, Placer County, Plumas County, Sonoma County, Butte County, Yuba County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 25 | 69524 |
| 2019 | 9 | 09/29/2019 7:38 AM | . . | . Hours, . Minutes | Pacific Gas & Electric Co | WECC | California: Alameda County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Distribution Interruption | | 50072 |
| 2019 | 10 | 10/04/2019 5:15 AM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California: | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2019 | 10 | 10/06/2019 5:15 AM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California: | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2019 | 10 | 10/06/2019 2:50 PM | 10/06/2019 3:00 PM | 0 Hours, 10 Minutes | American Electric Power - Texas | TRE | Texas: Hidalgo County, Cameron County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | | |
| 2019 | 10 | 10/09/2019 12:27 AM | . . | . Hours, . Minutes | Pacific Gas & Electric Co | WECC | California: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | 2400 | 737808 |
| 2019 | 10 | 10/12/2019 3:00 PM | 10/12/2019 4:21 PM | 1 Hours, 21 Minutes | American Electric Power - Texas | TRE | Texas: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 10 | 10/15/2019 3:19 AM | 10/15/2019 6:38 AM | 3 Hours, 19 Minutes | FirstEnergy Corp | RF | Ohio: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 10 | 10/17/2019 12:45 AM | 10/19/2019 9:30 AM | 56 Hours, 45 Minutes | ISO New England | NPCC | Connecticut: Rhode Island; Massachusetts: Vermont: New Hampshire: Maine; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 101683 |
| 2019 | 10 | 10/19/2019 5:57 AM | 10/19/2019 1:58 PM | 8 Hours, 1 Minutes | Western Area Power Administration - Upper Great Plains Region | MRO | South Dakota: Codington County; Nebraska: Scotts Bluff County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 10 | 10/20/2019 10:15 PM | 10/25/2019 2:00 AM | 99 Hours, 45 Minutes | Oncor Electric Delivery Company LLC | TRE | Texas: Cass County, Cameron County, Collin County, Dallas County, Ellis County, Erath County, Hunt County, Kaufman County, Lamar County, Panola County, Rains County, Rockwall County, Rusk County, Tarrant County, Van Zandt County, Wood County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 400000 |
| 2019 | 10 | 10/23/2019 2:36 PM | . . | . Hours, . Minutes | Pacific Gas & Electric Co | WECC | California: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | | 50000 |
| 2019 | 10 | 10/24/2019 5:15 AM | . . | . Hours, . Minutes | California Department of Water Resources | WECC | California: | Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency | 0 | 0 |
| 2019 | 10 | 10/24/2019 5:02 PM | 10/24/2019 5:09 PM | 0 Hours, 7 Minutes | FirstEnergy Corp | RF | Ohio: Lorain County; | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 10 | 10/26/2019 5:15 AM | 10/26/2019 5:31 PM | 12 Hours, 16 Minutes | Entergy Corp | SERC | Louisiana: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 82124 |
| 2019 | 10 | 10/26/2019 6:00 PM | . . | . Hours, . Minutes | Tennessee Valley Authority | SERC | Tennessee: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 70000 |
| 2019 | 10 | 10/26/2019 6:20 PM | 10/31/2019 1:27 AM | 103 Hours, 7 Minutes | Pacific Gas & Electric Co | WECC | California: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | 3190 | 972000 |
| 2019 | 10 | 10/30/2019 6:32 AM | 11/01/2019 1:29 PM | 54 Hours, 57 Minutes | Southern California Edison Co | WECC | California: Los Angeles County, Orange County, Riverside County, San Bernardino County, Ventura County, Kern County; | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption | 285 | 114402 |
| 2019 | 10 | 10/31/2019 10:00 PM | . . | . Hours, . Minutes | Exelon Corporation/PECO | RF | Pennsylvania: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption | | 53943 |
| 2019 | 11 | 11/01/2019 1:00 AM | 11/03/2019 1:00 PM | 60 Hours, 0 Minutes | Niagara Mohawk Power Corporation (dba National Grid) | NPCC | New York: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 8000 |

**Table B.2 Major Disturbances and Unusual Occurrences, 2019**

| Year | Month | Event Date and Time | Restoration Date and Time | Duration | Utility/Power Pool | NERC Region | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected |
|---|---|---|---|---|---|---|---|---|---|---|
| 2019 | 11 | 11/01/2019 1:15 AM | 11/02/2019 9:30 PM | 44 Hours, 15 Minutes | ISO New England | NPCC | Connecticut: Maine: Massachusetts: Rhode Island: New Hampshire: Vermont: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 80066 |
| 2019 | 11 | 11/01/2019 2:41 AM | . . | . Hours, . Minutes | New York State Electric & Gas | NPCC | New York: Broome County: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | | 66325 |
| 2019 | 11 | 11/03/2019 10:17 PM | 11/04/2019 11:10 AM | 12 Hours, 53 Minutes | Northern States Power Co | MRO | Minnesota: Sherburne County: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 11 | 11/05/2019 8:56 AM | 11/05/2019 11:51 AM | 2 Hours, 55 Minutes | JEA | FRCC | Florida: Duval County: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 1500 | |
| 2019 | 11 | 11/08/2019 5:50 AM | 11/08/2019 6:10 AM | 0 Hours, 20 Minutes | Pacificorp | WECC | Utah: California: Oregon: Wyoming: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-System Operations | 72 | |
| 2019 | 11 | 11/20/2019 9:49 AM | 11/20/2019 3:20 PM | 5 Hours, 31 Minutes | Pacific Gas & Electric Co | WECC | California: Colusa County, Lake County, Mendocino County, Napa County, Solano County, Sonoma County, Yolo County, Shasta County, Tehama County: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption | 178 | 54000 |
| 2019 | 11 | 11/26/2019 6:07 PM | 11/27/2019 12:27 PM | 18 Hours, 20 Minutes | Pacific Gas & Electric Co | WECC | California: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 300 | 93000 |
| 2019 | 11 | 11/27/2019 12:00 PM | 11/30/2019 2:00 AM | 62 Hours, 0 Minutes | Detroit Edison Co | RF | Michigan: Tuscola County, Sanilac County, Huron County, St. Clair County, Macomb County, Oakland County, Wayne County, Livingston County, Washtenaw County, Monroe County: | Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather | 30 | 107000 |
| 2019 | 12 | 12/11/2019 1:27 PM | 12/11/2019 1:51 PM | 0 Hours, 24 Minutes | Western Area Power Administration - Upper Great Plains Region | MRO | North Dakota: Burleigh County: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 18 | 1 |
| 2019 | 12 | 12/16/2019 11:55 PM | 12/17/2019 1:47 AM | 1 Hours, 52 Minutes | American Electric Power - Texas | TRE | Texas: | Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption | 0 | 0 |
| 2019 | 12 | 12/31/2019 11:03 AM | 01/01/2020 10:59 AM | 23 Hours, 56 Minutes | American Electric Power - Texas | TRE | Texas: Nueces County: | Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Transmission Interruption | 25 | 0 |

Note: Customers affected are estimates and are preliminary.Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

# Appendix C

## Technical notes

This appendix describes how the U. S. Energy Information Administration (EIA) collects, estimates, and reports electric power data in the EPM.

## Data quality

The EPM is prepared by the Office of Energy Production, Conversion & Delivery (EPCD), Energy Information Administration (EIA), U.S. Department of Energy. Quality statistics begin with the collection of the correct data. To assure this, ERUS performs routine reviews of the data collected and the forms on which it is collected. Additionally, to assure that the data are collected from the correct parties, ERUS routinely reviews the frames for each data collection.

Automatic, computerized verification of keyed input, review by subject matter specialists, and follow-up with nonrespondents assure quality statistics. To ensure the quality standards established by the EIA, formulas that use the past history of data values in the database have been designed and implemented to check data input for errors automatically. Data values that fall outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies. All survey nonrespondents are identified and contacted.

## Reliability of data

There are two types of errors possible in an estimate based on a sample survey: sampling and non-sampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Non-sampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results is determined by the joint effects of sampling and non-sampling errors. Monthly sample survey data have both sampling and non-sampling error. Annual survey data are collected by a census and are not subject to sampling error.

Non-sampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse); (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. Note that for the cutoff sampling and model-based regression (ratio) estimation that we use, data 'missing' due to nonresponse, and data 'missing' due to being out-of-sample are treated in the same manner.Therefore missing data may be considered to result in sampling error, and variance estimates reflect all missing data.

Although no direct measurement of the biases due to non-sampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. See the Data Processing and Data System Editing section for each EIA form for an in-depth discussion of how the sampling and non-sampling errors are handled in each case.

Relative Standard Error: The relative standard error (RSE) statistic, usually given as a percentage, describes the magnitude of sampling error that might reasonably be incurred. The RSE is the square

root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable.

The sampling error may be less than the non-sampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated non-sampling errors, which were then identified and corrected. Non-sampling errors may be attributed to many sources, including the response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response, or coverage. These non-sampling errors also occur in complete censuses.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approximately a 68 percent chance that the true total or mean is within one RSE of the estimated total or mean. Note that reported RSEs are always estimates themselves, and are usually, as here, reported as percentages. As an example, suppose that a net generation from coal value is estimated to be 1,507 million kilowatthours with an estimated RSE of 4.9 percent. This means that, ignoring any non-sampling error, there is approximately a 68 percent chance that the true million kilowatthour value is within approximately 4.9 percent of 1,507 million kilowatthours (that is, between 1,433 and 1,581 million kilowatthours). Also under the Central Limit Theorem, there is approximately a 95 percent chance that the true mean or total is within 2 RSEs of the estimated mean or total.

Note that there are times when a model may not apply, such as in the case of a substantial reclassification of sales, when the relationship between the variable of interest and the regressor data does not hold. In such a case, the new information may represent only itself, and such numbers are added to model results when estimating totals. Further, there are times when sample data may be known to be in error, or are not reported. Such cases are treated as if they were never part of the model-based sample, and values are imputed. Experiments were done to see if nonresponse should be treated differently, but it was decided to treat those cases the same as out-of-sample cases.

Relative Standard Error With Respect to a Superpopulation: The RSESP statistic is similar to the RSE (described above). Like the RSE, it is a statistic designed to estimate the variability of data and is usually given as a percentage. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from sampling and non-sampling errors. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample 21,24. In addition to being a measure of data variability, the RSESP can also be useful in comparing different models that are applied to the same set of data22. This capability is used to test different regression models for imputation and prediction. This testing may include considerations such as comparing different regressors, the comparative reliability of different monthly samples, or the use of different geographical strata or groupings for a given model. For testing purposes, ERUS typically uses recent historical data that have been finalized. Typically, time-series graphics showing two or more models or samples are generated showing the RSESP values over time. In selecting models, consideration is given to total survey error as well as any apparent differences in robustness.

Imputation: For monthly data, if the reported values appeared to be in error and the data issue could not be resolved with the respondent, or if the facility was a nonrespondent, a regression methodology is used to impute for the facility. The same procedure is used to estimate ("predict") data for facilities not in the monthly sample. The regression methodology relies on other data to make estimates for erroneous or missing responses.

Estimation for missing monthly data is accomplished by relating the observed data each month to one or more other data elements (regressors) for which we generally have an annual census. Each year, when new annual regressor data are available, recent monthly relationships are updated, causing slight revisions to estimated monthly results. These revisions are made as soon as the annual data are released.

