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Contacts

The *Electric Power Monthly* is prepared by the U.S. Department of Energy's Energy Information Administration. Questions and comments concerning the contents of the *Electric Power Monthly* may be directed to:

Jorge Luna-Camara, Project Leader
Energy Information Administration, EI-53
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC, 20585-0650

Telephone: 202-586-3945 FAX: 202-287-1585
Internet e-mail address: jorge.luna-camara@eia.doe.gov

or the following subject specialists:

| Subject | Contact | Phone Number | E-Mail |
|---------------------------------------|-------------------------|---------------------|--|
| Executive Summary | Jorge Luna-Camara | 202-586-3945 | jorge.luna-camara@eia.doe.gov |
| U.S. Electric Net Generation | Ronald Hankey | 202-586-2630 | ronald.hankey@eia.doe.gov |
| U.S. Electric Consumption of Fuels | Christopher Cassar | 202-586-5448 | christopher.cassar@eia.doe.gov |
| U.S. Electric Stocks of Fuels | Christopher Cassar | 202-586-5448 | christopher.cassar@eia.doe.gov |
| U.S. Electric Fossil-Fuel Receipts | Rebecca McNERney | 202-586-4509 | rebecca.mcnerney@eia.doe.gov |
| U.S. Electric Fossil-Fuel Costs | Rebecca McNERney | 202-586-4509 | rebecca.mcnerney@eia.doe.gov |
| U.S. Retail Sales of Electricity | Charlene Harris-Russell | 202-586-2661 | charlene.harris-russell@eia.doe.gov |
| Sampling and Estimation Methodologies | James Knaub, Jr. | 202-586-3014 | james.knaub@eia.doe.gov |

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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 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 Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, EIA, 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, electricity retail sales, 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;" Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from the internet site:

<http://www.eia.doe.gov/cneaf/electricity/page/forms.html> A detailed description of these forms and associated algorithms are found in Appendix C, "Technical Notes."

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 EIA-860 or EIA-923. See the following link for a detailed explanation.

<http://www.eia.doe.gov/cneaf/electricity/2008forms/consolidate.html>

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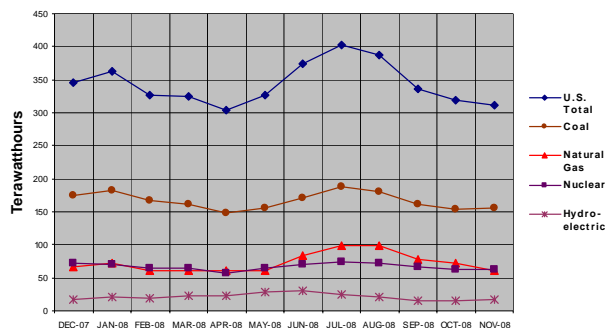
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Executive Summary

Generation: Net generation in the United States dropped by 0.9 percent from November 2007 to November 2008. This was the fourth consecutive month that net generation was down compared to the same calendar month in 2007. The Commerce Department reported that real gross domestic product decreased from the third quarter to the fourth quarter of 2008, and reflecting this decline, total industrial production in November 2008 as reported by the Federal Reserve was 5.5 percent lower than it had been in November 2007, the fifth consecutive month that same-month industrial production in 2008 declined from 2007. Weather conditions were consistent with the lower generation level as well.

The drop in coal-fired generation was the largest absolute fuel-specific decline from November 2007 to November 2008 as it fell by 4,380 thousand megawatthours, or 2.7 percent. Declines in Texas, Georgia, Missouri, Tennessee, and West Virginia totaled 4,262 thousand megawatthours. Nuclear generation was down by 2.3 percent and was second only to coal-fired generation in its contribution to the national drop in net generation. The biggest drop in generation at a nuclear plant was at the Millstone facility in Connecticut, which was down for part of the month for a refueling outage. Net generation from wind sources was 42.4 percent higher than it had been in November 2007. The higher wind generation totals in Texas, California, Minnesota, and Illinois accounted for 53.1 percent of the national rise. Petroleum liquid-fired generation was 4.8 percent higher compared to a year ago, with its overall share of net generation still quite small compared to coal, nuclear, natural gas-fired, and hydroelectric sources.

Figure 1: Net Generation by Major Energy Source: Total (All Sectors), December 2007 through November 2008

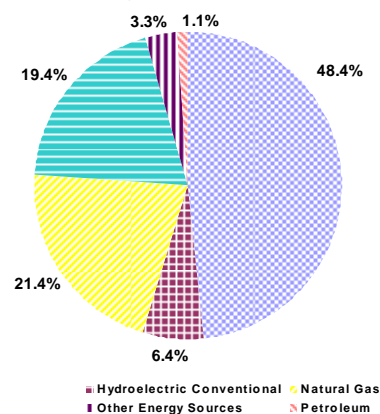


Year-to-date, net generation was down 1.0 percent from 2007 levels. Net generation attributable to coal-fired plants was down 1.0 percent. Nuclear generation was down 0.2 percent. Generation from petroleum liquids was down 39.2 percent, while natural gas-fired

generation was down 2.6 percent. The November increase in conventional hydroelectric generation contributed to a year-to-date total that was up 6.1 percent. The jump in November wind generation contributed to a year-to-date wind generation total that was up 33.1 percent.

Coal-fired plants contributed 48.4 percent of the Nation's electric power, year-to-date. Nuclear plants contributed 19.4 percent, while 21.4 percent was generated at natural gas-fired plants. Of the 1.1 percent generated by petroleum-fired plants, petroleum liquids represented 0.8 percent, with the remainder from petroleum coke. Conventional hydroelectric power provided 6.4 percent of the total, while other renewables (biomass, geothermal, solar, and wind) and other miscellaneous energy sources generated the remaining 3.1 percent of electric power (Figure 2).

Figure 2: Net Generation Shares by Energy Source: Total (All Sectors), Year-to-Date through November, 2008



Consumption of Fuels: Consumption of coal for power generation in November 2008 was down by 1.3 percent compared to November 2007. For the same time period, consumption of petroleum liquids was up by 9.8 percent while petroleum coke decreased by 5.5 percent. Consumption of natural gas increased by 3.4 percent.

Year-to-date, consumption of coal rose by a very small amount. Natural gas consumption decreased by 1.8 percent, while the consumption of petroleum liquids and petroleum coke fell by 37.2 percent and 11.6 percent, respectively.

Fuel Stocks, Electric Power Sector, November 2008

Total electric power sector coal stocks increased between November 2007 and November 2008 by 12.0 million tons. Stocks of bituminous coal (including coal synfuel)

decreased by 2.5 percent, or 1.7 million tons between November 2007 and November 2008 (from 68.0 to 66.3 million tons). Subbituminous coal stocks grew by 13.6 million tons between November 2007 and November 2008 (from 81.9 to 95.5 million tons).

Electric power sector liquid petroleum stocks totaled 40.1 million barrels at the end of November 2008, a decrease of 10.2 percent (4.6 million barrels) from November 2007. November 2008 stocks were 0.1 percent (53 thousand barrels) higher than at the end of October 2008.

Fuel Receipts and Costs, All Sectors, November 2008

In November 2008, the price of coal to electricity generators decreased slightly from the amount which held steady for the previous 3 months. The downward trend in the prices of petroleum liquids and natural gas continued in November. Receipts of coal, petroleum liquids, and natural gas decreased from their October 2008 levels, but increased from their November 2007 levels.

The average price paid for petroleum liquids decreased significantly from \$15.55 per MMBtu in October 2008 to \$11.59 in November. This was a 25.5-percent decrease from October and a 10.4-percent decrease from November 2007. Receipts of petroleum liquids in November 2008 were 3.5 million barrels, a 6.8-percent decrease from October 2008 and a 1.3-percent increase from November 2007.

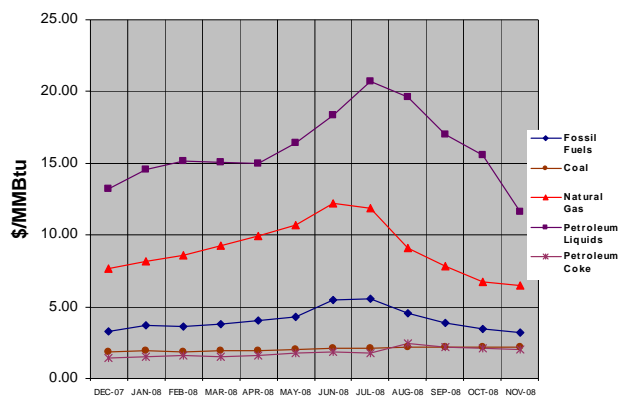
The average price paid for natural gas by electricity generators in November was \$6.49 per MMBtu, a 4.0-percent decrease from the October 2008 level of \$6.76. The November price was 8.7 percent lower than the November 2007 price of \$7.11 per MMBtu. Receipts of natural gas were 530.6 million Mcf, down 14.6 percent from October 2008 and up 8.2 percent from November 2007.

The average price paid for coal in November 2008 was \$2.15 per MMBtu, down 1.4 percent from the price paid in October 2008. It was 20.8 percent higher when compared with the November 2007 price of \$1.78 per MMBtu. Receipts of coal in November were 89.3 million tons, down 3.7 percent when compared with October 2008 data and up 3.6 percent from November 2007. The overall price for fossil fuels was \$3.24 per MMBtu in November 2008, a 6.4-percent decrease from October 2008, and a 5.5 percent increase from November 2007.

Year-to-date (January through November) 2008 prices compared to the same period last year were up 32.3 percent for natural gas, 75.8 percent for petroleum liquids, and 17.1 percent for coal. Year-to-date 2008 receipts compared to the same period last year were up 5.0 percent for natural

gas and 0.4 percent for coal. Year-to-date receipts for petroleum liquids were down 14.4 percent.

Figure 3: Electric Power Industry Fuel Costs, December 2007 through November 2008



Sales, Revenue, and Average Retail Price, November 2008

The average retail price of electricity for November 2008 was 9.73 cents per kilowatt-hour (kWh), 2.9 percent lower than October 2008 when the average retail price of electricity was 10.02 cents per kWh, and 8.8 percent higher than November 2007, when the price was 8.94 cents per kWh. The seasonal decrease in electricity demand due to more moderate temperatures in the shoulder season continuing into November led to lower prices than in October 2008. Retail sales between November 2007 and November 2008 decreased 2.3 percent due to the slowing economy and comparably less cooling demand than November 2007. The average price of residential electricity for November 2008 increased 0.77 cents to 11.47 cents per kWh from November 2007 and was down slightly from 11.86 cents per kWh in October 2008 when cooling demand was higher. At 11.47 cents per kWh, the average residential price of electricity increased by 7.2 percent from November 2007.

Sales: For November 2008, sales in the residential sector increased by 0.3 percent while sales in the commercial and industrial sectors decreased by 0.3 percent and 7.6 percent, respectively, as compared to November 2007. For the month, total retail sales were 279.6 billion kWh, a decrease of 13.5 billion kWh from October 2008, and a decrease of 2.3 percent or 6.7 billion kWh from November 2007. Year-to-date 2008, sales were 3,445 billion kWh, corresponding to a 0.4 percent decrease over the same period in 2007.