The basic technique employed is described in the paper "Model-Based Sampling and Inference16," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). The basis for the current methodology involves a 'borrowing of strength' technique for small domains.

## Data revision procedure

ERUS has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

- Annual survey data are disseminated either as preliminary or final when first appearing in a data product. Data initially released as preliminary will be so noted in the data product. These data are typically released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in another product.
- All monthly survey data are first disseminated as preliminary. These data are revised after the prior year's data are finalized and are disseminated as revised preliminary. No revisions are made to the published data before this or subsequent to these data being finalized unless significant errors are discovered.
- After data are disseminated as final, further revisions will be considered if they make a difference of 1 percent or greater at the national level. Revisions for differences that do not meet the 1 percent or greater threshold will be determined by the Office Director. In either case, the proposed revision will be subject to the EIA revision policy concerning how it affects other EIA products.
- The magnitudes of changes due to revisions experienced in the past will be included periodically in the data products, so that the reader can assess the accuracy of the data.

## Data sources for Electric Power Monthly

Data published in the EPM are compiled from the following sources:

- Form EIA-923, "Power Plant Operations Report,"
- Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report,"
- Form EIA 860, "Annual Electric Generator Report,"
- Form EIA-860M, "Monthly Update to the Annual Electric Generator Report," and

- Form EIA 861, "Annual Electric Power Industry Report."

For access to these forms and their instructions, please see:
http://www.eia.gov/cneaf/electricity/page/forms.html.

In addition to the above-named forms, the historical data published in the EPM for periods prior to 2008 are compiled from the following sources:

- FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants,"
- Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report,"
- Form EIA-759, "Monthly Power Plant Report,"
- Form EIA-860A, "Annual Electric Generator Report–Utility,"
- Form EIA-860B, "Annual Electric Generator Report–Nonutility,"
- Form EIA-900, "Monthly Nonutility Power Report,"
- Form EIA-906, "Power Plant Report," and
- Form EIA-920, "Combined Heat and Power Plant Report."

See Appendix A of the historical Electric Power Annual reports to find descriptions of forms that are no longer in use. The publications can be found from the top of the current EPA under previous issues: http://www.eia.gov/electricity/annual.

**Rounding rules for data:** To round a number to n digits (decimal places), add one unit to the nth digit if the (n+1) digit is 5 or larger and keep the nth digit unchanged if the (n+1) digit is less than 5. The symbol for a number rounded to zero is (*).

**Percent difference:** The following formula is used to calculate percent differences:

$$\text{Percent Difference} = \left( \frac{x(t_2) - x(t_1)}{|x(t_1)|} \right) x\ 100,$$

where $x(t_1)$ and $x(t_2)$ denote the quantity at year $t_1$ and subsequent year $t_2$.

**Meanings of symbols appearing in tables**: The following symbols have the meaning described below:

P Indicates a preliminary value.

NM Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).

## Form EIA-826

The Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," is a monthly collection of data from a sample of approximately 500 of the largest electric utilities (primarily investor owned and publicly owned) as well as a census of energy service providers with sales to ultimate consumers in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

**Instrument and design history:** The collection of electric power sales data and related information began in the early 1940's and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA 826, "Electric Utility Company Monthly Statement," replaced the FERC Form 5 in January 1983. In January 1987, the "Electric Utility Company Monthly Statement" was changed to the "Monthly Electric Utility Sales and Revenue Report with State Distributions." The title was changed again in January 2002 to "Monthly Electric Utility Sales and Revenues with State Distributions Report" to become consistent with other EIA report titles. The Form EIA 826 was revised in January 1990, and some data elements were eliminated.

In 1993, EIA for the first time used a model sample for the Form EIA 826. A stratified random sample, employing auxiliary data, was used for each of the four previous years. The sample for the Form EIA 826 was designed to obtain estimates of electricity sales and average price of electricity to ultimate consumers at the State level by end use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those energy providers to ultimate consumers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

With the November 2004 issue of the EPM, EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM included July 2004 data as well as year-to-date. EIA's efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents' customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census.

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the Form EIA-860 or Form EIA-923. See the following link for a detailed explanation. http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

**Data processing and data system editing:** Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

**Imputation:** Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data, the regressor data for Schedule 1 Parts B and C is the prior month's data.

**Formulas and methodologies:** The Form EIA 826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA 861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both sales of electricity to ultimate customers and revenue from sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for January 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate the price of electricity to ultimate consumers at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates[1].

Some electric utilities provide service in more than one State. To facilitate the estimation, the State service area is actually used as the sampling unit. For each State served by each utility, there is a utility State part, or "State service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average price of electricity to ultimate consumers by end use sector at State, Census division, and national level. Estimation procedures include imputation to account for nonresponse. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

Average price of electricity to ultimate consumers represents the cost per unit of electricity sold and is calculated by dividing electric revenue from ultimate consumers by the corresponding sales of electricity. The average price of electricity to ultimate consumers is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average price of electricity to ultimate consumers is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric utility operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average price of electricity to ultimate consumers reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric utility to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service.

**Adjusting monthly data to annual data**: As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

**Sensitive data:** Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

## Form EIA-860

The Form EIA 860, "Annual Electric Generator Report," is a mandatory annual census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 10 year plans for constructing new plants, as well as generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental-related data are collected at the boiler level. These data include environmental equipment design parameters, boiler air emission standards, and boiler emission controls The Form EIA-860 is made available in January to collect data related to the previous year.

**Instrument and design history**: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

**Estimation of form eia-860 data**: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

**Prime Movers:** The Form EIA-860 sometimes represents a generator's prime mover by using the abbreviations in the table below.

| Prime Mover Code | Prime Mover Description |
|---|---|
| BA | Energy Storage, Battery |
| CE | Energy Storage, Compressed Air |
| CP | Energy Storage, Concentrated Solar Power |
| FW | Energy Storage, Flywheel |
| PS | Energy Storage, Reversible Hydraulic Turbine (Pumped Storage) |
| ES | Energy Storage, Other |
| ST | Steam Turbine, including nuclear, geothermal and solar steam (does not include combinedcycle) |
| GT | Combustion (Gas) Turbine (including jet engine design) |
| IC | Internal Combustion Engine (diesel, piston, reciprocating) |
| CA | Combined Cycle Steam Part |
| CT | Combined Cycle Combustion Turbine Part |
| CS | Combined Cycle Single Shaft |
| CC | Combined Cycle Total Unit |
| HA | Hydrokinetic, Axial Flow Turbine |
| HB | Hydrokinetic, Wave Buoy |
| HK | Hydrokinetic, Other |
| HY | Hydroelectric Turbine (including turbines associated with delivery of water bypipeline) |
| BT | Turbines Used in a Binary Cycle (including those used for geothermalapplications) |
| PV | Photovoltaic |
| WT | Wind Turbine, Onshore |
| WS | Wind Turbine, Offshore |
| FC | Fuel Cell |
| OT | Other |

**Energy Sources:** The Form EIA-860 sometimes represents the energy sources associated with generators by using the abbreviations and/or groupings in the table below.

| Energy Source Grouping | Energy Source Code | Energy Source Description |
|---|---|---|
| Coal | ANT | Anthracite Coal |
| | BIT | Bituminous Coal |
| | LIG | Lignite Coal |
| | SUB | Subbituminous Coal |
| | SGC | Coal-Derived Synthesis Gas |
| | WC | Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal) |
| Petroleum Products | DFO | Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils) |
| | JF | Jet Fuel |
| | KER | Kerosene |
| | PC | Petroleum Coke |
| | PG | Gaseous Propane |
| | RFO | Residual Fuel Oil (including No. 5, and No. 6 fuel oils, and bunker C fuel oil) |
| | SG | Synthesis Gas from Petroleum Coke |
| | WO | Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes) |
| Natural Gas and Other Gases | BFG | Blast Furnace Gas |
| | NG | Natural Gas |
| | OG | Other Gas |
| Nuclear | NUC | Nuclear (including Uranium, Plutonium, and Thorium) |
| Hydroelectric Conventional | WAT (Prime Mover = HY) | Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology |
| Hydroelectric Pumped Storage | WAT (Prime Mover = PS) | Pumping Energy for Reversible (Pumped Storage) Hydroelectric Turbine |
| Wood and Wood-Derived Fuels | WDS | Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids) |
| | WDL | Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids) |
| | BLQ | Black Liquor |
| Other Biomass | AB | Agricultural By-Products |
| | MSW | Municipal Solid Waste |
| | OBG | Other Biomass Gas (including digester gas, methane, and other biomass gases) |
| | OBL | Other Biomass Liquids |
| | OBS | Other Biomass Solids |
| | LFG | Landfill Gas |
| | SLW | Sludge Waste |
| Other Renewable Energy Sources | SUN | Solar (including solar thermal) |
| | WND | Wind |
| | GEO | Geothermal |
| Other Energy Sources | PUR | Purchased Steam |
| | WH | Waste heat not directly attributed to a fuel source |
| | TDF | Tire-Derived Fuels |
| | MWH | Electricity used for energy storage |

| | |
|---|---|
| OTH | Other |

**Sensitive data**: The tested heat rate data collected on the Form EIA-860 are considered business sensitive.

## Form EIA-860M

The Form EIA 860M, "Monthly Update to the Annual Electric Generator Report," is a mandatory monthly survey that collects data on the status of proposed new generators or changes to existing generators for plants that report on Form EIA-860.

The Form EIA-860M has a rolling frame based upon planned changes to capacity as reported on the previous Form EIA-860. Respondents are added to the frame 12 months prior to the expected effective date for all new units or expected retirement date for existing units. For all other types of capacity changes (including retirements, uprates, derates, repowering, or other modifications), respondents are added 1 month prior to the anticipated modification change date. Respondents are removed from the frame at the completion of the changes or if the change date is moved back so that the plant no longer qualifies to be in the frame. Typically, 150 to 200 utilities per month are required to report for 175 to 250 plants (including 250 to 400 generating units) on this form. The unit characteristics of interest are changes to the previously reported planned operating month and year, prime mover type, capacity, and energy sources.

**Instrument and design history:** The data collected on Form EIA-860M was originally collected via phone calls at the end of each month. During 2005, the Form EIA-860M was introduced as a mandatory form using the Internet Data Collection (IDC) system.

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

**Data processing and data system editing:** Approximately 150 to 200 utilities are requested to provide data each month on the Form EIA 860M. These data are collected via the IDC system and automatically checked for certain errors. Most of the quality assurance issues are addressed by the respondents as part of the automatic edit check process. In some cases, respondents are subsequently contacted about their explanatory overrides to the edit checks.

**Sensitive data:** Data collected on the Form EIA-860M are not considered to be sensitive.

## Form EIA-861

The Form EIA 861, "Annual Electric Power Industry Report," is a mandatory census of electric power industry participants in the United States. The survey is used to collect information on power sales and revenue data from approximately 3,300 respondents. About 3,200 are electric utilities and the remainder are nontraditional utilities such as energy service providers or the unregulated subsidiaries of electric utilities and power marketers.

**Instrument and design history:** The Form EIA 861 was implemented in January 1985 for collection of data as of year end 1984. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

**Data processing and data system editing:** The Form EIA 861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on line system. Internal edit checks are per-formed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA 861 and similar data reported on the Form EIA 826. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Data for the Form EIA 861 are collected at the owner level from all electric utilities including energy service providers in the United States, its territories, and Puerto Rico. Form EIA 861 data in this report are for the United States only.

Average price of electricity to ultimate consumers represents the cost per unit of electricity sold and is calculated by dividing electric revenue from ultimate consumers by the corresponding sales of electricity. The average price of electricity to ultimate consumers is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average price of electricity to ultimate consumers is the operating revenue reported by the electric power industry participant. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric power industry participant operating revenues also include State and Federal income taxes and other taxes paid by the utility.

The average price of electricity to ultimate consumers reported in this publication by sector represents a weighted average of consumer revenue and sales, and does not equal the per kWh rate charged by the electric power industry participant to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric power industry participant for providing electrical service.

**Sensitive data:** Data collected on the Form EIA-861 are not considered to be sensitive.

## Form EIA-923

Form EIA-923, “Power Plant Operations Report,” is a monthly collection of data on receipts and cost of fossil fuels, fuel stocks, generation, consumption of fuel for generation, and environmental data (e.g. emission controls and cooling systems). Data are collected from a monthly sample of approximately 1,900 plants, which includes a census of nuclear and pumped-storage hydroelectric plants. In addition approximately 4,050 plants, representing all other generators 1 MW or greater, are collected annually. In addition to electric power generating plants, respondents include fuel storage terminals without

generating capacity that receive shipments of fossil fuels for eventual use in electric power generation. The monthly data are due by the last day of the month following the reporting period.

Receipts of fossil fuels, fuel cost and quality information, and fuel stocks at the end of the reporting period are all reported at the plant level. Plants that burn organic fuels and have a steam turbine capacity of at least 10 megawatts report consumption at the boiler level and generation at the generator level. For all other plants, consumption is reported at the prime-mover level. For these plants, generation is reported either at the prime-mover level or, for noncombustible sources (e.g. wind, nuclear), at the prime-mover and energy source level. The source and disposition of electricity is reported annually for nonutilities at the plant level as is revenue from sales for resale. Environmental data are collected annually from facilities that have a steam turbine capacity of at least 10 megawatts.

**Instrument and design history:**

*Receipts and cost and quality of fossil fuels*
On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate- capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see above) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing non-regulated power producers. Its design closely followed that of the FERC Form 423.

Both the Form EIA-423 and FERC Form 423 were superseded by Schedule 2 of the Form EIA-923 in January of 2008. At the time, the Form EIA-923 maintained the 50-megawatt threshold for these data. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self- produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts.

Not all data are collected monthly on the Form EIA-923. Beginning with 2008 data, a sample of the respondents report monthly, with the remainder reporting annually. Until January 2013, monthly fuel receipts values for the annual surveys were imputed via regression. Prior to 2008, Schedule 2 annual data were not collected or imputed.

*Generation, consumption, and stocks*

The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities14. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data15. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Forms EIA-906 and EIA-920 were superseded by survey Form EIA-923 beginning in January 2008 with the collection of annual 2007 data and monthly 2008 data.

**Data processing and data system editing**: Respondents are encouraged to enter data directly into a computerized database via the Internet Data Collection (IDC) system. A variety of automated quality control mechanisms are run during this process, such as range checks and comparisons with historical data. These edit checks are performed as the data are provided, and many problems that are encountered are resolved during the reporting process. Those plants that are unable to use the electronic reporting medium provide the data in hard copy, typically via fax. These data are manually entered into the computerized database. The data are subjected to the same edits as those that are electronically submitted.

If the reported data appear to be in error and the data issue cannot be resolved by follow up contact with the respondent, or if a facility is a nonrespondent, a regression methodology is used to impute for the facility. Beginning in January 2013, imputation is not performed for fuel receipts data reported on Schedule 2.

**Imputation:** For select survey data elements collected monthly, regression prediction, or imputation, is done for missing data, including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel

consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

When gross generation is reported and net generation is not available, net generation is estimated by using a fixed ratio to gross generation by prime-mover type and installed environmental equipment. These ratios are:

| Net Generation = (Factor) x Gross Generation |
|---|
| |
| Prime Movers: |
| Combined Cycle Steam - 0.97 |
| Combined Cycle Single Shaft - 0.97 |
| Combined Cycle Combustion Turbine - 0.97 |
| Compressed Air - 0.97 |
| Fuel Cell - 0.99 |
| Gas Turbine - 0.98 |
| Hydroelectric Turbine - 0.99 |
| Hydroelectric Pumped Storage - 0.99 |
| Internal Combustion Engine - 0.98 |
| Other - 0.97 |
| Photovoltaic - 0.99 |
| Steam Turbine - 0.97 |
| Wind Turbine - 0.99 |
| |
| Environmental Equipment: |
| Flue Gas Desulfurization - 0.97 |
| Flue Gas Particulate 0.99 |
| All Others - 0.97 |

For stocks, a linear combination of the prior month's ending stocks value and the current month's consumption and receipts values are used.

**Receipts of fossil fuels:** Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers. All plants with a total fossil-fueled nameplate capacity of 50 megawatts or more (excluding storage terminals, which do not produce electricity) were required to report receipts of fossil fuels. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The data on cost and quality of fuel shipments are used to produce aggregates and weighted averages for each fuel type at the state, Census division, and U.S. levels.

For coal, units for receipts are in tons and units for average heat contents (A) are in million Btu per ton. For petroleum, units for receipts are in barrels and units for average heat contents (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf) and units for average heat contents (A) are in million Btu per thousand cubic foot.

**Power production, fuel stocks, and fuel consumption data:** The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906.

In January 2008, Form EIA-923 superseded both the Forms EIA-906 and EIA-920 for the collection of these data.

**Methodology to estimate biogenic and non-biogenic municipal solid waste[2]:** Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology (see Table 1):

The tonnage of MSW consumed is reported on the Form EIA-923. The composition of MSW and categorization of the components were obtained from the U.S. Environmental Protection Agency (USEPA). For data years 2001 through 2009, the MSW composition was based on the USEPA annual publication, *Municipal Solid Waste in the United States: Facts and Figures*. The compositions developed for the 2009 data year were carried forward for the 2010 through 2018 data years. The most updated composition and categorization of MSW (for the 2019 data year) were also derived from a USEPA publication: *Advancing Sustainable Materials Management: Facts and Figures Report: 2015 Data Tables*. The updated composition values were applied in the October EPM 2019 on the preliminary 2019 values and will be applied going forward in future data years until EIA revises the MSW composition ratios again. The Btu contents of the components of MSW were obtained from various sources.

The numbers in Tables 1 and 2 illustrate two interrelated trends in the composition of the MSW stream. First, the heat content (per unit weight) of the waste stream has been steadily increasing

over time due to higher concentrations of non-biogenic materials. Second, the shares of energy contributed to the waste stream by biogenic and non-biogenic components have been changing over time with the percentage of biogenic materials falling and the share of non-biogenic materials rising.

The potential quantities of combustible MSW discards (which include all MSW material available for combustion with energy recovery, discards to landfill, and other disposal) were multiplied by their respective Btu contents. The EPA-based categories of MSW were then classified into renewable and non-renewable groupings. From this, EIA calculated how much of the energy potentially consumed from MSW was attributed to biogenic components and how much was attributed to non-biogenic components (see Tables 1 and 2, below). [3]

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-

biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

**Table 1. Btu consumption for biogenic and non-biogenic municipal solid waste (percent)**

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | … | 2018 | 2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Biogenic | 57 | 56 | 55 | 55 | 56 | 57 | 55 | 54 | 51 | 51 | 51 | 45 |
| Non-biogenic | 43 | 44 | 45 | 45 | 44 | 43 | 46 | 46 | 49 | 49 | 49 | 55 |

**Table 2. Tonnage consumption for biogenic and non-biogenic municipal solid waste (percent)**

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | … | 2018 | 2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Biogenic | 77 | 77 | 76 | 76 | 75 | 67 | 65 | 65 | 64 | 64 | 64 | 61 |
| Non-biogenic | 23 | 23 | 24 | 24 | 25 | 34 | 35 | 35 | 36 | 36 | 36 | 39 |

**Useful thermal output:** With the implementation of the Form EIA-923, "Power Plant Operations Report," in 2008, combined heat and power (CHP) plants are required to report total fuel consumed and electric power generation. Beginning with the January 2008 data, EIA will estimate the allocation of the total fuel consumed at CHP plants between electric power generation and useful thermal output.

First, an efficiency factor is determined for each plant and prime mover type. Based on data for electric power generation and useful thermal output collected in 2003 (on Form EIA-906, "Power Plant Report") efficiency was calculated for each prime mover type at a plant. The efficiency factor is the total output in Btu, including electric power and useful thermal output (UTO), divided by the total input in Btu. Electric power is converted to Btu at 3,412 Btu per kilowatthour.

Second, to calculate the amount of fuel for electric power, the gross generation in Btu is multiplied by the efficiency factor. The fuel for UTO is the difference between the total fuel reported and the fuel for electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

In addition, if the total fuel reported is less than the estimated fuel for electric power generation, then the fuel for electric power generation is equal to the total fuel consumed, and the UTO will be zero.

**Conversion of petroleum coke to liquid petroleum:** The quantity conversion is 5 barrels (of 42 U.S. gallons each) per short ton (2,000 pounds).

**Conversion of propane gas to liquid petroleum:** The quantity conversion is 1.53 Mcf (thousand cubic feet) per barrel (or 42 U.S. gallons each).

**Conversion of synthesis gas from coal to coal:** The quantity conversion is 98 Mcf (thousand cubic feet) per short ton (2,000 pounds).

**Conversion of synthesis gas from petroleum coke to petroleum coke:** The quantity conversion is 107.42 Mcf (thousand cubic feet) per short ton (2,000 pounds).

**Issues within historical data series:**

*Receipts and cost and quality of fossil fuels*
Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data. In January 2013, this estimation procedure was dropped.

Prior to 2008, regulated plants reported receipts data on the FERC Form 423. These plants, along with unregulated plants, now report receipts data on Schedule 2 of Form EIA-923. Because FERC issued waivers to the FERC Form 423 filing requirements to some plants who met certain criteria, and because not all types of generators were required to report (only steam turbines and combined-cycle units reported), a significant number of plants either did not submit fossil fuel receipts data or submitted only a portion of their fossil fuel receipts. Since Form EIA-923 does not have exemptions based on generator type or reporting waivers, receipts data from 2008 and later cannot be directly compared to previous years' data for the regulated sector. Furthermore, there may be a notable increase in fuel receipts beginning with January 2008 data.

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the Form EIA-423 was created to help fill that gap. As a further improvement, estimation of all receipts for the universe normally depicted in the EPM (i.e., 1 megawatt and above), with associated relative standard errors, provides a more complete assessment of the market.

*Generation and consumption*
Beginning in 2008, a new method of allocating fuel consumption between electric power generation and useful thermal output (UTO) was implemented. This new methodology evenly distributes a combined heat and power (CHP) plant's losses between the two output products (electric power and UTO). In the historical data, UTO was consistently assumed to be 80 percent efficient and all other losses at the plant were allocated to electric power. This change causes the fuel for electric power to be decreased while the fuel for UTO is increased as both are given the same efficiency. This results in the appearance of an increase in efficiency of production of electric power between periods.