Revenue: Total retail revenues in November 2008 were \$27.2 billion, reflecting an increase in revenue of 6.2 percent from November 2007, but a \$2.2 billion decrease from October 2008, reflecting a slowing demand. The revenue increase year-over-year can be attributed to higher

fuel costs, while seasonality and a slowing economy influenced sales from month to month, October to November. For November 2008, residential sector retail revenues increased 7.5 percent from November 2007, while the commercial and industrial sector retail revenues increased by 6.3 and 3.7 percent respectively. Year-to-date 2008, retail revenue increased to \$337.8 billion, a 6.8-percent increase over the same period in 2007.

Average Retail Price: For the month, average residential retail prices slipped slightly to 11.47 cents per kWh from 11.86 cents per kWh in October 2008, although they were 7.2 percent higher than November 2007 when the price was 10.70 cents per kWh. The November 2008 average commercial retail price was 10.13 cents per kWh, a 6.6 percent increase from November 2007 and down slightly from 10.49 cents per kWh in October 2008. The average industrial retail price for November 2008 rose to 7.06 cents per kWh, a 12.4 percent increase over November 2007 and down slightly from 7.24 cents per kWh in October 2008. Year-to-date November 2008 residential prices increased

by 6.3 percent when compared to the same period last year and the year-to-date average retail prices for all sectors increased to 9.81 cents per kWh, or 7.2 percent over the same period last year. (Figure 4).

Figure 4: Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Year-to-Date through November 2008 and 2007

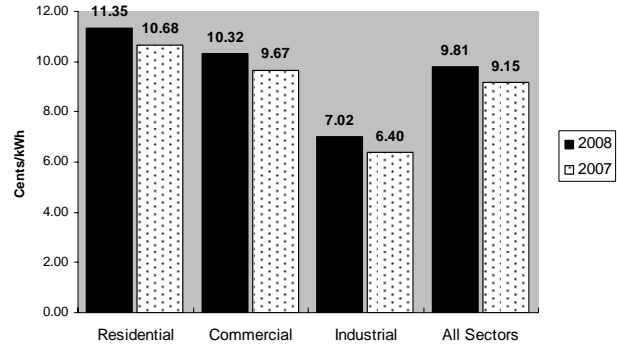


Table ES1.A. Total Electric Power Industry Summary Statistics, 2008 and 2007

| November | | | | | | | | | | | |
|---|---------------------|----------------|-----------|-----------------------|----------------|-----------------------------|----------------|------------|------------|---------------|---------------|
| Net Generation and Consumption of Fuels | | | | | | | | | | | |
| Items | Total (All Sectors) | | | Electric Power Sector | | | | Commercial | | Industrial | |
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | % Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Net Generation (thousand megawatthours) | | | | | | | | | | | |
| Coal ¹ | 155,002 | 159,382 | -2.7 | 113,340 | 118,379 | 40,332 | 39,557 | 102 | 115 | 1,227 | 1,332 |
| Petroleum Liquids ² | 2,097 | 2,001 | 4.8 | 1,539 | 1,452 | 454 | 411 | 9 | 5 | 96 | 133 |
| Petroleum Coke..... | 1,075 | 1,135 | -5.3 | 516 | 404 | 469 | 568 | 1 | 1 | 89 | 162 |
| Natural Gas ³ | 61,461 | 60,637 | 1.4 | 22,273 | 21,658 | 33,160 | 32,373 | 327 | 335 | 5,701 | 6,270 |
| Other Gases ⁴ | 686 | 1,031 | -33.5 | 1 | 14 | 160 | 318 | -- | -- | 525 | 699 |
| Nuclear..... | 63,408 | 64,899 | -2.3 | 31,811 | 33,202 | 31,597 | 31,697 | -- | -- | -- | -- |
| Hydroelectric Conventional..... | 17,081 | 15,682 | 8.9 | 15,474 | 14,118 | 1,505 | 1,436 | 3 | 5 | 100 | 123 |
| Other Renewables..... | 10,092 | 9,029 | 11.8 | 844 | 779 | 6,878 | 5,658 | 127 | 141 | 2,244 | 2,451 |
| Wood and Wood-Derived Fuels ⁵ | 3,157 | 3,273 | -3.6 | 186 | 204 | 772 | 678 | 1 | 2 | 2,198 | 2,390 |
| Other Biomass ⁶ | 1,296 | 1,425 | -9.1 | 90 | 103 | 1,035 | 1,122 | 125 | 139 | 47 | 61 |
| Geothermal..... | 1,206 | 1,211 | -4 | 102 | 96 | 1,104 | 1,115 | -- | -- | -- | -- |
| Solar Thermal and Photovoltaic ⁷ | 26 | 24 | 7.3 | 1 | * | 25 | 24 | -- | -- | -- | -- |
| Wind..... | 4,408 | 3,095 | 42.4 | 465 | 376 | 3,942 | 2,719 | -- | -- | -- | -- |
| Hydroelectric Pumped Storage..... | -492 | -662 | 25.6 | -390 | -549 | -103 | -113 | -- | -- | -- | -- |
| Other Energy Sources ⁸ | 736 | 967 | -23.9 | 37 | 42 | 499 | 503 | 58 | 65 | 142 | 357 |
| All Energy Sources..... | 311,146 | 314,103 | -9 | 185,444 | 189,498 | 114,952 | 112,409 | 626 | 667 | 10,124 | 11,528 |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | | | |
| Coal (1000 tons) ¹ | 81,383 | 82,495 | -1.3 | 58,641 | 60,509 | 22,148 | 21,573 | 30 | 30 | 564 | 383 |
| Petroleum Liquids (1000 bbls) ² | 3,625 | 3,302 | 9.8 | 2,685 | 2,501 | 792 | 657 | 12 | 8 | 135 | 137 |
| Petroleum Coke (1000 tons)..... | 407 | 431 | -5.5 | 198 | 162 | 183 | 223 | * | * | 26 | 46 |
| Natural Gas (1000 Mcf) ³ | 484,860 | 468,868 | 3.4 | 188,171 | 181,269 | 248,956 | 240,436 | 2,921 | 2,722 | 44,813 | 44,442 |
| Consumption of Fossil Fuels for Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ¹ | 1,839 | 1,898 | -3.1 | -- | -- | 345 | 311 | 149 | 139 | 1,344 | 1,447 |
| Petroleum Liquids (1000 bbls) ² | 451 | 761 | -40.8 | -- | -- | 31 | 99 | 17 | 8 | 403 | 653 |
| Petroleum Coke (1000 tons)..... | 73 | 98 | -25.6 | -- | -- | 12 | 13 | 1 | 1 | 60 | 83 |
| Natural Gas (1000 Mcf) ³ | 61,635 | 70,319 | -12.3 | -- | -- | 24,809 | 26,476 | 2,107 | 3,000 | 34,719 | 40,843 |
| Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ¹ | 83,221 | 84,392 | -1.4 | 58,641 | 60,509 | 22,494 | 21,884 | 179 | 169 | 1,908 | 1,830 |
| Petroleum Liquids (1000 bbls) ² | 4,076 | 4,063 | .3 | 2,685 | 2,501 | 823 | 756 | 29 | 16 | 538 | 790 |
| Petroleum Coke (1000 tons)..... | 480 | 529 | -9.2 | 198 | 162 | 195 | 236 | 2 | 2 | 86 | 129 |
| Natural Gas (1000 Mcf) ³ | 546,495 | 539,187 | 1.4 | 188,171 | 181,269 | 273,765 | 266,912 | 5,028 | 5,722 | 79,532 | 85,285 |
| Fuel Stocks (end-of-month) | | | | | | | | | | | |
| Coal (1000 tons) ⁹ | 169,050 | 157,438 | 7.4 | 131,854 | 122,160 | 34,444 | 32,132 | 299 | 393 | 2,453 | 2,753 |
| Petroleum Liquids (1000 bbls) ² | 44,778 | 48,050 | -6.8 | 26,033 | 28,157 | 14,102 | 16,561 | 390 | 583 | 4,253 | 2,748 |
| Petroleum Coke (1000 tons)..... | 1,247 | 890 | 40.0 | 489 | 309 | 377 | 303 | * | * | 380 | 278 |

Retail Sales, Retail Revenue and Average Retail Price per Kilowatthour

| Items | Total U.S. Electric Power Industry | | | | | | | | |
|------------------------------------|--|----------|----------|----------------------------------|----------|----------|----------------------------------|----------|----------|
| | Retail Sales (Million kWh) ¹⁰ | | | Retail Revenue (Million Dollars) | | | Average Retail Price (Cents/kWh) | | |
| | Nov 2008 | Nov 2007 | % Change | Nov 2008 | Nov 2007 | % Change | Nov 2008 | Nov 2007 | % Change |
| Residential..... | 96,153 | 95,905 | .3 | 11,029 | 10,264 | 7.5 | 11.47 | 10.70 | 7.2 |
| Commercial ¹¹ | 104,245 | 104,603 | -.3 | 10,564 | 9,938 | 6.3 | 10.13 | 9.50 | 6.6 |
| Industrial ¹¹ | 78,610 | 85,118 | -7.6 | 5,549 | 5,348 | 3.7 | 7.06 | 6.28 | 12.4 |
| Transportation ¹¹ | 616 | 673 | -8.5 | 65 | 59 | 10.9 | 10.61 | 8.76 | 21.1 |
| All Sectors..... | 279,623 | 286,299 | -2.3 | 27,207 | 25,609 | 6.2 | 9.73 | 8.94 | 8.8 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, and kerosene.

³ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Wood, black liquor, and other wood waste.

⁶ Biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

⁷ Solar thermal and photovoltaic energy.

⁸ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

⁹ Anthracite, bituminous, subbituminous, coal synfuel, and lignite; excludes waste coal.

¹⁰ Retail sales 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 for the calendar month while retail 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.