**Sensitive data:** Most of the data collected on the Form EIA-923 are not considered business sensitive. However, the cost of fuel delivered to nonutilities, commodity cost of fossil fuels, and reported fuel stocks at the end of the reporting period are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

## Average Capacity Factors

This section describes the methodology for calculating capacity factors by fuel and technology type for operating electric power plants. Capacity factor is a measure (expressed as a percent) of how often an electric generator operates over a specific period of time, using a ratio of the actual output to the maximum possible output over that time period.

The capacity factor calculation only includes operating electric generators in the Electric Power Sector (sectors 1, 2 and 3) using the net generation reported on the Form EIA-923 and the net summer capacity reported on the Form EIA-860. The capacity factor for a particular fuel/technology type is given by:

$$CapacityFactor = \left( \frac{\Upsilon_{x,m} \sum Generation_{x,m}}{\sum_{x,m} Capacity_{x,m} * AvailableTime_{x,m}} \right)$$

Where x represents generators of that fuel/technology combination and m represents the period of time (month or year). Generation and capacity are specific to a generator, and the generator is categorized by its primary fuel type as reported on the EIA-860. All generation from that generator is included, regardless of other fuels consumed. Available time is also specific to the generator in order to account for differing online and retirement dates. Therefore, these published capacity factors will differ from a simple calculation using annual generation and capacity totals from the appropriate tables in this publication.

## NERC classification

The Florida Reliability Coordinating Council (FRCC) separated itself from the Southeastern Electric Reliability Council (SERC) in the mid-1990s. In 1998, several utilities realigned from Southwest Power Pool (SPP) to SERC. Name changes altered both the Mid-Continent Area Power Pool (MAPP) to the Midwest Reliability Organization (MRO) and the Western Systems Coordinating Council (WSCC) to the Western Energy Coordinating Council (WECC). The MRO membership boundaries have altered over time, but WECC membership boundaries have not. The utilities in the associated regional entity identified as the Alaska System Coordination Council (ASCC) dropped their formal participation in NERC. Both the States of Alaska and Hawaii are not contiguous with the other continental States and have no electrical interconnections. At the close of calendar year 2005, the following reliability regional councils were dissolved: East Central Area Reliability Coordinating Agreement (ECAR), Mid-Atlantic Area Council (MAAC), and Mid-America Interconnected Network (MAIN).

On January 1, 2006, the ReliabilityFirst Corporation (RFC) came into existence as a new regional reliability council. Individual utility membership in the former ECAR, MAAC, and MAIN councils mostly shifted to RFC. However, adjustments in membership as utilities joined or left various reliability councils impacted MRO, SERC, and SPP. The Texas Regional Entity (TRE) was formed from a delegation of authority from NERC to handle the regional responsibilities of the Electric Reliability Council of Texas (ERCOT). The revised delegation agreements covering all the regions were approved by the Federal Energy Regulatory Commission on March 21, 2008. Reliability Councils that are unchanged include: Florida Reliability Coordinating Council (FRCC), Northeast Power Coordinating Council (NPCC), and the Western Energy Coordinating Council (WECC

The new NERC Regional Council names are as follows:

- Florida Reliability Coordinating Council (FRCC),
- Midwest Reliability Organization (MRO),
- Northeast Power Coordinating Council (NPCC),
- ReliabilityFirst Corporation (RFC),
- Southeastern Electric Reliability Council (SERC),
- Southwest Power Pool (SPP),
- Texas Regional Entity (TRE), and
- Western Energy Coordinating Council (WECC).

## Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

**Agriculture, Forestry, and Fishing**

111 Agriculture production-crops
112 Agriculture production, livestock and animal specialties
113 Forestry
114 Fishing, hunting, and trapping
115 Agricultural services

**Mining**

211 Oil and gas extraction
2121 Coal mining
2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

**Construction**

23

**Manufacturing**

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

**Transportation and Public Utilities**

22 Electric, gas, and sanitary services
2212 Natural gas transmission
2213 Water supply
22131 Irrigation systems
22132 Sewerage systems
481 Transportation by air
482 Railroad transportation
483 Water transportation
484 Motor freight transportation and warehousing
485 Local and suburban transit and interurban highway passenger transport
486 Pipelines, except natural gas
487 Transportation services
491 United States Postal Service
513 Communications
562212 Refuse systems

**Wholesale Trade**

421 to 422

**Retail Trade**

441 to 454

**Finance, Insurance, and Real Estate**

521 to 533

**Services**

512 Motion pictures
514 Business services
514199 Miscellaneous services
541 Legal services
561 Engineering, accounting, research, management, and related services
611 Education services
622 Health services
624 Social services
712 Museums, art galleries, and botanical and zoological gardens
713 Amusement and recreation services
721 Hotels
811 Miscellaneous repair services
8111 Automotive repair, services, and parking
812 Personal services
813 Membership organizations
814 Private households

**Public Administration**

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## Multiple Survey Programs- Small Scale PV Solar Estimation of Generation

Monthly generation from small scale PV solar resources is an estimation of the generation produced from PV solar resources and not the results of a data collection effort for generation directly, with the exception of "Third Party Owned" or (TPO) solar installations which has direct data collection. TPO data however is not comprehensive. TPOs do not operate in every state, TPO collected data is not a large portion of the estimated amount, and the data has been collected for limited period of time. The generation estimate is based on data collected for PV solar capacity.

Capacity of PV solar resources is collected directly from respondents. These data are collected on several EIA forms and from several types of respondents. Monthly data for net-metered PV solar capacity is reported on the Form EIA-826. Form EIA-826 is a cutoff sample drawn from the annual survey Form EIA-861 which collects this data from all respondents. Using data from both of these surveys we have a regression model to impute for the non-sampled monthly capacity.

The survey instruments collect solar net metering capacity from reporting utilities by state and customer class. There are four customer classes: residential, commercial, industrial and transportation. However, the estimation process included only the residential, commercial and industrial customers.[1] Data for these customer classes were further classified by U.S. Census Regions, to ensure adequate number of customer observations in for each estimation group.

**Estimation Model:** The total PV capacity reported by utilities in the annual EIA-861 survey is the single primary input (regressor) to the monthly estimation of PV capacity by state. The model tested for each Census Region was of the form:

$$y_{i_{2015,m}} = \beta_1 x_i \quad + w_i^{-1/2} e_i \text{ , where}$$

$x_{i_{2013}}$ is the i[th] utility's 2013 (or the last published year) solar PV capacity

$y_{i_{2015,m}}$ is the i[th] utility's month m, 2015 (or the current year) reported solar PV capacity

$w_i$ is the weight factor, which is the inverse of $x_{2013}$

$\beta_1$ is effectively the growth rate of reported month m solar PV capacity

$e_i$ is the error term

The model checks for outliers and removes them from the regression equation inputs. The model calculates RSEs by sector, state, census region, and US total. Once we have imputed for all of the

monthly net-metered PV solar capacity we add to total net metered capacity, the PV solar capacity collected on the Form EIA-861 for distributed and dispersed resources that are not net metered.

We use a second model to estimate the generation using this capacity as an input. The original methodology was developed for the "Annual Energy Outlook" based on our "NEMS" modelled projections several years ago. The original method underwent a calibration project designed to develop PV production levels for the NEMS projections consistent with simulations of a National Renewable Energy Laboratory model called PVWatts, which is itself embedded in PC software under the umbrella of the NREL's System Advisor Model (SAM).

The PVWatts simulations require, panel azimuth orientations and tilts, something that the NEMS projections do not include. Call the combinations of azimuths and tilts "orientations." The orientation and solar insolation (specific to a location) have a direct effect on the PV production level. The calibration project selected the 100 largest population Metropolitan Statistical Areas (MSAs) and relied on weights derived from orientation data from California Solar Initiative dataset to develop typical outputs for each of the 100 MSAs. It then was expanded from an annual estimate to a monthly estimate. A listing of the MSAs are included in Appendix 1.

Using Form EIA-861 data for service territories, which lists the counties that each electric distribution company (EDC) provides service, and NREL solar insolation data by county a simple average of insolation values by EDC is calculated.

Using the estimation model, we produce by utility, by state and by sector an estimate of generation. All the utilities'' capacity and generation estimates are summed by state and sector and a KWh/KW rate by state and sector is calculated.

Capacity from the Form EIA-860 that is net metered is subtracted from the total capacity by state and sector as well as the capacity reported on the EIA-826 from TPOs, resulting in a new "net" capacity amount. This capacity amount is multiplied by the KWh/KW rate to produce the non-TPO generation estimate and then it is added to the TPO reported sales to ultimate customers from the EIA-826 to obtain a final estimate for generation and a blended KWh/KW rate is calculated. The estimate for generation is aggregated by US census regions and US totals. The RSEs for capacity are checked for level of error and if they pass, the summary data by state, U.S. census region and U.S. total are reported in the EPM.

Appendix 2 contains a flow diagram of the data inputs, data quality control checks and data analysis required to perform this estimation.

# Appendix 1- MSAs

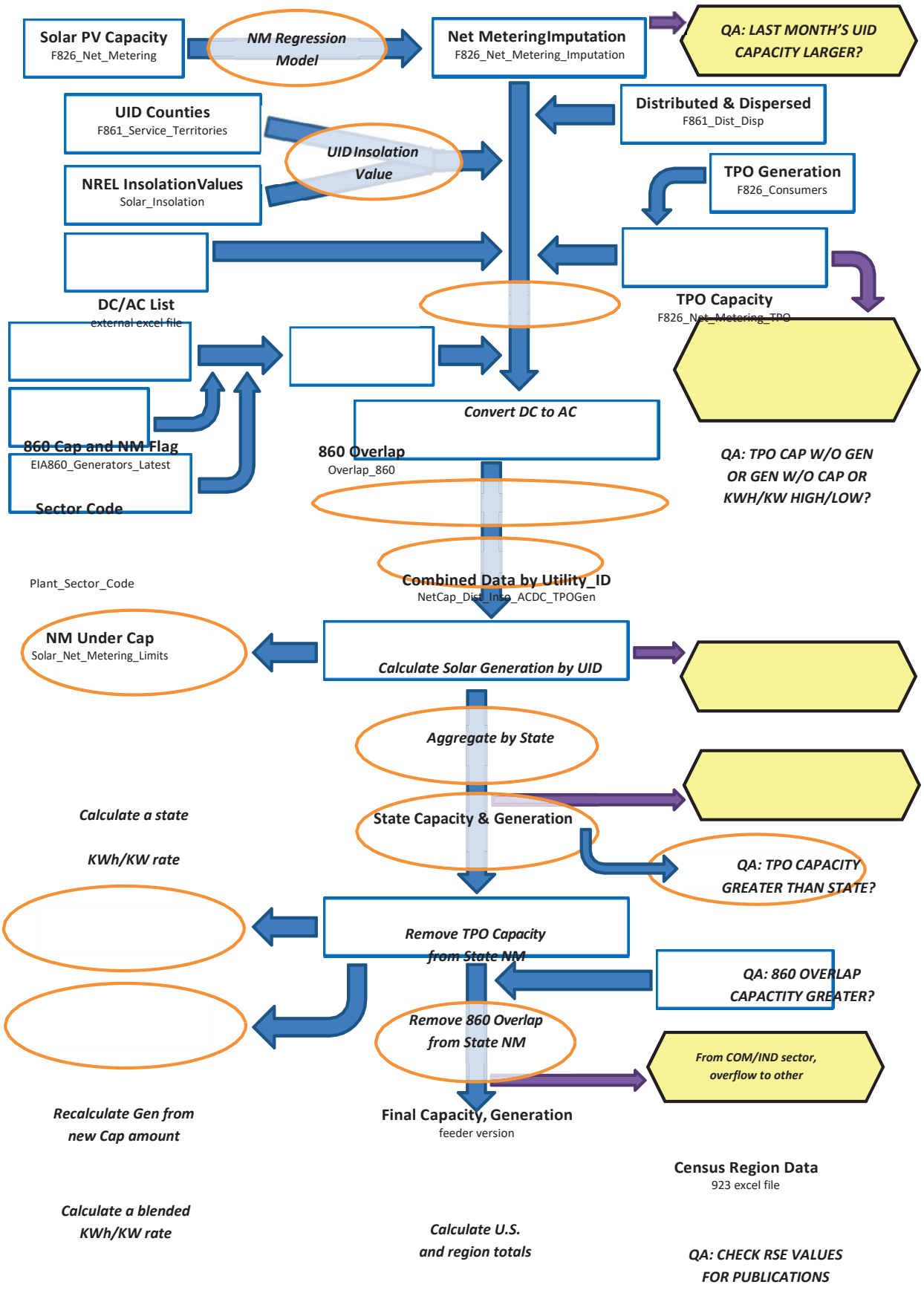
## TMY3 (1991-2005) Weather Stations by MSA

| Site | Weather Location | MSA |
|---|---|---|
| 1 | USA NY New York Central Park Obs. | New York-Newark-Jersey City, NY-NJ-PA MSA |
| 2 | USA CA Los Angeles Intl Airport | Los Angeles-Long Beach-Anaheim, CA MSA |
| 3 | USA IL Chicago Midway Airport | Chicago-Naperville-Elgin, IL-IN-WI MSA |
| 4 | USA TX Dallas-fort Worth Intl Airport | Dallas-Fort Worth-Arlington, TX MSA |
| 5 | USA TX Houston Bush Intercontinental | Houston-The Woodlands-Sugar Land, TX MSA |
| 6 | USA PA Philadelphia Int'l Airport | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD MSA |
| 7 | USA VA Washington Dc Reagan Airport | Washington-Arlington-Alexandria, DC-VA-MD-WV MSA |
| 8 | USA FL Miami Intl Airport | Miami-Fort Lauderdale-West Palm Beach, FL MSA |
| 9 | USA GA Atlanta Hartsfield Intl Airport | Atlanta-Sandy Springs-Roswell, GA MSA |
| 10 | USA MA Boston Logan Int'l Airport | Boston-Cambridge-Newton, MA-NH MSA |
| 11 | USA CA San Francisco Intl Airport | San Francisco–Oakland–Hayward, CA MSA |
| 12 | USA AZ Phoenix Sky Harbor Intl Airport | Phoenix-Mesa-Scottsdale, AZ MSA |
| 13 | USA CA Riverside Municipal Airport | Riverside-San Bernardino-Ontario, CA MSA |
| 14 | USA MI Detroit City Airport | Detroit-Warren-Dearborn, MI MSA |
| 15 | USA WA Seattle Seattle-Tacoma Intl Airport | Seattle-Tacoma-Bellevue, WA MSA |
| 16 | USA MN Minneapolis-St. Paul Int'l Arp | Minneapolis-St. Paul-Bloomington, MN-WI MSA |
| 17 | USA CA San Diego Lindbergh Field | San Diego-Carlsbad, CA MSA |
| 18 | USA FL Tampa Int'l Airport | Tampa-St. Petersburg-Clearwater, FL MSA |
| 19 | USA MO St Louis Lambert Int'l Airport | St. Louis, MO-IL MSA |
| 20 | USA MD Baltimore-Washington Int'l Airport | Baltimore-Columbia-Towson, MD MSA |
| 21 | USA CO Denver Centennial [Golden - NREL] | Denver-Aurora-Lakewood, CO MSA |
| 22 | USA PA Pittsburgh Allegheny Co Airport | Pittsburgh, PA MSA |
| 23 | USA NC Charlotte Douglas Intl Airport | Charlotte-Concord-Gastonia, NC-SC MSA |
| 24 | USA OR Portland Hillsboro | Portland-Vancouver-Hillsboro, OR-WA MSA |
| 25 | USA TX San Antonio Intl Airport | San Antonio-New Braunfels, TX MSA |
| 26 | USA FL Orlando Intl Airport | Orlando-Kissimmee-Sanford, FL MSA |
| 27 | USA CA Sacramento Executive Airport | Sacramento–Roseville–Arden-Arcade, CA MSA |
| 28 | USA OH Cincinnati Municipal Airport | Cincinnati, OH-KY-IN MSA |
| 29 | USA OH Cleveland Hopkins Intl Airport | Cleveland-Elyria, OH MSA |
| 30 | USA MO Kansas City Int'l Airport | Kansas City, MO-KS MSA |
| 31 | USA NV Las Vegas McCarran Intl Airport | Las Vegas-Henderson-Paradise, NV MSA |
| 32 | USA OH Columbus Port Columbus Intl A | Columbus, OH MSA |
| 33 | USA IN Indianapolis Intl Airport | Indianapolis-Carmel-Anderson, IN MSA |
| 34 | USA CA San Jose Intl Airport | San Jose-Sunnyvale-Santa Clara, CA MSA |
| 35 | USA TX Austin Mueller Municipal Airport | Austin-Round Rock, TX MSA |
| 36 | USA TN Nashville Int'l Airport | Nashville-Davidson–Murfreesboro–Franklin, TN MSA |

| | | |
|---|---|---|
| 37 | USA VA Norfolk Int'l Airport | Virginia Beach-Norfolk-Newport News, VA-NC MSA |
| 38 | USA RI Providence T F Green State | Providence-Warwick, RI-MA MSA |
| 39 | USA WI Milwaukee Mitchell Intl Airport | Milwaukee-Waukesha-West Allis, WI MSA |
| 40 | USA FL Jacksonville Craig | Jacksonville, FL MSA |
| 41 | USA TN Memphis Int'l Airport | Memphis, TN-MS-AR MSA |
| 42 | USA OK Oklahoma City Will Rogers | Oklahoma City, OK MSA |
| 43 | USA KY Louisville Bowman Field | Louisville/Jefferson County, KY-IN MSA |
| 44 | USA VA Richmond Int'l Airport | Richmond, VA MSA |
| 45 | USA LA New Orleans Alvin Callender | New Orleans-Metairie, LA MSA |
| 46 | USA CT Hartford Bradley Intl Airport | Hartford-West Hartford-East Hartford, CT MSA |
| 47 | USA NC Raleigh Durham Int'l | Raleigh, NC MSA |
| 48 | USA UT Salt Lake City Int'l Airport | Salt Lake City, UT MSA |
| 49 | USA AL Birmingham Municipal Airport | Birmingham-Hoover, AL MSA |
| 50 | USA NY Buffalo Niagara Intl Airport | Buffalo-Cheektowaga-Niagara Falls, NY MSA |
| 51 | USA NY Rochester Greater Rochester | Rochester, NY MSA |
| 52 | USA MI Grand Rapids Kent County Int'l Airport | Grand Rapids-Wyoming, MI MSA |
| 53 | USA AZ Tucson Int'l Airport | Tucson, AZ MSA |
| 54 | USA HI Honolulu Intl Airport | Urban Honolulu, HI MSA |
| 55 | USA OK Tulsa Int'l Airport | Tulsa, OK MSA |
| 56 | USA CA Fresno Yosemite Intl Airport | Fresno, CA MSA |
| 57 | USA CT Bridgeport Sikorsky Memorial | Bridgeport-Stamford-Norwalk, CT MSA |
| 58 | USA MA Worchester Regional Airport | Worcester, MA-CT MSA |
| 59 | USA NM Albuquerque Intl Airport | Albuquerque, NM MSA |
| 60 | USA NE Omaha Eppley Airfield | Omaha-Council Bluffs, NE-IA MSA |
| 61 | USA NY Albany County Airport | Albany-Schenectady-Troy, NY MSA |
| 62 | USA CA Bakersfield Meadows Field | Bakersfield, CA MSA |
| 63 | USA CT New Haven Tweed Airport | New Haven-Milford, CT MSA |
| 64 | USA TN Knoxville McGhee Tyson Airport | Knoxville, TN MSA |
| 65 | USA SC Greenville Downtown Airport | Greenville-Anderson-Mauldin, SC MSA |
| 66 | USA CA Oxnard Airport | Oxnard-Thousand Oaks-Ventura, CA MSA |
| 67 | USA TX El Paso Int'l Airport | El Paso, TX MSA |
| 68 | USA PA Allentown Lehigh Valley Intl | Allentown-Bethlehem-Easton, PA-NJ MSA |
| 69 | USA LA Baton Rouge Ryan Airport | Baton Rouge, LA MSA |
| 70 | USA TX McCallen Miller Intl Airport | McAllen-Edinburg-Mission, TX MSA |
| 71 | USA OH Dayton Int'l Airport | Dayton, OH MSA |
| 72 | USA SC Columbia Metro Airport | Columbia, SC MSA |
| 73 | USA NC Greensboro Piedmont Triad Int'l Airport | Greensboro-High Point, NC MSA |
| 74 | USA FL Sarasota Bradenton | North Port-Sarasota-Bradenton, FL MSA |
| 75 | USA AR Little Rock Adams Field | Little Rock-North Little Rock-Conway, AR MSA |
| 76 | USA SC Charleston Intl Airport | Charleston-North Charleston, SC MSA |
| 77 | USA OH Akron Akron-canton Reg. Airport | Akron, OH MSA |
| 78 | USA CA Stockton Metropolitan Airport | Stockton-Lodi, CA MSA |

| | | |
|---|---|---|
| 79 | USA CO Colorado Springs Muni Airport | Colorado Springs, CO MSA |
| 80 | USA NY Syracuse Hancock Int'l Airport | Syracuse, NY MSA |
| 81 | USA FL Fort Myers Page Field | Cape Coral-Fort Myers, FL MSA |
| 82 | USA NC Winston-Salem Reynolds Airport | Winston-Salem, NC MSA |
| 83 | USA ID Boise Air Terminal | Boise City, ID MSA |
| 84 | USA KS Wichita Mid-continent Airport | Wichita, KS MSA |
| 85 | USA WI Madison Dane Co Regional Airport | Madison, WI MSA |
| 86 | USA MA Worchester Regional Airport | Springfield, MA MSA |
| 87 | USA FL Lakeland Linder Regional Airport | Lakeland-Winter Haven, FL MSA |
| 88 | USA UT Ogden Hinkley Airport | Ogden-Clearfield, UT MSA |
| 89 | USA OH Toledo Express Airport | Toledo, OH MSA |
| 90 | USA FL Daytona Beach Intl Airport | Deltona-Daytona Beach-Ormond Beach, FL MSA |
| 91 | USA IA Des Moines Intl Airport | Des Moines-West Des Moines, IA MSA |
| 92 | USA GA Augusta Bush Field | Augusta-Richmond County, GA-SC MSA |
| 93 | USA MS Jackson Int'l Airport | Jackson, MS MSA |
| 94 | USA UT Provo Muni | Provo-Orem, UT MSA |
| 95 | USA PA Wilkes-Barre Scranton Intl Airport | Scranton–Wilkes-Barre–Hazleton, PA MSA |
| 96 | USA PA Harrisburg Capital City Airport | Harrisburg-Carlisle, PA MSA |
| 97 | USA OH Youngstown Regional Airport | Youngstown-Warren-Boardman, OH-PA MSA |
| 98 | USA FL Melbourne Regional Airport | Palm Bay-Melbourne-Titusville, FL MSA |
| 99 | USA TN Chattanooga Lovell Field Airport | Chattanooga, TN-GA MSA |
| 100 | USA WA Spokane Int'l Airport | Spokane-Spokane Valley, WA MSA |