¹¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

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. See the Technical Notes (Appendix C) for further information. • 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 Renewables". • Values for 2007 are final. Values for 2008 are preliminary and are estimates based on samples. - See Technical Notes for a discussion of the sample designs. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, 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;" 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 ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2008 and 2007

| January through November | | | | | | | | | | | |
|---|---------------------|------------------|-------------|-----------------------|------------------|-----------------------------|------------------|--------------|--------------|----------------|----------------|
| Net Generation and Consumption of Fuels | | | | | | | | | | | |
| Items | Total (All Sectors) | | | Electric Power Sector | | | | Commercial | | Industrial | |
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | % Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| Net Generation (thousand megawatts) | | | | | | | | | | | |
| Coal ¹ | 1,824,137 | 1,842,626 | -1.0 | 1,345,504 | 1,362,333 | 461,401 | 463,696 | 1,406 | 1,253 | 15,826 | 15,344 |
| Petroleum Liquids ² | 28,390 | 46,702 | -39.2 | 20,036 | 31,712 | 6,959 | 12,650 | 91 | 164 | 1,304 | 2,175 |
| Petroleum Coke | 12,600 | 14,822 | -15.0 | 5,419 | 6,815 | 6,020 | 6,265 | 5 | 8 | 1,156 | 1,734 |
| Natural Gas ³ | 808,226 | 829,782 | -2.6 | 290,720 | 290,601 | 446,078 | 464,280 | 3,939 | 3,911 | 67,490 | 70,991 |
| Other Gases ⁴ | 13,253 | 12,431 | 6.6 | 19 | 126 | 4,241 | 3,579 | -- | -- | 8,992 | 8,726 |
| Nuclear | 732,692 | 734,442 | -2 | 385,354 | 389,810 | 347,338 | 344,632 | -- | -- | -- | -- |
| Hydroelectric Conventional | 243,220 | 229,168 | 6.1 | 221,210 | 210,349 | 20,094 | 17,314 | 66 | 70 | 1,850 | 1,436 |
| Other Renewables | 105,284 | 95,685 | 10.0 | 8,402 | 8,132 | 69,704 | 59,631 | 1,505 | 1,479 | 25,673 | 26,443 |
| Wood and Wood-Derived Fuels ⁵ | 34,760 | 35,675 | -2.6 | 1,719 | 2,026 | 7,995 | 7,767 | 17 | 13 | 25,030 | 25,868 |
| Other Biomass ⁶ | 15,112 | 15,072 | .3 | 1,024 | 1,117 | 11,957 | 11,915 | 1,488 | 1,466 | 643 | 574 |
| Geothermal | 13,414 | 13,371 | .3 | 1,091 | 1,036 | 12,324 | 12,335 | -- | -- | -- | -- |
| Solar Thermal and Photovoltaic ⁷ | 798 | 606 | 31.7 | 14 | 10 | 784 | 596 | -- | -- | -- | -- |
| Wind | 41,199 | 30,960 | 33.1 | 4,555 | 3,942 | 36,644 | 27,018 | -- | -- | -- | -- |
| Hydroelectric Pumped Storage | -5,657 | -6,331 | 10.6 | -4,609 | -4,897 | -1,047 | -1,434 | -- | -- | -- | -- |
| Other Energy Sources ⁸ | 9,763 | 11,128 | -12.3 | 527 | 517 | 5,993 | 5,646 | 683 | 703 | 2,560 | 4,262 |
| All Energy Sources | 3,771,908 | 3,810,454 | -1.0 | 2,272,582 | 2,295,500 | 1,366,781 | 1,376,257 | 7,696 | 7,588 | 124,850 | 131,110 |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | | | |
| Coal (1000 tons) ¹ | 955,801 | 955,432 | .0 | 695,421 | 698,261 | 252,735 | 252,148 | 430 | 330 | 7,215 | 4,693 |
| Petroleum Liquids (1000 bbls) ² | 48,802 | 77,709 | -37.2 | 34,997 | 54,065 | 11,794 | 21,120 | 148 | 231 | 1,863 | 2,294 |
| Petroleum Coke (1000 tons) | 4,869 | 5,509 | -11.6 | 2,139 | 2,590 | 2,421 | 2,448 | 1 | 1 | 308 | 469 |
| Natural Gas (1000 Mcf) ³ | 6,453,690 | 6,571,964 | -1.8 | 2,518,039 | 2,540,525 | 3,382,440 | 3,493,000 | 33,953 | 31,336 | 519,257 | 507,103 |
| Consumption of Fossil Fuels for Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ¹ | 19,872 | 20,769 | -4.3 | -- | -- | 3,963 | 3,457 | 1,535 | 1,414 | 14,375 | 15,899 |
| Petroleum Liquids (1000 bbls) ² | 5,973 | 12,496 | -52.2 | -- | -- | 653 | 1,207 | 216 | 391 | 5,103 | 10,898 |
| Petroleum Coke (1000 tons) | 991 | 1,158 | -14.4 | -- | -- | 117 | 150 | 7 | 10 | 866 | 998 |
| Natural Gas (1000 Mcf) ³ | 712,211 | 795,620 | -10.5 | -- | -- | 278,961 | 310,378 | 23,252 | 32,329 | 409,999 | 452,913 |
| Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ¹ | 975,673 | 976,201 | -1 | 695,421 | 698,261 | 256,698 | 255,605 | 1,965 | 1,743 | 21,589 | 20,592 |
| Petroleum Liquids (1000 bbls) ² | 54,775 | 90,204 | -39.3 | 34,997 | 54,065 | 12,447 | 22,326 | 364 | 621 | 6,967 | 13,192 |
| Petroleum Coke (1000 tons) | 5,860 | 6,667 | -12.1 | 2,139 | 2,590 | 2,538 | 2,598 | 8 | 11 | 1,174 | 1,467 |
| Natural Gas (1000 Mcf) ³ | 7,165,901 | 7,367,584 | -2.7 | 2,518,039 | 2,540,525 | 3,661,401 | 3,803,378 | 57,204 | 63,665 | 929,256 | 960,016 |

Retail Sales, Retail Revenue and Average Retail Price per Kilowatt-hour

| Items | Total U.S. Electric Power Industry | | | | | | | | |
|------------------------------|---|-----------|----------|----------------------------------|---------|----------|----------------------------------|-------|----------|
| | Retail Sales (Million kWh) ⁹ | | | Retail Revenue (Million Dollars) | | | Average Retail Price (Cents/kWh) | | |
| | 2008 | 2007 | % Change | 2008 | 2007 | % Change | 2008 | 2007 | % Change |
| Residential | 1,261,810 | 1,274,833 | -1.0 | 143,158 | 136,164 | 5.1 | 11.35 | 10.68 | 6.3 |
| Commercial ¹⁰ | 1,248,865 | 1,230,407 | 1.5 | 128,815 | 118,923 | 8.3 | 10.32 | 9.67 | 6.7 |
| Industrial ¹⁰ | 927,102 | 944,107 | -1.8 | 65,035 | 60,467 | 7.6 | 7.02 | 6.40 | 9.7 |
| Transportation ¹⁰ | 6,978 | 7,509 | -7.1 | 793 | 732 | 8.3 | 11.36 | 9.74 | 16.6 |
| All Sectors | 3,444,755 | 3,456,856 | -4 | 337,801 | 316,287 | 6.8 | 9.81 | 9.15 | 7.2 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Wood, black liquor, and other wood waste.

⁶ Biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

⁷ Solar thermal and photovoltaic energy.

⁸ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

⁹ Retail sales 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 for the calendar month while retail 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.

¹⁰ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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. See the Technical Notes (Appendix C) for further information. • 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 Renewables." • Values for 2007 are final. Values for 2008 are preliminary. Values from Forms EIA-826, EIA-906, and EIA-920 for 2007 and values from Form EIA-923 for 2008 are estimates based on samples - see Technical Notes for a discussion of the sample designs. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, 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;" 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 ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2008 and 2007

| November | | | | | | | | | | |
|--|------------------------------|----------|-------------------------------------|----------|-------------------------------|----------|------------------------------|-----------|-------------------------------------|----------|
| Total (All Sectors) | | | | | | | | | | |
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants ¹ | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Coal (1000 tons) ² | 89,253 | 86,153 | 42.40 | 35.26 | 482 | 465 | 969,085 | 964,967 | 40.92 | 35.43 |
| Petroleum Liquids (1000 barrels) ³ .. | 3,480 | 3,434 | 69.52 | 80.43 | 446 | 239 | 49,092 | 57,320 | 102.51 | 58.87 |
| Petroleum Coke (1000 tons) | 535 | 475 | 58.31 | 42.07 | 22 | 24 | 5,284 | 5,200 | 52.69 | 43.16 |
| Natural Gas (1000 Mcf) ⁴ | 530,597 | 490,634 | 6.66 | 7.30 | 1,061 | 795 | 6,993,369 | 6,658,021 | 9.59 | 7.25 |
| Electric Utilities | | | | | | | | | | |
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Coal (1000 tons) ² | 64,887 | 62,648 | 43.39 | 35.84 | 298 | 295 | 698,379 | 701,476 | 41.33 | 36.01 |
| Petroleum Liquids (1000 barrels) ³ .. | 2,014 | 2,063 | 75.06 | 80.99 | 240 | 120 | 33,340 | 32,778 | 102.54 | 57.86 |
| Petroleum Coke (1000 tons) | 290 | 254 | 67.88 | 47.07 | 8 | 10 | 2,639 | 2,783 | 59.61 | 49.69 |
| Natural Gas (1000 Mcf) ⁴ | 190,218 | 159,449 | 7.01 | 7.67 | 499 | 261 | 2,505,715 | 2,145,360 | 9.58 | 7.63 |
| Independent Power Producers | | | | | | | | | | |
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Coal (1000 tons) ² | 23,136 | 22,335 | 38.27 | 32.93 | 141 | 131 | 257,049 | 250,591 | 38.85 | 33.06 |
| Petroleum Liquids (1000 barrels) ³ .. | 1,145 | 1,054 | 63.45 | 82.16 | 166 | 87 | 11,716 | 19,393 | 106.53 | 62.80 |
| Petroleum Coke (1000 tons) | 200 | 169 | 36.09 | 28.80 | 11 | 9 | 2,056 | 1,796 | 35.67 | 28.92 |
| Natural Gas (1000 Mcf) ⁴ | 267,649 | 257,759 | 6.41 | 7.04 | 439 | 415 | 3,616,264 | 3,698,629 | 9.61 | 7.05 |
| Commercial Sector | | | | | | | | | | |
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Coal (1000 tons) ² | 36 | 42 | 85.12 | 62.48 | 3 | 3 | 444 | 497 | 73.96 | 62.84 |
| Petroleum Liquids (1000 barrels) ³ .. | 5 | 1 | 87.66 | 118.15 | 3 | 2 | 41 | 41 | 110.60 | 80.75 |
| Petroleum Coke (1000 tons) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Natural Gas (1000 Mcf) ⁴ | 1,811 | 1,720 | 8.79 | 7.83 | 8 | 8 | 19,717 | 20,904 | 10.01 | 8.08 |
| Industrial Sector | | | | | | | | | | |
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Coal (1000 tons) ² | 1,194 | 1,127 | 67.53 | 48.48 | 40 | 36 | 13,213 | 12,402 | 58.44 | 49.11 |
| Petroleum Liquids (1000 barrels) ³ .. | 316 | 316 | 55.91 | 70.94 | 37 | 30 | 3,995 | 5,108 | 90.35 | 50.23 |
| Petroleum Coke (1000 tons) | 45 | 53 | 95.55 | 60.43 | 3 | 5 | 588 | 621 | 81.16 | 55.04 |
| Natural Gas (1000 Mcf) ⁴ | 70,919 | 71,707 | 6.60 | 7.36 | 115 | 111 | 851,673 | 793,128 | 9.56 | 7.14 |

¹ Represents the number of plants for which receipts data were collected for this month. A plant using more than one fuel may be counted multiple times. The total numbers of electric power plants using coal, petroleum liquids, petroleum coke, and natural gas in the country as of January 1, 2007 are: 620; 1,542; 46; and 1,838 respectively.

² Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

³ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

⁴ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • Values for 2007 are final. Values for 2008 are preliminary. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" 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 ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2008 and 2007

| November | | | | | | | | | | |
|--------------------------------------|---------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|---------------------------|------------------|-------------------------------|------------------|
| Total (All Sectors) | | | | | | | | | | |
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants ¹ | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 |
| Coal ² | 1,763,843 | 1,710,779 | 2.15 | 1.78 | 482 | 465 | 19,255,576 | 19,377,696 | 2.06 | 1.76 |
| Petroleum Liquids ³ | 20,874 | 21,358 | 11.59 | 12.93 | 446 | 239 | 303,811 | 358,240 | 16.56 | 9.42 |
| Petroleum Coke..... | 15,202 | 13,588 | 2.05 | 1.47 | 22 | 24 | 150,196 | 148,073 | 1.85 | 1.51 |
| Natural Gas ⁴ | 544,678 | 503,318 | 6.49 | 7.11 | 1,061 | 795 | 7,180,538 | 6,839,889 | 9.34 | 7.06 |
| Fossil Fuels..... | 2,344,597 | 2,249,043 | 3.24 | 3.07 | 1,422 | 1,131 | 26,890,121 | 26,723,898 | 4.17 | 3.22 |

| Electric Utilities | | | | | | | | | | |
|--------------------------------------|---------------------------|------------------|-------------------------------|------------------|------------------|------------------|---------------------------|------------------|-------------------------------|------------------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 |
| Coal ² | 1,296,740 | 1,259,332 | 2.17 | 1.78 | 298 | 295 | 14,043,729 | 14,241,796 | 2.05 | 1.77 |
| Petroleum Liquids ³ | 12,071 | 13,121 | 12.52 | 12.73 | 240 | 120 | 208,138 | 208,509 | 16.43 | 9.10 |
| Petroleum Coke..... | 8,313 | 7,302 | 2.37 | 1.64 | 8 | 10 | 75,229 | 79,616 | 2.09 | 1.74 |
| Natural Gas ⁴ | 195,078 | 163,259 | 6.83 | 7.49 | 499 | 261 | 2,571,277 | 2,203,769 | 9.33 | 7.43 |
| Fossil Fuels..... | 1,512,201 | 1,443,013 | 2.86 | 2.53 | 713 | 472 | 16,898,373 | 16,733,691 | 3.34 | 2.61 |

| Independent Power Producers | | | | | | | | | | |
|--------------------------------------|---------------------------|------------------|-------------------------------|------------------|------------------|------------------|---------------------------|------------------|-------------------------------|------------------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 |
| Coal ² | 440,070 | 425,488 | 2.01 | 1.73 | 141 | 131 | 4,910,073 | 4,846,392 | 2.03 | 1.71 |
| Petroleum Liquids ³ | 6,824 | 6,253 | 10.65 | 13.85 | 166 | 87 | 70,569 | 118,384 | 17.69 | 10.29 |
| Petroleum Coke..... | 5,636 | 4,797 | 1.28 | 1.01 | 11 | 9 | 58,369 | 50,957 | 1.26 | 1.02 |
| Natural Gas ⁴ | 274,839 | 264,594 | 6.24 | 6.86 | 439 | 415 | 3,713,016 | 3,798,108 | 9.36 | 6.87 |
| Fossil Fuels..... | 727,370 | 701,133 | 3.69 | 3.77 | 569 | 524 | 8,752,026 | 8,813,841 | 5.26 | 4.04 |

| Commercial Sector | | | | | | | | | | |
|--------------------------------------|---------------------------|------------------|-------------------------------|------------------|------------------|------------------|---------------------------|------------------|-------------------------------|------------------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 |
| Coal ² | 879 | 978 | 3.49 | 2.69 | 3 | 3 | 10,572 | 11,633 | 3.10 | 2.68 |
| Petroleum Liquids ³ | 28 | 4 | 15.10 | 20.20 | 3 | 2 | 236 | 241 | 19.04 | 13.84 |
| Petroleum Coke..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Natural Gas ⁴ | 1,850 | 1,758 | 8.61 | 7.66 | 8 | 8 | 20,232 | 21,401 | 9.75 | 7.89 |
| Fossil Fuels..... | 2,757 | 2,740 | 7.04 | 5.90 | 10 | 9 | 31,040 | 33,275 | 7.56 | 6.11 |

| Industrial Sector | | | | | | | | | | |
|--------------------------------------|---------------------------|------------------|-------------------------------|------------------|------------------|------------------|---------------------------|------------------|-------------------------------|------------------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 | November 2008 | November 2007 |
| Coal ² | 26,154 | 24,981 | 3.08 | 2.19 | 40 | 36 | 291,202 | 277,876 | 2.65 | 2.19 |
| Petroleum Liquids ³ | 1,951 | 1,980 | 9.06 | 11.33 | 37 | 30 | 24,868 | 31,105 | 14.52 | 8.25 |
| Petroleum Coke..... | 1,253 | 1,489 | 3.40 | 2.14 | 3 | 5 | 16,598 | 17,499 | 2.87 | 1.95 |
| Natural Gas ⁴ | 72,911 | 73,707 | 6.42 | 7.16 | 115 | 111 | 876,014 | 816,610 | 9.30 | 6.94 |
| Fossil Fuels..... | 102,270 | 102,157 | 5.58 | 5.95 | 130 | 126 | 1,208,682 | 1,143,090 | 7.72 | 5.74 |

¹ Represents the number of plants for which receipts data were collected for this month. The total number of fossil fuel plants is not a sum of the figures above it because a plant that receives two or more different fuels is only counted once. The total number of electric power plants using coal, petroleum liquids, petroleum coke, and natural gas in the country as of January 1, 2007 are: 620; 1,542; 46; and 1,838 respectively.

² Anthracite, bituminous, subbituminous, lignite, waste coal, and coal syngas.

³ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

⁴ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • Values for 2007 are final. Values for 2008 are preliminary.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" 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 ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2008 - 2009

| Year/Month/Company | Producer Type | Plant | State | Plant ID | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|---|----------------|-----------------------------------|-------|----------|--------------------|--|---------------|-------------|
| New Units 2008 | | | | | | | | |
| January | | | | | | | | |
| Acciona Wind Energy USA LLC | IPP | Tatanka Wind Power LLC | ND | 56669 | TW1 | 180.0 | WND | WT |
| BC Energy LLC | IPP | BC Energy LLC | MN | 56624 | 1 | 4.0 | WND | WT |
| Black Hills Power Inc | Elect. Utility | Wygen 2 | WY | 56319 | 1 | 89.0 | SUB | ST |
| City of Columbus | Elect. Utility | Dodge Park 0007 | OH | 56423 | 7 | 2.0 | DFO | IC |
| City of Columbus | Elect. Utility | ST- 1A 0006 | OH | 56422 | 6 | 1.3 | DFO | IC |
| City of Columbus | Elect. Utility | ST-8 0005 | OH | 56421 | 5 | 2.0 | DFO | IC |
| FPL Energy Oliver County Wind II LLC | IPP | FPL Energy Oliver Wind II LLC | ND | 56573 | 2 | 48.0 | WND | WT |
| Harvest Windfarm LLC | IPP | Harvest Windfarm LLC | MI | 56635 | 1 | 52.8 | WND | WT |
| Iberdrola Renewable Energies USA | IPP | Top of Iowa Windfarm II | IA | 56383 | TOI2 | 80.0 | WND | WT |
| John Deere Wind 4 LLC | IPP | JD Wind 4 LLC | TX | 56560 | JDW4 | 79.8 | WND | WT |
| K&D Energy LLC | IPP | K&D Energy LLC | MN | 56626 | 1 | 4.0 | WND | WT |
| KC Energy LLC | IPP | KC Energy LLC | MN | 56625 | 1 | 4.0 | WND | WT |
| KSS Turbines LLC | IPP | KSS Turbines LLC | MN | 56627 | 1 | 4.0 | WND | WT |
| Mint Farm Energy Center LLC | IPP | Mint Farm Generation LLC | WA | 55700 | 1STG | 114.4 | NG | CA |
| Mint Farm Energy Center LLC | IPP | Mint Farm Generation LLC | WA | 55700 | CTG1 | 160.0 | NG | CT |
| P P M Energy Inc | IPP | MinnDakota Wind LLC | SD | 56459 | 2 | 150.0 | WND | WT |
| PacificCorp | Elect. Utility | Marengo Wind Plant | WA | 56466 | 2 | 70.2 | WND | WT |
| Prairie Wind Power LLC | IPP | Prairie Wind Power LLC | MN | 56628 | 1 | 4.0 | WND | WT |
| Smoky Hills Wind Farm LLC | IPP | Smoky Hills Windfarm | KS | 56488 | 1 | 100.8 | WND | WT |
| Southwestern Bell Telephone Co. | Commercial | Southwestern Bell Telephone | MO | 54858 | E/G5 | 2.7 | DFO | IC |
| US Geothermal Inc | IPP | Raft River Geothermal Power Plant | ID | 56317 | 1 | 16.7 | GEO | ST |
| Wind Capital Holdings LLC | IPP | Wind Capital Holdings LLC | MO | 56555 | 1 | 56.7 | WND | WT |
| February | | | | | | | | |
| Airtricity Inc | IPP | Airtricity Champion Wind Farm LLC | TX | 56592 | CH1 | 126.5 | WND | WT |
| Airtricity Inc | IPP | Airtricity Roscoe Wind Farm LLC | TX | 56593 | RO1 | 209.0 | WND | WT |
| Idaho Power Co | Elect. Utility | Evander Andrews Power Complex | ID | 7953 | 1 | 146.9 | NG | GT |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 1 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 10 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 11 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 12 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 13 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 14 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 15 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 16 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 17 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 18 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 2 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 3 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 4 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 5 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 6 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 7 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 8 | .3 | LFG | IC |
| Industrial Power Generating Company LLC | IPP | Pine Grove | PA | 56690 | 9 | .3 | LFG | IC |
| Invenergy Services LLC | IPP | Stanton Wind Energy LLC | TX | 56644 | 1 | 120.0 | WND | WT |
| Loess Hills Farm LLC | IPP | Loess Hills Wind Farm LLC | MO | 56538 | 1 | 5.0 | WND | WT |
| Madison Gas & Electric Co | Elect. Utility | Top of Iowa Windfarm III | IA | 56386 | TOI3 | 29.7 | WND | WT |
| Old Trail Wind Farm LLC | CHP | Old Trail Wind Farm | IL | 56614 | 2 | 198.0 | WND | WT |
| Ormat Nevada Inc | IPP | Galena 3 | NV | 56541 | GEN1 | 8.5 | GEO | BT |
| Ormat Nevada Inc | IPP | Galena 3 | NV | 56541 | GEN2 | 4.2 | GEO | BT |
| Public Service Co of Oklahoma | Elect. Utility | Southwestern | OK | 2964 | 4 | 73.5 | NG | GT |
| Public Service Co of Oklahoma | Elect. Utility | Southwestern | OK | 2964 | 5 | 73.5 | NG | GT |
| WM Renewable Energy LLC | IPP | Bethel | VA | 56531 | GEN1 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Bethel | VA | 56531 | GEN2 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Bethel | VA | 56531 | GEN3 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Bethel | VA | 56531 | GEN4 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Bethel | VA | 56531 | GEN5 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Bethel | VA | 56531 | GEN6 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Five Oaks Gas Recovery | IL | 56529 | GEN1 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Five Oaks Gas Recovery | IL | 56529 | GEN2 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Five Oaks Gas Recovery | IL | 56529 | GEN3 | .8 | LFG | IC |
| WM Renewable Energy LLC | IPP | Five Oaks Gas Recovery | IL | 56529 | GEN4 | .8 | LFG | IC |