# Appendix 2 – Flow diagram of data sources and analysis



[1] The basic technique employed is described in the paper "Model-Based Sampling and Inference," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). See the following sources: Knaub, J.R., Jr. (1999a), "Using Prediction-Oriented Software for Survey Estimation," InterStat, October 1999, http://interstat.statjournals.net/; Knaub, J.R. Jr. (1999b), "Model-Based Sampling, Inference and Imputation," EIA web site: http://www.eia.gov/cneaf/electricity/forms/eiawebme.pdf; Knaub, J.R., Jr. (2005), "Classical Ratio Estimator," InterStat, October 2005, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2007a), "Cutoff Sampling and Inference," InterStat, April 2007, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2008), "Cutoff Sampling." Definition in Encyclopedia of Survey Research Methods, Editor: Paul J. Lavrakas, Sage, to appear; Knaub, J.R., Jr. (2000), "Using Prediction-Oriented Software for Survey Estimation - Part II: Ratios of Totals," InterStat, June 2000, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2001), "Using Prediction-Oriented Software for Survey Estimation - Part III: Full-Scale Study of Variance and Bias," InterStat, June 2001, http://interstat.statjournals.net/.

[2] See the following sources: Bahillo, A. et al. Journal of Energy Resources Technology, "NOx and N2O Emissions during Fluidized Bed Combustion of Leather Wastes." Volume 128, Issue 2, June 2006. pp. 99-103; U.S. Energy Information Administration. *Renewable Energy Annual 2004*. "Average Heat Content of Selected Biomass Fuels." Washington, DC, 2005; Penn State Agricultural College Agricultural and Biological Engineering and Council for Solid Waste Solutions. Garth, J. and Kowal, P. Resource Recovery, Turning Waste into Energy, University Park, PA, 1993; Utah State University Recycling Center Frequently Asked Questions. Published at http://www.usu.edu/recycle/faq.htm. Accessed December 2006.

[3] Biogenic components include newsprint, paper, containers and packaging, leather, textiles, yard trimmings, food wastes, and wood. Non-biogenic components include plastics, rubber and other miscellaneous non-biogenic waste.

## Table C.1 Average Heat Content of Fossil-Fuel Receipts, July 2020

| Census Division and State | Coal (Million Btu per Ton) | Petroleum Liquids (Million Btu per Barrel) | Petroleum Coke (Million Btu per Ton) | Natural Gas (Million Btu per Thousand Cubic Feet) |
|---|---|---|---|---|
| New England | 20.60 | 6.12 | -- | 1.03 |
| Connecticut | -- | -- | -- | 1.03 |
| Maine | 20.60 | 6.25 | -- | 1.03 |
| Massachusetts | -- | 5.81 | -- | 1.03 |
| New Hampshire | -- | -- | -- | 1.03 |
| Rhode Island | -- | -- | -- | 1.03 |
| Vermont | -- | -- | -- | -- |
| Middle Atlantic | 20.44 | 5.94 | -- | 1.03 |
| New Jersey | 25.84 | -- | -- | 1.03 |
| New York | -- | 6.40 | -- | 1.03 |
| Pennsylvania | 20.17 | 5.93 | -- | 1.04 |
| East North Central | 20.56 | 5.73 | 27.10 | 1.05 |
| Illinois | 17.82 | 5.80 | -- | 1.02 |
| Indiana | 22.38 | 5.75 | -- | 1.05 |
| Michigan | 19.14 | 5.82 | 27.13 | 1.05 |
| Ohio | 25.03 | 5.62 | -- | 1.06 |
| Wisconsin | 18.05 | 5.88 | 26.50 | 1.02 |
| West North Central | 16.48 | 5.77 | 27.33 | 1.05 |
| Iowa | 17.72 | 5.76 | 27.33 | 1.08 |
| Kansas | 17.10 | 5.72 | -- | 1.01 |
| Minnesota | 17.75 | 5.86 | -- | 1.08 |
| Missouri | 17.81 | 5.77 | -- | 1.02 |
| Nebraska | 17.11 | -- | -- | 1.05 |
| North Dakota | 13.03 | 5.71 | -- | 1.00 |
| South Dakota | 16.57 | -- | -- | -- |
| South Atlantic | 24.24 | 5.84 | 28.14 | 1.03 |
| Delaware | -- | 5.82 | -- | 1.03 |
| District of Columbia | -- | -- | -- | -- |
| Florida | 23.36 | 5.81 | 28.14 | 1.02 |
| Georgia | 19.70 | 5.89 | -- | 1.03 |
| Maryland | 25.14 | 5.76 | -- | 1.04 |
| North Carolina | 25.04 | 5.81 | -- | 1.03 |
| South Carolina | 25.16 | 5.79 | -- | 1.03 |
| Virginia | 18.90 | 5.93 | -- | 1.04 |
| West Virginia | 25.32 | 5.83 | -- | 1.07 |
| East South Central | 20.60 | 5.78 | -- | 1.03 |
| Alabama | 18.61 | 5.50 | -- | 1.03 |
| Kentucky | 22.64 | 5.83 | -- | 1.04 |
| Mississippi | 13.07 | 5.85 | -- | 1.02 |
| Tennessee | 22.81 | 5.76 | -- | 1.00 |
| West South Central | 15.96 | 5.87 | 28.45 | 1.02 |
| Arkansas | 17.66 | 5.89 | -- | 1.02 |
| Louisiana | 16.71 | -- | 28.45 | 1.03 |
| Oklahoma | 17.13 | -- | -- | 1.03 |
| Texas | 15.47 | 5.82 | -- | 1.02 |
| Mountain | 18.95 | 5.78 | -- | 1.03 |
| Arizona | 18.03 | 5.64 | -- | 1.02 |
| Colorado | 19.50 | -- | -- | 1.09 |
| Idaho | -- | -- | -- | 1.00 |
| Montana | 17.05 | 5.92 | -- | 1.04 |
| Nevada | 20.77 | 5.83 | -- | 1.03 |
| New Mexico | 18.40 | 5.66 | -- | 1.02 |
| Utah | 21.67 | 5.88 | -- | 1.03 |
| Wyoming | 18.10 | 5.81 | -- | 1.04 |
| Pacific Contiguous | 18.40 | 6.00 | -- | 1.03 |
| California | 22.62 | -- | -- | 1.02 |
| Oregon | -- | -- | -- | 1.04 |
| Washington | 17.19 | 6.00 | -- | 1.09 |
| Pacific Noncontiguous | 18.51 | 6.13 | -- | 1.00 |
| Alaska | 13.89 | 5.60 | -- | 1.00 |
| Hawaii | 19.75 | 6.13 | -- | -- |
| U.S. Total | 18.99 | 6.04 | 27.89 | 1.03 |

'Coal' includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
'Petroleum Liquids' include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
'Petroleum Coke' includes petroleum coke and synthesis gas derived from petroleum coke.
'Natural Gas' includes a small amount of supplemental gaseous fuels.
Notes: See Glossary for definitions. Values are preliminary. Data represents weighted values.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

## Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2016 through 2018

| | Mean Absolute Value of Percent Change Total (All Sectors) | | |
|---|---|---|---|
| **Item** | **2016** | **2017** | **2018** |
| Net Generation | | | |
| Coal | 0.09% | 0.17% | 0.42% |
| Petroleum Liquids | 3.08% | 3.41% | 2.56% |
| Petroleum Coke | 1.46% | 5.79% | 5.97% |
| Natural Gas | 0.30% | 1.94% | 1.10% |
| Other Gases | 3.76% | 11.64% | 10.59% |
| Hydroelectric | 0.76% | 2.01% | 2.37% |
| Nuclear | 0.05% | 0.00% | 0.00% |
| Other | 0.76% | 1.33% | 1.67% |
| **Total** | **0.08%** | **0.56%** | **0.29%** |
| Consumption of Fossil Fuels for Electricity Generation | | | |
| Coal | 0.11% | 0.13% | 0.17% |
| Petroleum Liquids | 5.81% | 3.39% | 5.23% |
| Petroleum Coke | 0.87% | 4.95% | 10.63% |
| Natural Gas | 2.26% | 1.09% | 0.79% |
| Fuel Stocks for Electric Power Sector | | | |
| Coal | 0.72% | 0.18% | 0.35% |
| Petroleum Liquids | 5.25% | 2.10% | 1.07% |
| Petroleum Coke | 0.27% | 14.42% | 2.29% |
| Retail Sales | | | |
| Residential | 0.26% | 0.31% | 0.34% |
| Commercial | 0.55% | 0.28% | 0.37% |
| Industrial | 4.31% | 4.00% | 5.02% |
| Transportation | 0.06% | 0.12% | 0.95% |
| **Total** | **1.40%** | **1.12%** | **1.53%** |
| Revenue | | | |
| Residential | 0.28% | 0.26% | 0.21% |
| Commercial | 1.21% | 0.28% | 0.49% |
| Industrial | 4.54% | 3.52% | 4.76% |
| Transportation | 1.53% | 0.21% | 1.63% |
| **Total** | **1.34%** | **0.57%** | **1.04%** |
| Average Retail Price | | | |
| Residential | 0.05% | 0.21% | 0.16% |
| Commercial | 0.65% | 0.20% | 0.16% |
| Industrial | 0.24% | 0.51% | 0.38% |
| Transportation | 1.57% | 0.20% | 0.80% |
| **Total** | **0.10%** | **0.53%** | **0.48%** |
| Receipt of Fossil Fuels | | | |
| Coal | 1.92% | 1.30% | 0.33% |
| Petroleum Liquids | 1.16% | 3.18% | 11.02% |
| Petroleum Coke | 0.01% | 0.00% | 0.00% |
| Natural Gas | 0.21% | 19.49% | 8.23% |
| Cost of Fossil Fuels | | | |
| Coal | 0.12% | 0.83% | 0.24% |
| Petroleum Liquids | 0.26% | 0.34% | 1.04% |
| Petroleum Coke | 0.12% | 0.00% | 0.00% |
| Natural Gas | 0.12% | 0.47% | 0.54% |

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-month values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report'; Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report';
and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

## Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2016 through 2018

| Item | 2016 | | | 2017 | | | 2018 | | |
|---|---|---|---|---|---|---|---|---|---|
| | Preliminary Annual Data | Final Annual Data | Percent Change | Preliminary Annual Data | Final Annual Data | Percent Change | Preliminary Annual Data | Final Annual Data | Percent Change |
| Net Generation (Thousand MWh) | | | | | | | | | |
| Coal | 1,240,108 | 1,239,149 | -0.08% | 1,207,901 | 1,205,835 | -0.17% | 1,146,393 | 1,149,487 | 0.27% |
| Petroleum Liquids | 12,675 | 13,008 | 2.63% | 12,583 | 12,414 | -1.34% | 15,742 | 16,245 | 3.19% |
| Petroleum Coke | 11,232 | 11,197 | -0.31% | 8,508 | 8,976 | 5.50% | 8,830 | 8,981 | 1.71% |
| Natural Gas | 1,380,295 | 1,378,307 | -0.14% | 1,272,864 | 1,296,442 | 1.85% | 1,468,013 | 1,469,133 | 0.08% |
| Other Gases | 13,000 | 12,807 | -1.48% | 14,159 | 12,469 | -11.94% | 12,191 | 13,463 | 10.43% |
| Hydroelectric | 259,143 | 261,126 | 0.77% | 293,550 | 293,838 | 0.10% | 285,819 | 286,619 | 0.28% |
| Nuclear | 805,327 | 805,694 | 0.05% | 804,950 | 804,950 | 0.00% | 807,078 | 807,084 | 0.00% |
| Other | 357,299 | 355,387 | -0.54% | 400,289 | 399,346 | -0.24% | 433,744 | 427,265 | -1.49% |
| **Total** | **4,079,079** | **4,076,675** | **-0.06%** | **4,014,804** | **4,034,271** | **0.48%** | **4,177,810** | **4,178,277** | **0.01%** |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | |
| Coal (1,000 tons) | 678,005 | 677,371 | -0.09% | 663,479 | 663,911 | 0.07% | 635,833 | 636,213 | 0.06% |
| Petroleum Liquids (1,000 barrels) | 21,225 | 22,405 | 5.56% | 21,935 | 21,696 | -1.09% | 27,245 | 28,614 | 5.02% |
| Petroleum Coke (1,000 tons) | 4,275 | 4,253 | -0.52% | 3,349 | 3,490 | 4.21% | 3,311 | 3,623 | 9.40% |
| Natural Gas (1,000 Mcf) | 10,400,189 | 10,170,110 | -2.21% | 9,440,777 | 9,508,062 | 0.71% | 10,855,155 | 10,833,043 | -0.20% |
| Fuel Stocks for Electric Power Sector | | | | | | | | | |
| Coal (1,000 tons) | 163,946 | 162,009 | -1.18% | 137,155 | 137,687 | 0.39% | 102,786 | 102,793 | 0.01% |
| Petroleum Liquids (1,000 barrels) | 30,880 | 30,593 | -0.93% | 28,723 | 28,089 | -2.21% | 25,082 | 25,977 | 3.57% |
| Petroleum Coke (1,000 tons) | 872 | 845 | -3.10% | 1,113 | 864 | -22.42% | 541 | 539 | -0.27% |
| Retail Sales (Million kWh) | | | | | | | | | |
| Residential | 1,407,394 | 1,411,058 | 0.26% | 1,378,819 | 1,378,648 | -0.01% | 1,464,373 | 1,469,093 | 0.32% |
| Commercial | 1,359,617 | 1,367,191 | 0.56% | 1,349,208 | 1,352,888 | 0.27% | 1,376,741 | 1,381,755 | 0.36% |
| Industrial | 936,269 | 976,715 | 4.32% | 946,443 | 984,298 | 4.00% | 953,076 | 1,000,673 | 4.99% |
| Transportation | 7,499 | 7,497 | -0.03% | 7,524 | 7,523 | -0.02% | 7,738 | 7,665 | -0.94% |
| **Total** | **3,710,779** | **3,762,462** | **1.39%** | **3,681,995** | **3,723,356** | **1.12%** | **3,801,928** | **3,859,185** | **1.51%** |
| Revenue (Million Dollars) | | | | | | | | | |
| Residential | 176,585 | 177,077 | 0.28% | 177,860 | 177,661 | -0.11% | 188,742 | 189,033 | 0.15% |
| Commercial | 140,937 | 142,643 | 1.21% | 144,108 | 144,242 | 0.09% | 146,696 | 147,425 | 0.50% |
| Industrial | 63,201 | 66,068 | 4.54% | 65,394 | 67,691 | 3.51% | 66,090 | 69,218 | 4.73% |
| Transportation | 711 | 722 | 1.53% | 727 | 728 | 0.15% | 756 | 744 | -1.65% |
| **Total** | **381,435** | **386,509** | **1.33%** | **388,089** | **390,322** | **0.58%** | **402,283** | **406,420** | **1.03%** |
| Average Retail Price (Cents/kWh) | | | | | | | | | |
| Residential | 12.55 | 12.55 | 0.02% | 12.90 | 12.89 | -0.10% | 12.89 | 12.87 | -0.17% |
| Commercial | 10.37 | 10.43 | 0.65% | 10.68 | 10.66 | -0.18% | 10.66 | 10.67 | 0.13% |
| Industrial | 6.75 | 6.76 | 0.21% | 6.91 | 6.88 | -0.47% | 6.93 | 6.92 | -0.25% |
| Transportation | 9.48 | 9.63 | 1.55% | 9.67 | 9.68 | 0.17% | 9.77 | 9.70 | -0.71% |
| **Total** | **10.28** | **10.27** | **-0.06%** | **10.54** | **10.48** | **-0.54%** | **10.58** | **10.53** | **-0.47%** |
| Receipt of Fossil Fuels | | | | | | | | | |
| Coal (1,000 tons) | 638,564 | 650,770 | 1.91% | 634,118 | 642,364 | 1.30% | 594,683 | 596,215 | 0.26% |
| Petroleum Liquids (1,000 barrels) | 16,610 | 16,807 | 1.18% | 15,619 | 16,127 | 3.25% | 19,717 | 22,290 | 13.05% |
| Petroleum Coke (1,000 tons) | 4,166 | 4,166 | 0.01% | 3,309 | 3,309 | 0.00% | 3,010 | 3,010 | 0.00% |
| Natural Gas (1,000 Mcf) | 10,258,688 | 10,271,180 | 0.12% | 8,050,520 | 9,628,733 | 19.60% | 10,039,232 | 10,885,764 | 8.43% |
| Cost of Fossil Fuels (Dollars per Million Btu) | | | | | | | | | |
| Coal (1,000 tons) | 2.12 | 2.11 | -0.15% | 2.08 | 2.06 | -0.87% | 2.06 | 2.06 | -0.22% |
| Petroleum Liquids (1,000 barrels) | 9.36 | 9.39 | 0.28% | 11.82 | 11.86 | 0.36% | 14.24 | 14.40 | 1.16% |
| Petroleum Coke (1,000 tons) | 1.65 | 1.65 | 0.15% | 2.13 | 2.13 | 0.00% | 2.54 | 2.54 | 0.00% |
| Natural Gas (1,000 Mcf) | 2.88 | 2.87 | -0.06% | 3.39 | 3.37 | -0.55% | 3.55 | 3.55 | 0.03% |

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2018 are Final.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report'; Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report'; and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

## Table C.4. Unit of Measure Equivalents for Electricity

| Unit | Equivalent |
|---|---|
| Kilowatt (kW) | 1,000 (One Thousand) Watts |
| Megawatt (MW) | 1,000,000 (One Million) Watts |
| Gigawatt (GW) | 1,000,000,000 (One Billion) Watts |
| Terawatt (TW) | 1,000,000,000,000 (One Trillion) Watts |
| | |
| Gigawatt | 1,000,000 (One Million) Kilowatts |
| Thousand Gigawatts | 1,000,000,000 (One Billion) Kilowatts |
| | |
| Kilowatthours (kWh) | 1,000 (One Thousand) Watthours |
| Megawatthours (MWh) | 1,000,000 (One Million) Watthours |
| Gigawatthours (GWh) | 1,000,000,000 (One Billion) Watthours |
| Terawatthours (TWh) | 1,000,000,000,000 (One Trillion) Watthours |
| | |
| Gigawatthours | 1,000,000 (One Million) Kilowatthours |
| Thousand Gigawatthours | 1,000,000,000(One Billion Kilowatthours |

Source: U.S. Energy Information Administration

# Glossary

**Anthracite:** The highest rank of coal; used primarily for residential and commercial space heating. It is a hard, brittle, and black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. The moisture content of fresh-mined anthracite generally is less than 15 percent. The heat content of anthracite ranges from 22 to 28 million Btu per ton on a moist, mineral-matter-free basis. The heat content of anthracite coal consumed in the United States averages 25 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter). Note: Since the 1980's, anthracite refuse or mine waste has been used for steam electric power generation. This fuel typically has a heat content of 15 million Btu per ton or less.

**Ash:** Impurities consisting of silica, iron, aluminum, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on a "received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

**Ash content:** The amount of ash contained in the fuel (except gas) in terms of percent by weight.

**Average Price of Electricity to Ultimate Consumers** (formerly known as Average Revenue per Kilowatthour): The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

**Barrel:** A unit of volume equal to 42 U.S. gallons.

**Biomass:** Organic non-fossil material of biological origin constituting a renewable energy resource.

**Bituminous coal:** A dense coal, usually black, sometimes dark brown, often with well-defined bands of bright and dull material, used primarily as fuel in steam-electric power generation, with substantial quantities also used for heat and power applications in manufacturing and to make coke. Bituminous coal is the most abundant coal in active U.S. mining regions. Its moisture content usually is less than 20 percent. The heat content of bituminous coal ranges from 21 to 30 million Btu per ton on a moist, mineral-matter-free basis. The heat content of bituminous coal consumed in the United States averages 24 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

**British thermal unit:** The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

**Btu:** The abbreviation for British thermal unit(s).

**Capacity:** See Generator Capacity and Generator Name Plate Capacity (Installed).

**Census Divisions:** Any of nine geographic areas of the United States as defined by the U.S. Department of Commerce, Bureau of the Census. The divisions, each consisting of several States, are defined as follows:

1) *New England:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
2) *Middle Atlantic:* New Jersey, New York, and Pennsylvania;
3) *East North Central:* Illinois, Indiana, Michigan, Ohio, and Wisconsin;
4) *West North Central:* Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota;
5) *South Atlantic:* Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia;
6) *East South Central:* Alabama, Kentucky, Mississippi, and Tennessee;
7) *West South Central:* Arkansas, Louisiana, Oklahoma, and Texas;
8) *Mountain:* Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming;
9) *Pacific:* Alaska, California, Hawaii, Oregon, and Washington.

*Note:* Each division is a sub-area within a broader Census Region. In some cases, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

**Coal:** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Coal synfuel:** Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

**Coke (petroleum):** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Combined cycle:** An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbine-generators. The exiting heat from the combustion turbine(s) is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of additional electricity.

**Combined heat and power (CHP):** Includes plants designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

**Commercial sector:** An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

**Consumption (fuel):** The use of energy as a source of heat or power or as a raw material input to a manufacturing process.