Table ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2008 - 2009
(Continued)

| Year/Month/Company | Producer Type | Plant | State | Plant ID | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|--|----------------|------------------------------------|-------|----------|--------------------|--|---------------|-------------|
| New Units 2008 | | | | | | | | |
| March | | | | | | | | |
| Bethlehem Renewable Energy LLC | IPP | Bethlehem Renewable Energy LLC | PA | 56572 | 1 | 4.7 | LFG | GT |
| Bio-Energy Partners | IPP | High Acres Gas Recovery | NY | 50568 | GEN5 | 1.6 | LFG | IC |
| Bio-Energy Partners | IPP | High Acres Gas Recovery | NY | 50568 | GEN6 | 1.6 | LFG | IC |
| Bio-Energy Partners | IPP | High Acres Gas Recovery | NY | 50568 | GEN7 | 1.6 | LFG | IC |
| Bio-Energy Partners | IPP | High Acres Gas Recovery | NY | 50568 | GEN8 | 1.6 | LFG | IC |
| Shell Wind Energy Inc. | IPP | NedPower Mount Storm | WV | 56495 | MS1 | 164.0 | WND | WT |
| April | | | | | | | | |
| Capricorn Ridge Wind LLC | IPP | Capricorn Ridge Wind LLC | TX | 56763 | 3 | 186.0 | WND | WT |
| Cow Branch Wind Power LLC | IPP | Cow Branch Wind Power LLC | MO | 56536 | 1 | 50.4 | WND | WT |
| Edison Mission Energy | IPP | Forward Windpower LLC | PA | 56699 | 1 | 29.4 | WND | WT |
| Edison Mission Energy | IPP | Goat Wind LP | TX | 56754 | 1 | 80.0 | WND | WT |
| Invenergy Cannon Falls LLC | IPP | Cannon Falls Energy Center | MN | 56241 | UNT1 | 169.2 | NG | GT |
| Invenergy Cannon Falls LLC | IPP | Cannon Falls Energy Center | MN | 56241 | UNT2 | 169.2 | NG | GT |
| Madison Paper Industries Inc. | Industrial | Anson Abenaki Hydros | ME | 10186 | AB6 | 2.9 | WAT | HY |
| MidAmerican Energy Co. | Elect. Utility | Charles City | IA | 56677 | CCWF | 75.0 | WND | WT |
| South Oak Hospital | Commercial | South Oaks Hospital | NY | 50136 | CG1 | .2 | NG | IC |
| South Oak Hospital | Commercial | South Oaks Hospital | NY | 50136 | CG2 | .2 | NG | IC |
| South Oak Hospital | Commercial | South Oaks Hospital | NY | 50136 | CG3 | .2 | NG | IC |
| South Oak Hospital | Commercial | South Oaks Hospital | NY | 50136 | CG4 | .2 | NG | IC |
| South Oak Hospital | Commercial | South Oaks Hospital | NY | 50136 | CG5 | .2 | NG | IC |
| May | | | | | | | | |
| Capricorn Ridge Wind LLC | IPP | Capricorn Ridge Wind LLC | TX | 56763 | 4 | 112.5 | WND | WT |
| Edison Mission Energy | IPP | OWF Five LLC | MN | 56759 | 1 | 2.5 | WND | WT |
| Edison Mission Energy | IPP | OWF Four LLC | MN | 56758 | 1 | 2.5 | WND | WT |
| Edison Mission Energy | IPP | OWF Seven LLC | MN | 56761 | 1 | 2.5 | WND | WT |
| Edison Mission Energy | IPP | OWF Six LLC | MN | 56760 | 1 | 2.5 | WND | WT |
| Edison Mission Energy | IPP | OWF Two LLC | MN | 56756 | 1 | 2.5 | WND | WT |
| Edison Mission Energy | IPP | Odin Wind Farm | MN | 56755 | 1 | 2.5 | WND | WT |
| Florida Municipal Power Agency | Elect. Utility | Treasure Coast Energy Center | FL | 56400 | CC1 | 273.5 | NG | CC |
| Invenergy LLC | Elect. Utility | Grays Harbor Energy Facility | WA | 7999 | CT1 | 150.5 | NG | CT |
| Invenergy LLC | Elect. Utility | Grays Harbor Energy Facility | WA | 7999 | CT2 | 150.5 | NG | CT |
| Invenergy LLC | Elect. Utility | Grays Harbor Energy Facility | WA | 7999 | ST1 | 258.0 | NG | CA |
| Noble Wind Operations LLC | IPP | Noble Bliss Windpark LLC | NY | 56620 | 1 | 100.5 | WND | WT |
| Noble Wind Operations LLC | IPP | Noble Clinton Windpark LLC | NY | 56618 | 1 | 100.5 | WND | WT |
| Noble Wind Operations LLC | IPP | Noble Ellenburg Windpark LLC | NY | 56619 | 1 | 81.0 | WND | WT |
| Northern States Power Co. | Elect. Utility | High Bridge | MN | 1912 | 7 | 169.2 | NG | CC |
| Northern States Power Co. | Elect. Utility | High Bridge | MN | 1912 | 8 | 169.2 | NG | CC |
| Northern States Power Co. | Elect. Utility | High Bridge | MN | 1912 | 9 | 215.0 | NG | CC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G01 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G02 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G03 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G04 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G05 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G06 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G07 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G08 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G09 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G10 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G11 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G12 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G13 | 5.6 | NG | IC |
| Plains End Operating Services LLC | IPP | Plains End II LLC | CO | 56516 | 2G14 | 5.6 | NG | IC |
| Southern Power Co. | IPP | H Allen Franklin Combined Cycle | AL | 7710 | CT3A | 174.7 | NG | CT |
| Southern Power Co. | IPP | H Allen Franklin Combined Cycle | AL | 7710 | CT3B | 174.7 | NG | CT |
| Southern Power Co. | IPP | H Allen Franklin Combined Cycle | AL | 7710 | ST3 | 242.4 | NG | CA |
| Unisource Energy Development Company | IPP | Black Mountain Generating Station | AZ | 56482 | 1 | 40.8 | NG | GT |
| Unisource Energy Development Company | IPP | Black Mountain Generating Station | AZ | 56482 | 2 | 40.8 | NG | GT |
| Valencia Power LLC | IPP | Valencia Energy Facility | NM | 55802 | CTG1 | 135.6 | NG | GT |
| Westar Energy Inc. | Elect. Utility | Emporia Energy Center | KS | 56502 | 3 | 34.0 | NG | GT |
| Westar Energy Inc. | Elect. Utility | Emporia Energy Center | KS | 56502 | 4 | 34.0 | NG | GT |
| Wisconsin Electric Power Co. | Elect. Utility | Blue Sky Green Field Wind Project | WI | 56391 | 1 | 145.2 | WND | WT |
| Wisconsin Electric Power Co. | Elect. Utility | Port Washington Generating Station | WI | 4040 | 1CT1 | 143.6 | NG | CT |

**Table ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2008 - 2009
(Continued)**

| Year/Month/Company | Producer Type | Plant | State | Plant ID | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|--|----------------|------------------------------------|-------|----------|--------------------|--|---------------|-------------|
| New Units 2008 | | | | | | | | |
| Wisconsin Electric Power Co | Elect. Utility | Port Washington Generating Station | WI | 4040 | 1CT2 | 143.6 | NG | CT |
| Wisconsin Electric Power Co | Elect. Utility | Port Washington Generating Station | WI | 4040 | ST1 | 231.3 | NG | CA |
| Year-to-Date Capacity of New Units..... | -- | -- | -- | -- | -- | 6,587.3 | -- | -- |
| Year-to-Date U.S. Capacity..... | -- | -- | -- | -- | -- | 1,001,475.3 | -- | -- |
| Planned | | | | | | | | |
| 2008. | | | | | | | | |
| June | -- | -- | -- | -- | -- | 3,658 | | |
| July | -- | -- | -- | -- | -- | 612 | | |
| August | -- | -- | -- | -- | -- | 1,194 | | |
| September..... | -- | -- | -- | -- | -- | 163 | | |
| October..... | -- | -- | -- | -- | -- | 207 | | |
| November..... | -- | -- | -- | -- | -- | 110 | | |
| December | -- | -- | -- | -- | -- | 1,656 | | |
| 2009. | | | | | | | | |
| January | -- | -- | -- | -- | -- | 1,205 | | |
| February | -- | -- | -- | -- | -- | 42 | | |
| March | -- | -- | -- | -- | -- | 774 | | |
| April | -- | -- | -- | -- | -- | 1,837 | | |

¹ Net summer capacity is estimated.

Notes: • See Glossary for definitions. • Totals may not equal sum of components because of independent rounding. • Descriptions for the Energy Source and Prime Mover codes listed in the table can be obtained from the Form EIA-860 instructions at the following link: <http://www.eia.doe.gov/cneaf/electricity/forms/eia860/eia860.pdf>

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report" and Form EIA-860M, "Monthly Update to the Annual Electric Generator Report."

Table ES4. Plants Sold and Transferred in 2006, 2007 and 2008

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|--|----------------------------------|-------|--------------|---------------------------------|---------------------|--------------------------|--|
| | | | | Plant Total | Sold or Transferred | | |
| Cincinnati Gas & Electric Co | East Bend | KY | 6018 | 600 | 414 | January 01, 2006 | Union Light Heat & Power |
| Cincinnati Gas & Electric Co | Miami Fort Unit 6 | OH | 2832 | 163 | 163 | January 01, 2006 | Union Light Heat & Power |
| Cincinnati Gas & Electric Co | Woodsdale | OH | 7158 | 462 | 462 | January 01, 2006 | Union Light Heat & Power |
| Pinnacle West Capital | Silverhawk | NV | 55841 | 570 | 428 | January 10, 2006 | Nevada Power |
| Interstate Power and Light | Duane Arnold | IA | 1060 | 597 | 418 | January 27, 2006 | FPL Energy LLC |
| National Energy Group | Chula Vista | CA | 55538 | 34 | 34 | January 31, 2006 | MMC Energy |
| National Energy Group | Escondido | CA | 55540 | 34 | 34 | January 31, 2006 | MMC Energy |
| Texas GenCo Holdings | Cedar Bayou | TX | 3460 | 2,258 | 2,258 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | Deepwater | TX | 3461 | 174 | 174 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | Greens Bayou | TX | 3464 | 760 | 760 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | HO Clarke | TX | 3465 | 78 | 78 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | Limestone | TX | 298 | 1,602 | 1,602 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | PH Robinson | TX | 3466 | 2,211 | 2,211 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | Sam Bertron | TX | 3468 | 844 | 844 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | San Jacinto | TX | 7325 | 162 | 162 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | South Texas Project | TX | 6251 | 2,560 | 1,126 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | TH Wharton | TX | 3469 | 1,254 | 1,254 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | WA Parish | TX | 3470 | 3,653 | 3,653 | February 02, 2006 | NRG Energy, Inc. |
| Texas GenCo Holdings | Webster | TX | 3471 | 387 | 387 | February 02, 2006 | NRG Energy, Inc. |
| Reliant | Astoria | NY | 8906 | 1,290 | 1,290 | February 24, 2006 | Madison Dearborn Partners & US Power Gen |
| Reliant | Gowanus | NY | 2494 | 546 | 546 | February 24, 2006 | Madison Dearborn Partners & US Power Gen |
| Reliant | Narrows | NY | 2499 | 279 | 279 | February 24, 2006 | Madison Dearborn Partners & US Power Gen |
| NRG Energy | Audrain | MO | 55234 | 640 | 640 | March 29, 2006 | Ameren |
| Central Mississippi Generating Company | Attala | MS | 55220 | 500 | 500 | March 31, 2006 | Entergy |
| North American Power Group | San Joaquin Cogen | CA | 50062 | 46 | 46 | April 19, 2006 | MDU Resources Group |
| Duke Energy | Arlington Valley | AZ | 55282 | 580 | 580 | May 05, 2006 | LS Power |
| Duke Energy | Bridgeport Energy | CT | 55042 | 454 | 304 | May 05, 2006 | LS Power |
| Duke Energy | Griffith Energy | AZ | 55124 | 588 | 294 | May 05, 2006 | LS Power |
| Duke Energy | Maine Independence | ME | 55068 | 490 | 490 | May 05, 2006 | LS Power |
| Duke Energy | Morro Bay | CA | 259 | 1,036 | 1,036 | May 05, 2006 | LS Power |
| Duke Energy | Moss Landing | CA | 260 | 2,080 | 2,080 | May 05, 2006 | LS Power |
| Duke Energy | Oakland Power Plant | CA | 6211 | 158 | 158 | May 05, 2006 | LS Power |
| Duke Energy | South Bay | CA | 55185 | 707 | 707 | May 05, 2006 | LS Power |
| Mirant Wichita Falls LP | Mirant Wichita Falls LP | TX | 50127 | 77 | 77 | May 05, 2006 | Signal Hill Power LLC |
| Peoples Energy | Southeast Chicago Energy Project | IL | 55281 | 304 | 90 | May 15, 2006 | Exelon |
| Progress Ventures | DeSoto County Plant | FL | 55422 | 313 | 313 | June 01, 2006 | Southern Power |
| PPL Corporation | Griffith Energy | AZ | 55124 | 588 | 294 | June 30, 2006 | LS Power |
| Sempra Energy Partners | Barney M Davis | TX | 4939 | 697 | 349 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners | J L Bates | TX | 3438 | 182 | 91 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners | La Palma | TX | 3442 | 255 | 128 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners | Laredo | TX | 3439 | 178 | 89 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners | Lon C Hill | TX | 3440 | 559 | 280 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners | Nueces Bay | TX | 3441 | 559 | 280 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners | Victoria | TX | 3443 | 491 | 246 | July 10, 2006 | Carlyle/Riverstone Global Energy and Pow |
| Sempra Energy Partners; Carlyle/Riversto | Coletto Creek | TX | 6178 | 600 | 600 | July 10, 2006 | International Power PLC |
| Atlantic City Electric | Conemaugh | PA | 3118 | 1,700 | 65 | September 01, 2006 | Duquesne Light Holdings |
| Atlantic City Electric | Keystone | PA | 3136 | 1,700 | 42 | September 01, 2006 | Duquesne Light Holdings |
| Progress Ventures | Rowan | NC | 7826 | 978 | 978 | September 05, 2006 | Southern Power |
| ONEOK | Spring Creek | OK | 55651 | 280 | 280 | October 31, 2006 | Westar |
| Northeast Utilities | Bulls Ridge | CT | 541 | 8 | 8 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Cabot | MA | 1629 | 62 | 62 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Falls Village | CT | 560 | 10 | 10 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Mt. Tom | MA | 1606 | 144 | 144 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Northfield Mountain | MA | 547 | 1,080 | 1,080 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Rocky River | CT | 539 | 29 | 29 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Scotland | CT | 551 | 2 | 2 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Shepaug | CT | 552 | 42 | 42 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Stevenson | CT | 553 | 28 | 28 | November 01, 2006 | Energy Capital Partners |

Table ES4. Plants Sold and Transferred in 2006, 2007 and 2008

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|------------------------------|--|-------|--------------|---------------------------------|---------------------|--------------------------|--|
| | | | | Plant Total | Sold or Transferred | | |
| Northeast Utilities | Taftville | CT | 554 | 2 | 2 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Tunnel | CT | 557 | 17 | 17 | November 01, 2006 | Energy Capital Partners |
| Northeast Utilities | Turners Falls | MA | 6388 | 6 | 6 | November 01, 2006 | Energy Capital Partners |
| Dynegy | Rockingham Power | NC | 55116 | 775 | 775 | November 10, 2006 | Duke Energy Carolinas |
| Consumers Energy | Midland Cogeneration | MI | 10745 | 1,833 | 641 | November 21, 2006 | GSO Capital Partners and Rockland Capital Energy Investments |
| American Electric Power | Plaquemine | LA | 55419 | 844 | 844 | December 01, 2006 | Dow Chemical |
| Constellation Energy | Big Sandy | WV | 55284 | 300 | 300 | December 15, 2006 | Tenaska |
| Constellation Energy | High Desert | CA | 55518 | 780 | 780 | December 15, 2006 | Tenaska |
| Constellation Energy | Holland Energy | IL | 55334 | 449 | 449 | December 15, 2006 | Tenaska |
| Constellation Energy | Rio Nogales | TX | 55137 | 705 | 705 | December 15, 2006 | Tenaska |
| Constellation Energy | University Park | IL | 55250 | 300 | 300 | December 15, 2006 | Tenaska |
| Constellation Energy | Wolf Hills | VA | 55285 | 250 | 250 | December 15, 2006 | Tenaska |
| Gamesa | Mendota Hills | IL | 56160 | 50 | 50 | January 03, 2007 | Babcock and Brown |
| NRG Energy | Chowchilla II | CA | 56185 | 47 | 47 | January 03, 2007 | Wayzata Investment Partners |
| NRG Energy | Red Bluff | CA | 56184 | 45 | 45 | January 03, 2007 | Wayzata Investment Partners |
| Calpine Corp | Aries Power Project | MO | 55178 | 620 | 620 | January 16, 2007 | Kelson Holdings |
| Peoples Energy | Elwood | IL | 55199 | 1,350 | 675 | January 17, 2007 | J-Power |
| WPS Energy Services | WPS Power Niagara | NY | 50202 | 53 | 53 | January 31, 2007 | US Renewables Group |
| Atlantic City Electric | BL England | NJ | 2378 | 447 | 447 | February 09, 2007 | Rockland Capital Energy Investments |
| American Electric Power | Oklaunion | TX | 127 | 690 | 25 | February 15, 2007 | Brownsville Public Utility Board |
| Dominion Energy | Armstrong | PA | 55347 | 584 | 584 | March 05, 2007 | Tenaska and Warburg Pincus |
| Dominion Energy | Pleasants | WV | 55349 | 392 | 392 | March 05, 2007 | Tenaska and Warburg Pincus |
| Dominion Energy | Troy | OH | 55348 | 584 | 584 | March 05, 2007 | Tenaska and Warburg Pincus |
| Calpine Corp | Goldendale Energy Center | WA | 55482 | 220 | 220 | March 21, 2007 | Puget Sound Energy |
| Consumers Energy | Palisades | MI | 1715 | 778 | 778 | April 11, 2007 | Entergy |
| DPL Energy | Darby | OH | 55247 | 452 | 452 | April 25, 2007 | Columbus Southern Power |
| DPL Energy | Greenville Electric Generating Station | OH | 55228 | 176 | 176 | April 25, 2007 | Buckeye Power |
| Mirant | Apex | NV | 55514 | 494 | 494 | May 01, 2007 | LS Power |
| Mirant | Bosque | TX | 55172 | 548 | 548 | May 01, 2007 | LS Power |
| Mirant | Shady Hills | FL | 55414 | 468 | 468 | May 01, 2007 | LS Power |
| Mirant | Sugar Creek | IN | 55364 | 521 | 521 | May 01, 2007 | LS Power |
| Mirant | West Georgia | GA | 55267 | 762 | 762 | May 01, 2007 | LS Power |
| Mirant | Zealand | MI | 55087 | 770 | 770 | May 01, 2007 | LS Power |
| PSEG | Lawrenceburg Energy Center | IN | 55502 | 1,082 | 1,082 | May 17, 2007 | AEP |
| Algonquin Power | EKS Landfill | MN | 54939 | 4 | 4 | June 30, 2007 | WM Renewable Energy |
| FirstEnergy | Bruce Mansfield | PA | 6094 | 2,460 | 830 | July 13, 2007 | AIG Financial Products and Union Bank of California |
| KeySpan | EF Barrett | NY | 2511 | 690 | 690 | August 24, 2007 | National Grid |
| KeySpan | East Hampton | NY | 2512 | 24 | 24 | August 24, 2007 | National Grid |
| KeySpan | Far Rockaway | NY | 2513 | 111 | 111 | August 24, 2007 | National Grid |
| KeySpan | Glenwood | NY | 2514 | 339 | 339 | August 24, 2007 | National Grid |
| KeySpan | Holtsville | NY | 8007 | 524 | 524 | August 24, 2007 | National Grid |
| KeySpan | Landing | NY | 7869 | 94 | 94 | August 24, 2007 | National Grid |
| KeySpan | Montauk | NY | 2515 | 5 | 5 | August 24, 2007 | National Grid |
| KeySpan | Northport | NY | 2516 | 1,565 | 1,565 | August 24, 2007 | National Grid |
| KeySpan | Port Jefferson | NY | 2517 | 559 | 559 | August 24, 2007 | National Grid |
| KeySpan | Ravenswood | NY | 2500 | 2,324 | 2,324 | August 24, 2007 | National Grid |
| KeySpan | Shoreham | NY | 2518 | 64 | 64 | August 24, 2007 | National Grid |
| KeySpan | South Hampton | NY | 2519 | 7 | 7 | August 24, 2007 | National Grid |
| KeySpan | Southold | NY | 2520 | 12 | 12 | August 24, 2007 | National Grid |
| KeySpan | Wading River | NY | 7146 | 241 | 241 | August 24, 2007 | National Grid |
| KeySpan | West Babylon | NY | 2521 | 49 | 49 | August 24, 2007 | National Grid |
| Calpine | Acadia | LA | 55173 | 1,063 | 532 | September 13, 2007 | Cajun Gas Energy |
| American Electric Power | Sweeny | TX | 55015 | 480 | 240 | October 01, 2007 | ConocoPhillips |
| Wisconsin Electric Power | Point Beach | WI | 4046 | 1,041 | 1,041 | October 01, 2007 | FPL Energy LLC |
| City of Klamath Falls | Klamath Cogeneration Plant | OR | 55103 | 470 | 470 | December 05, 2007 | PPM Energy |
| Algonquin Power | Colton Landfill | CA | 56167 | 1 | 1 | December 21, 2007 | Fortistar |
| Algonquin Power | Mid Valley Landfill | CA | 56170 | 3 | 3 | December 21, 2007 | Fortistar |
| Algonquin Power | Milliken Landfill | CA | 56171 | 2 | 2 | December 21, 2007 | Fortistar |
| Algonquin Power | Prima Desheha Landfill | CA | 55601 | 5 | 5 | December 21, 2007 | Fortistar |
| Algonquin Power | Tajiguas Landfill | CA | 55603 | 3 | 3 | December 21, 2007 | Fortistar |
| Algonquin Power Income Fund | Four Hills Nashua Landfill | NH | 55006 | 3 | 3 | December 21, 2007 | Fortistar |
| Duke Energy Indiana | Wabash River | IN | 1010 | 950 | 274 | January 01, 2008 | Wabash Valley Power Association |
| Tenaska | Commonwealth Chesapeake | VA | 55381 | 312 | 312 | February 15, 2008 | Tyr Energy |
| Dynegy | Calcasieu | LA | 55165 | 310 | 310 | April 01, 2008 | Entergy Gulf States |
| Duke Energy | Brownsville Peaking Power | TN | 55081 | 450 | 450 | April 11, 2008 | TVA |
| Jersey Central Power & Light | Forked River | NJ | 7138 | 66 | 66 | April 17, 2008 | Maxim |
| GE Energy Financial Services | Birchwood Power | VA | 54304 | 238 | 118 | May 09, 2008 | J-Power |
| Southaven Operating Services | Southaven Power | MS | 55269 | 759 | 759 | May 09, 2008 | TVA |