**Cost:** The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

**Demand (electric):** The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

**Diesel:** A distillate fuel oil that is used in diesel engines such as those used for transportation and for electric power generation.

**Distillate fuel oil:** *A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.*

1) *No. 1 Distillate:* A light petroleum distillate that can be used as either a diesel fuel (see No. 1 Diesel Fuel) or a fuel oil. See No. 1 Fuel Oil.

- *No. 1 Diesel fuel:* A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See No. 1 Distillate above.
- *No. 1 Fuel oil:* A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See No. 1 Distillate above.

2) *No. 2 Distillate:* A petroleum distillate that can be used as either a diesel fuel (see No. 2 Diesel Fuel definition below) or a fuel oil. See No. 2 Fuel oil below.

- *No. 2 Diesel fuel:* A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See No. 2 Distillate above.

3) *No. 4 Fuel:* A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

- *No. 4 Diesel fuel and No. 4 Fuel oil:* See No. 4 Fuel above.

**Electric industry restructuring:** The process of replacing a monopolistic system of electric utility suppliers with competing sellers, allowing individual ultimate customers to choose their supplier but still receive delivery over the power lines of the local utility. It includes the reconfiguration of vertically integrated electric utilities.

**Electric plant (physical):** A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

**Electric power sector:** An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public-- i. e., North American Industry Classification System 22 plants.

**Electric utility:** A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

**Electricity:** A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

**Electricity generation:** The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

**Electricity generators:** The facilities that produce only electricity, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

**Energy:** The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

**Energy conservation features:** This includes building shell conservation features, HVAC conservation features, lighting conservation features, any conservation features, and other conservation features incorporated by the building. However, this category does not include any demand-side management (DSM) program participation by the building. Any DSM program participation is included in the DSM Programs.

**Energy efficiency:** Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g. lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

**Energy service provider:** An energy entity that provides service to an ultimate consumer.

**Energy source:** Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells.

**Energy-only service:** Sales services for ultimate consumers for which the company provided only the energy consumed, where another entity provides delivery services.

**Fossil fuel:** An energy source formed in the earths crust from decayed organic material. The common fossil fuels are petroleum, coal, and natural gas.

**Franchised service area:** A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in order to provide, distribute, and sell services to the community.

**Fuel:** Any material substance that can be consumed to supply heat or power. Included are petroleum, coal, and natural gas (the fossil fuels), and other consumable materials, such as uranium, biomass, and hydrogen.

**Gas:** A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

**Gas turbine plant:** An electric generating facility in which the prime mover is a gas (combustion) turbine. A gas turbine typically consists of an air compressor and one or more combustion chambers where either liquid or gaseous fuel is burned. The resulting hot gases are passed through the turbine where they expand to drive both an electric generator and the compressor.

**Generating unit:** Any combination of physically connected generators, reactors, boilers, combustion turbines, or other prime movers operated together to produce electric power.

**Generator:** A machine that converts mechanical energy into electrical energy.

**Generator capacity:** The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, adjusted for ambient conditions.

**Generator nameplate capacity (installed):** The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

**Geothermal:** Pertaining to heat within the Earth.

**Geothermal energy:** Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation.

**Gigawatt (GW):** One billion watts.

**Gigawatthour (GWh):** One billion watthours.

**Gross generation:** The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours (kWh) or megawatthours (MWh).

**Heat content:** The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

**Hydroelectric power:** The production of electricity from the kinetic energy of falling water.

**Hydroelectric power generation:** Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i.e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

**Hydroelectric pumped storage:** Hydroelectricity that is generated during peak loads by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

**Hydrogen:** A colorless, odorless, highly flammable gaseous element. It is the lightest of all gases and the most abundant element in the universe, occurring chiefly in combination with oxygen in water and also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Independent power producer:** A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility.

**Industrial sector:** An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); natural gas distribution (NAICS code 2212); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

**Interdepartmental service (electric):** Interdepartmental service includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

**Internal combustion plant:** A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

**Investor-owned utility (IOU):** A privately-owned electric utility whose stock is publicly traded. It is rate regulated and authorized to achieve an allowed rate of return.

**Jet fuel:** A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet fuel and naphtha-type jet fuel.

**Kerosene:** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

**Kilowatt (kW):** One thousand watts.

**Kilowatthour (kWh):** One thousand watthours.

**Light oil:** Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

**Lignite:** The lowest rank of coal, often referred to as brown coal, used almost exclusively as fuel for steam-electric power generation. It is brownish-black and has a high inherent moisture content, sometimes as high as 45 percent. The heat content of lignite ranges from 9 to 17 million Btu per ton on a moist, mineral-matter-free basis. The heat content of lignite consumed in the United States averages 13 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

**Manufactured gas:** A gas obtained by destructive distillation of coal, or by thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, and carbureted water gas

**Mcf:** One thousand cubic feet.

**Megawatt (MW):** One million watts of electricity.

**Megawatthour (MWh):** One million watthours.

**Municipal utility:** A nonprofit utility, owned by a local municipality and operated as a department thereof, governed by a city council or an independently elected or appointed board; primarily involved in the distribution and/or sale of electric power to ultimate consumers.

**Natural gas:** A gaseous mixture of hydrocarbon compounds, the primary one being methane. Note: The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

1) *Wet natural gas:* A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated liquefiable portions occur either in a single gaseous phase in the reservoir or in solution with crude oil and are not distinguishable at the time as separate substances. Note: The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as natural gas.

   - Associated-dissolved natural gas: Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas).
   - Nonassociated natural gas: Natural gas that is not in contact with significant quantities of crude oil in the reservoir.

2) *Dry natural gas:* Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Note: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

**Net generation:** The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. Note: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

**Net summer capacity:** The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of summer peak demand (period of May 1 through October 31). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

**Net winter capacity:** The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 though April 30). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

**North American Electric Reliability Council (NERC):** A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. The NERC Regions are:

1) Texas Regional Entity (TRE),
2) Florida Reliability Coordinating Council (FRCC),
3) Midwest Reliability Organization (MRO),
4) Northeast Power Coordinating Council (NPCC),
5) ReliabilityFirst Corporation (RFC),
6) Southeastern Electric Reliability Council (SERC),
7) Southwest Power Pool (SPP), and the
8) Western Energy Coordinating Council (WECC).

**North American Industry Classification System (NAICS):** A set of codes that describes the possible purposes of a facility.

**Nuclear electric power:** Electricity generated by an electric power plant whose turbines are driven by steam produced by the heat from the fission of nuclear fuel in a reactor.

**Other customers:** Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, sales for irrigation, and interdepartmental sales.

**Other generation:** Electricity originating from these sources: manufactured, supplemental gaseous fuel, propane, and waste gasses, excluding natural gas; biomass; geothermal; wind; solar thermal; photovoltaic; synthetic fuel; purchased steam; and waste oil energy sources.

**Percent change:** The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

**Petroleum:** A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. Note: Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

**Petroleum coke:** See Coke (petroleum).

**Photovoltaic energy:** Direct-current electricity generated from sunlight through solid-state semiconductor devices that have no moving parts.

**Plant:** A term commonly used either as a synonym for an industrial establishment or a generation facility or to refer to a particular process within an establishment.

**Power:** The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

**Power production plant:** All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbo generator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

**Production (electric):** Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

**Propane:** A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D 1835.

**Public street and highway lighting service:** Includes electricity supplied and services rendered for the purpose of lighting streets, highways, parks and other public places; or for traffic or other signal system service, for municipalities, or other divisions or agencies of State or Federal governments.

**Railroad and railway electric service:** Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

**Receipts:** Purchases of fuel.

**Relative standard error:** The standard deviation of a distribution divided by the arithmetic mean, sometimes multiplied by 100. It is used for the purpose of comparing the variabilities of frequency distributions but is sensitive to errors in the means.

**Residential:** An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

**Residual fuel oil:** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government

service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Retail:** Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

**Revenues:** The total amount of money received by a firm from sales of its products and/or services, gains from the sales or exchange of assets, interest and dividends earned on investments, and other increases in the owner's equity except those arising from capital adjustments.

**Sales:** The transfer of title to an energy commodity from a seller to a buyer for a price or the quantity transferred during a specified period.

**Service classifications (sectors):** Consumers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential, commercial, industrial and other.

**Service to public authorities:** Public authority service includes electricity supplied and services rendered to municipalities or divisions or agencies of State and Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

**Solar energy:** The radiant energy of the sun that can be converted into other forms of energy, such as heat or electricity. Electricity produced from solar energy heats a medium that powers an electricity-generating device.

**State power authority:** A nonprofit utility owned and operated by a state government agency, primarily involved in the generation, marketing, and/or transmission of wholesale electric power.

**Steam-electric power plant (conventional):** A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

**Stocks of fuel:** A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or in separate storage sites.

**Subbituminous coal:** A coal whose properties range from those of lignite to those of bituminous coal and used primarily as fuel for steam-electric power generation. It may be dull, dark brown to black, soft and crumbly, at the lower end of the range, to bright, jet black, hard, and relatively strong, at the upper end. Subbituminous coal contains 20 to 30 percent inherent moisture by weight. The heat content of subbituminous coal ranges from 17 to 24 million Btu per ton on a moist, mineral-matter-free basis. The heat content of subbituminous coal consumed in the United States averages 17 to 18 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

**Sulfur:** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is

currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**Sulfur content:** The amount of sulfur contained in the fuel (except gas) in terms of percent by weight.

**Supplemental gaseous fuel supplies:** Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

**Synthetic fuel:** A gaseous, liquid, or solid fuel that does not occur naturally. Synfuels can be made from coal (coal gasification or coal liquefaction), petroleum products, oil shale, tar sands, or plant products. Among the synfuels are various fuel gases, including but not restricted to substitute natural gas, liquid fuels for engines (e.g., gasoline, diesel fuel, and alcohol fuels) and burner fuels (e.g., fuel heating oils).

**Terrawatt:** One trillion watts.

**Terrawatthour:** One trillion kilowatthours.

**Ton:** A unit of weight equal to 2,000 pounds.

**Turbine:** A machine for generating rotary mechanical power from the energy of a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

**Ultimate consumer:** A consumer that purchases electricity for its own use and not for resale.

**Useful thermal output:** The thermal energy made available in a combined heat or power system for use in any industrial or commercial process, heating or cooling application, or delivered to other end users, i.e., total thermal energy made available for processes and applications other than electrical generation.

**Waste coal:** As a fuel for electric power generation, waste coal includes anthracite refuse or mine waste, waste from anthracite preparation plants, and coal recovered from previously mined sites.

**Waste gases:** As a fuel for electric power generation, waste gasses are those gasses that are produced from gasses recovered from a solid-waste or wastewater treatment facility, or the gaseous by-products of oil-refining processes.

**Waste oil:** As a fuel for electric power generation, waste oil includes recycled motor oil, and waste oil from transformers.

**Watt (W):** The unit of electrical power equal to one ampere under a pressure of one volt. A Watt is equal to 1/746 horsepower.

**Watthour (Wh):** The electrical energy unit of measure equal to one watt of power supplied to, or taken from, an electric circuit steadily for one hour.

**Wind energy:** The kinetic energy of wind converted into mechanical energy by wind turbines (i.e., blades rotating from the hub) that drive generators to produce electricity.

**Year-to -date:** The cumulative sum of each month's value starting with January and ending with the current month of the data.