Table ES4. Plants Sold and Transferred in 2006, 2007 and 2008

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|-------------------------------------|-------------------------------------|-------|--------------|---------------------------------|---------------------|--------------------------|-------------------------------------|
| | | | | Plant Total | Sold or Transferred | | |
| SCS Energy | Astoria | NY | 55375 | 312 | 95 | May 26, 2008 | Suez Energy International |
| LS Power | Sugar Creek Energy | IN | 55364 | 521 | 521 | June 23, 2008 | Northern Indiana Public Service |
| NiSource | Whiting Clean Energy | IN | 55259 | 547 | 547 | July 01, 2008 | BP Alternative Energy North America |
| Black Hills | Arapahoe Combustion Turbine Project | CO | 55200 | 123 | 123 | July 28, 2008 | Hastings Funds management and IIF |
| Black Hills | Fountain Valley | CO | 55453 | 234 | 234 | July 28, 2008 | BH Investment |
| Black Hills | Harbor Cogeneration | CA | 50541 | 102 | 102 | July 28, 2008 | Hastings Funds Management and IIF |
| Black Hills | Las Vegas Cogeneration | NV | 10761 | 50 | 50 | July 28, 2008 | BH Investment |
| Black Hills | Las Vegas Cogeneration II | NV | 55952 | 220 | 220 | July 28, 2008 | Hastings Funds Management and IIF |
| Black Hills | Valmont Combustion Turbine Project | CO | 55207 | 80 | 80 | July 28, 2008 | BH Investment |
| Sumas Cogeneration | Sumas Power Plant | WA | 54476 | 126 | 126 | July 28, 2008 | Hastings Funds management and IIF |
| Tenaska | Armstrong | PA | 55347 | 584 | 584 | July 30, 2008 | International Power |
| Tenaska | Calumet | IL | 50166 | 329 | 329 | July 30, 2008 | International Power |
| Tenaska | Pleasants | WV | 55349 | 292 | 292 | July 30, 2008 | International Power |
| Tenaska | Troy | OH | 55348 | 584 | 584 | July 30, 2008 | International Power |
| Dynegy | Rolling Hills | OH | 55401 | 825 | 825 | August 01, 2008 | Tenaska |
| Pittsfield Generating Company | Pittsfield Generating | MA | 50002 | 141 | 141 | August 06, 2008 | Maxim |
| National Grid | Ravenswood | NY | 2500 | 2,318 | 2,318 | August 26, 2008 | TransCanada |
| Suez Energy North America | Chehalis Generating Facility | WA | 55662 | 495 | 495 | September 16, 2008 | PacifiCorp |
| Kelson Hodings | Redbud | OK | 55463 | 1,144 | 1,144 | September 29, 2008 | Oklahoma Gas & Electric |
| GE Energy Services | Fox Energy Center | WI | 56031 | 600 | 300 | Pending | Tyr Energy |
| Black Hills | Wygen I | WY | 55479 | 70 | 16 | Pending | Municipal Energy Agency of Nebraska |
| Mach Gen LLC | Covert Generating Project | MI | 55297 | 1,058 | 1,058 | Pending | Tenaska |
| Reliant | Bighorn Generating Station | NV | 55687 | 570 | 570 | Pending | Nevada Power |

Notes: • The "Transaction Closing Date" is estimated based on press reports and Security and Exchange Commission filings. • The "Capacity Sold or Transferred" values are based on a combination of capacity data in the EIA-860 data files, press reports and Security and Exchange Commission filings, and may not exactly match transaction values shown in other sources. • A power plant may appear more than once on this list due to involvement in multiple transactions, such as the sale of different shares of the plant at different points in time. • Data are preliminary. Final data for the year are to be released in the Form EIA-860 annual databases.

Source: Press reports; filings with the Security and Exchange Commission; Energy Information Administration, Form EIA-860 "Annual Electric Generator Report" data files.

Chapter 1. Net Generation

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 1994 through November 2008
(Thousand Megawatthours)

| Period | Coal ¹ | Petroleum Liquids ² | Petroleum Coke | Natural Gas | Other Gases ³ | Nuclear | Hydroelectric Conventional | Other Renewables ⁴ | Hydroelectric Pumped Storage | Other ⁵ | Total |
|---|-------------------|--------------------------------|----------------|----------------|--------------------------|----------------|----------------------------|-------------------------------|------------------------------|--------------------|------------------|
| 1994..... | 1,690,694 | 98,440 | 7,461 | 460,219 | 13,319 | 640,440 | 260,126 | 76,535 | -3,378 | 3,667 | 3,247,522 |
| 1995..... | 1,709,426 | 66,944 | 7,610 | 496,058 | 13,870 | 673,402 | 310,833 | 73,965 | -2,725 | 4,104 | 3,353,487 |
| 1996..... | 1,795,196 | 73,521 | 7,890 | 455,056 | 14,356 | 674,729 | 347,162 | 75,796 | -3,088 | 3,571 | 3,444,188 |
| 1997..... | 1,845,016 | 82,773 | 9,782 | 479,399 | 13,351 | 628,644 | 356,453 | 77,183 | -4,040 | 3,612 | 3,492,172 |
| 1998..... | 1,873,516 | 116,859 | 11,941 | 531,257 | 13,492 | 673,702 | 323,336 | 77,088 | -4,467 | 3,571 | 3,620,295 |
| 1999..... | 1,881,087 | 107,276 | 10,785 | 556,396 | 14,126 | 728,254 | 319,536 | 79,423 | -6,097 | 4,024 | 3,694,810 |
| 2000..... | 1,966,265 | 102,160 | 9,061 | 601,038 | 13,955 | 753,893 | 275,573 | 80,906 | -5,539 | 4,794 | 3,802,105 |
| 2001..... | 1,903,956 | 114,647 | 10,233 | 639,129 | 9,039 | 768,826 | 216,961 | 70,769 | -8,823 | 11,906 | 3,736,644 |
| 2002..... | 1,933,130 | 78,701 | 15,867 | 691,006 | 11,463 | 780,064 | 264,329 | 79,109 | -8,743 | 13,527 | 3,858,452 |
| 2003..... | 1,973,737 | 102,734 | 16,672 | 649,908 | 15,600 | 763,733 | 275,806 | 79,487 | -8,535 | 14,045 | 3,883,185 |
| 2004..... | 1,978,301 | 100,391 | 20,754 | 710,100 | 15,252 | 788,528 | 268,417 | 83,067 | -8,488 | 14,232 | 3,970,555 |
| 2005..... | 2,012,873 | 99,840 | 22,385 | 760,960 | 13,464 | 781,986 | 270,321 | 87,329 | -6,558 | 12,821 | 4,055,423 |
| 2006 | | | | | | | | | | | |
| January..... | 169,236 | 4,246 | 1,890 | 43,807 | 1,157 | 71,912 | 27,437 | 8,435 | -533 | 1,072 | 328,658 |
| February..... | 158,616 | 3,257 | 1,667 | 47,409 | 1,114 | 62,616 | 24,762 | 7,374 | -447 | 966 | 307,333 |
| March..... | 161,325 | 2,407 | 1,607 | 54,922 | 1,234 | 63,721 | 24,625 | 8,199 | -435 | 1,127 | 318,730 |
| April..... | 141,426 | 3,039 | 1,651 | 56,091 | 1,180 | 57,567 | 28,556 | 7,860 | -587 | 1,075 | 297,858 |
| May..... | 157,010 | 2,902 | 1,518 | 65,586 | 1,295 | 62,776 | 30,818 | 8,036 | -444 | 1,119 | 330,616 |
| June..... | 169,693 | 4,060 | 1,706 | 81,060 | 1,167 | 68,391 | 29,757 | 7,782 | -423 | 1,065 | 364,260 |
| July..... | 187,821 | 5,121 | 1,881 | 108,094 | 1,267 | 72,186 | 25,439 | 8,121 | -638 | 1,127 | 410,421 |
| August..... | 189,455 | 6,571 | 1,788 | 106,592 | 1,292 | 72,016 | 21,728 | 7,894 | -695 | 1,121 | 407,763 |
| September..... | 161,590 | 3,043 | 1,602 | 72,673 | 1,153 | 66,642 | 17,201 | 7,720 | -629 | 1,058 | 332,055 |
| October..... | 161,390 | 3,354 | 1,538 | 70,640 | 1,185 | 57,509 | 17,055 | 8,295 | -507 | 1,107 | 321,567 |
| November..... | 159,440 | 3,355 | 1,392 | 53,440 | 1,065 | 61,392 | 20,272 | 8,304 | -553 | 1,052 | 309,159 |
| December..... | 173,509 | 3,105 | 1,466 | 56,128 | 1,068 | 70,490 | 21,596 | 8,505 | -667 | 1,084 | 336,283 |
| Total..... | 1,990,511 | 44,460 | 19,706 | 816,441 | 14,177 | 787,219 | 289,246 | 96,525 | -6,558 | 12,974 | 4,064,702 |
| 2007 | | | | | | | | | | | |
| January..... | 175,739 | 4,420 | 1,574 | 61,475 | 1,154 | 74,006 | 26,045 | 8,668 | -572 | 1,022 | 353,531 |
| February..... | 163,603 | 7,596 | 1,287 | 57,622 | 981 | 65,225 | 18,567 | 7,877 | -447 | 919 | 323,230 |
| March..... | 159,811 | 4,118 | 1,297 | 56,204 | 1,234 | 64,305 | 24,163 | 8,778 | -458 | 1,018 | 320,471 |
| April..... | 146,250 | 3,830 | 1,250 | 60,153 | 1,163 | 57,301 | 23,891 | 8,693 | -374 | 972 | 303,129 |
| May..... | 157,513 | 3,489 | 1,384 | 66,470 | 1,175 | 65,025 | 26,047 | 8,621 | -547 | 1,026 | 330,203 |
| June..... | 173,513 | 4,213 | 1,564 | 81,511 | 1,154 | 68,923 | 22,817 | 8,549 | -523 | 1,034 | 362,755 |
| July..... | 185,054 | 4,125 | 1,369 | 97,483 | 1,154 | 72,739 | 22,478 | 8,371 | -595 | 1,049 | 393,226 |
| August..... | 190,135 | 5,702 | 1,485 | 121,338 | 1,132 | 72,751 | 19,941 | 8,895 | -651 | 1,070 | 421,797 |
| September..... | 169,391 | 3,647 | 1,289 | 88,532 | 1,120 | 67,579 | 14,743 | 8,843 | -743 | 995 | 355,394 |
| October..... | 162,234 | 3,558 | 1,189 | 78,358 | 1,134 | 61,690 | 14,796 | 9,362 | -760 | 1,055 | 332,615 |
| November..... | 159,382 | 2,001 | 1,135 | 60,637 | 1,031 | 64,899 | 15,682 | 9,029 | -662 | 967 | 314,103 |
| December..... | 173,830 | 2,803 | 1,412 | 66,808 | 1,022 | 71,983 | 18,342 | 9,553 | -565 | 1,103 | 346,290 |
| Total..... | 2,016,456 | 49,505 | 16,234 | 896,590 | 13,453 | 806,425 | 247,510 | 105,238 | -6,896 | 12,231 | 4,156,745 |
| 2008 | | | | | | | | | | | |
| January..... | 182,579 | 3,136 | 1,313 | 72,090 | 1,249 | 70,686 | 22,358 | 9,647 | -754 | 962 | 363,268 |
| February..... | 167,000 | 2,427 | 1,200 | 59,902 | 1,126 | 64,936 | 20,234 | 8,679 | -375 | 778 | 325,906 |
| March..... | 161,102 | 2,135 | 977 | 60,904 | 1,611 | 64,683 | 22,907 | 9,935 | -522 | 976 | 324,706 |
| April..... | 147,249 | 2,166 | 1,082 | 60,870 | 1,460 | 57,281 | 22,106 | 10,178 | -98 | 1,160 | 303,455 |
| May..... | 156,098 | 2,260 | 1,005 | 61,350 | 1,358 | 64,794 | 28,239 | 10,285 | -587 | 895 | 325,697 |
| June..... | 171,287 | 3,789 | 1,193 | 84,075 | 1,323 | 70,268 | 30,803 | 10,357 | -372 | 908 | 373,632 |
| July..... | 187,377 | 3,006 | 1,126 | 99,535 | 1,437 | 74,266 | 25,873 | 9,405 | -799 | 914 | 402,139 |
| August..... | 181,313 | 2,521 | 1,206 | 98,034 | 1,440 | 72,573 | 20,651 | 8,780 | -648 | 892 | 386,760 |
| September..... | 162,207 | 2,994 | 1,119 | 77,490 | 791 | 67,003 | 16,530 | 8,172 | -513 | 791 | 336,584 |
| October..... | 152,925 | 1,859 | 1,305 | 72,515 | 771 | 62,793 | 16,436 | 9,754 | -497 | 751 | 318,613 |
| November..... | 155,002 | 2,097 | 1,075 | 61,461 | 686 | 63,408 | 17,081 | 10,092 | -492 | 736 | 311,146 |
| Total..... | 1,824,137 | 28,390 | 12,600 | 808,226 | 13,253 | 732,692 | 243,220 | 105,284 | -5,657 | 9,763 | 3,771,908 |
| Year-to-Date | | | | | | | | | | | |
| 2006..... | 1,817,002 | 41,355 | 18,241 | 760,313 | 13,108 | 716,729 | 267,650 | 88,021 | -5,891 | 11,890 | 3,728,419 |
| 2007..... | 1,842,626 | 46,702 | 14,822 | 829,782 | 12,431 | 734,442 | 229,168 | 95,685 | -6,331 | 11,128 | 3,810,454 |
| 2008..... | 1,824,137 | 28,390 | 12,600 | 808,226 | 13,253 | 732,692 | 243,220 | 105,284 | -5,657 | 9,763 | 3,771,908 |
| Rolling 12 Months Ending in November | | | | | | | | | | | |
| 2007..... | 2,016,135 | 49,806 | 16,288 | 885,910 | 13,499 | 804,932 | 250,764 | 104,189 | -6,998 | 12,212 | 4,146,738 |
| 2008..... | 1,997,967 | 31,193 | 14,012 | 875,034 | 14,275 | 804,674 | 261,561 | 114,837 | -6,222 | 10,866 | 4,118,198 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

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 Renewables." Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed, and at plants that utilize multiple fuels, may have resulted in a reallocation of the total plant generation across those fuels. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 1.1.A. Net Generation by Other Renewables: Total (All Sectors), 1994 through November 2008
(Thousand Megawatthours)

| Period | Wind | Solar Thermal and Photovoltaic | Wood and Wood-Derived Fuels ¹ | Geothermal | Other Biomass ² | Total (Other Renewables) |
|---|---------------|--------------------------------|--|---------------|----------------------------|--------------------------|
| 1994..... | 3,447 | 487 | 37,937 | 15,535 | 19,129 | 76,535 |
| 1995..... | 3,164 | 497 | 36,521 | 13,378 | 20,405 | 73,965 |
| 1996..... | 3,234 | 521 | 36,800 | 14,329 | 20,911 | 75,796 |
| 1997..... | 3,288 | 511 | 36,948 | 14,726 | 21,709 | 77,183 |
| 1998..... | 3,026 | 502 | 36,338 | 14,774 | 22,448 | 77,088 |
| 1999..... | 4,488 | 495 | 37,041 | 14,827 | 22,572 | 79,423 |
| 2000..... | 5,593 | 493 | 37,595 | 14,093 | 23,131 | 80,906 |
| 2001..... | 6,737 | 543 | 35,200 | 13,741 | 14,548 | 70,769 |
| 2002..... | 10,354 | 555 | 38,665 | 14,491 | 15,044 | 79,109 |
| 2003..... | 11,187 | 534 | 37,529 | 14,424 | 15,812 | 79,487 |
| 2004..... | 14,144 | 575 | 38,117 | 14,811 | 15,421 | 83,067 |
| 2005..... | 17,811 | 550 | 38,856 | 14,692 | 15,420 | 87,329 |
| 2006 | | | | | | |
| January..... | 2,383 | 13 | 3,422 | 1,230 | 1,388 | 8,435 |
| February..... | 1,922 | 20 | 3,051 | 1,111 | 1,270 | 7,374 |
| March..... | 2,359 | 33 | 3,201 | 1,261 | 1,344 | 8,199 |
| April..... | 2,472 | 52 | 2,980 | 1,129 | 1,227 | 7,860 |
| May..... | 2,459 | 71 | 3,039 | 1,096 | 1,371 | 8,036 |
| June..... | 2,052 | 70 | 3,134 | 1,199 | 1,328 | 7,782 |
| July..... | 1,955 | 62 | 3,444 | 1,261 | 1,399 | 8,121 |
| August..... | 1,655 | 83 | 3,478 | 1,289 | 1,389 | 7,894 |
| September..... | 1,879 | 54 | 3,260 | 1,219 | 1,308 | 7,720 |
| October..... | 2,442 | 32 | 3,213 | 1,275 | 1,332 | 8,295 |
| November..... | 2,540 | 16 | 3,182 | 1,207 | 1,359 | 8,304 |
| December..... | 2,472 | 3 | 3,358 | 1,290 | 1,382 | 8,505 |
| Total..... | 26,589 | 508 | 38,762 | 14,568 | 16,099 | 96,525 |
| 2007 | | | | | | |
| January..... | 2,452 | 13 | 3,536 | 1,296 | 1,371 | 8,668 |
| February..... | 2,520 | 19 | 3,015 | 1,122 | 1,200 | 7,877 |
| March..... | 3,047 | 48 | 3,106 | 1,204 | 1,373 | 8,778 |
| April..... | 3,172 | 54 | 3,055 | 1,158 | 1,254 | 8,693 |
| May..... | 2,952 | 84 | 3,081 | 1,155 | 1,349 | 8,621 |
| June..... | 2,620 | 84 | 3,213 | 1,238 | 1,392 | 8,549 |
| July..... | 2,158 | 86 | 3,434 | 1,250 | 1,443 | 8,371 |
| August..... | 2,699 | 75 | 3,426 | 1,255 | 1,440 | 8,895 |
| September..... | 2,867 | 68 | 3,290 | 1,218 | 1,400 | 8,843 |
| October..... | 3,377 | 49 | 3,246 | 1,265 | 1,426 | 9,362 |
| November..... | 3,095 | 24 | 3,273 | 1,211 | 1,425 | 9,029 |
| December..... | 3,490 | 5 | 3,339 | 1,266 | 1,452 | 9,553 |
| Total..... | 34,450 | 612 | 39,014 | 14,637 | 16,525 | 105,238 |
| 2008 | | | | | | |
| January..... | 3,737 | 15 | 3,337 | 1,187 | 1,371 | 9,647 |
| February..... | 3,275 | 33 | 3,075 | 1,075 | 1,220 | 8,679 |
| March..... | 4,103 | 75 | 3,165 | 1,218 | 1,374 | 9,935 |
| April..... | 4,487 | 87 | 2,940 | 1,200 | 1,465 | 10,178 |
| May..... | 4,450 | 96 | 3,013 | 1,254 | 1,472 | 10,285 |
| June..... | 4,349 | 120 | 3,166 | 1,261 | 1,462 | 10,357 |
| July..... | 3,236 | 105 | 3,349 | 1,281 | 1,434 | 9,405 |
| August..... | 2,599 | 99 | 3,390 | 1,267 | 1,425 | 8,780 |
| September..... | 2,391 | 86 | 3,167 | 1,225 | 1,303 | 8,172 |
| October..... | 4,164 | 56 | 3,001 | 1,242 | 1,291 | 9,754 |
| November..... | 4,408 | 26 | 3,157 | 1,206 | 1,296 | 10,092 |
| Total..... | 41,199 | 798 | 34,760 | 13,414 | 15,112 | 105,284 |
| Year-to-Date | | | | | | |
| 2006..... | 24,117 | 505 | 35,404 | 13,278 | 14,716 | 88,021 |
| 2007..... | 30,960 | 606 | 35,675 | 13,371 | 15,072 | 95,685 |
| 2008..... | 41,199 | 798 | 34,760 | 13,414 | 15,112 | 105,284 |
| Rolling 12 Months Ending in November | | | | | | |
| 2007..... | 33,431 | 609 | 39,033 | 14,661 | 16,455 | 104,189 |
| 2008..... | 44,689 | 804 | 38,099 | 14,680 | 16,564 | 114,837 |

¹ 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.

² Biogenic municipal solid waste, landfill gas, 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 Renewables." • 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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. Net Generation by Energy Source: Electric Utilities, 1994 through November 2008
(Thousand Megawatthours)

| Period | Coal ¹ | Petroleum Liquids ² | Petroleum Coke | Natural Gas | Other Gases ³ | Nuclear | Hydroelectric Conventional | Other Renewables ⁴ | Hydroelectric Pumped Storage | Other ⁵ | Total |
|---|-------------------|--------------------------------|----------------|----------------|--------------------------|----------------|----------------------------|-------------------------------|------------------------------|--------------------|------------------|
| 1994 | 1,635,493 | 88,897 | 2,142 | 291,115 | -- | 640,440 | 247,071 | 8,933 | -3,378 | -- | 2,910,712 |
| 1995 | 1,652,914 | 59,036 | 1,809 | 307,306 | -- | 673,402 | 296,378 | 6,409 | -2,725 | -- | 2,994,529 |
| 1996 | 1,737,453 | 65,695 | 1,651 | 262,730 | -- | 674,729 | 331,058 | 7,214 | -3,088 | -- | 3,077,442 |
| 1997 | 1,787,806 | 74,372 | 3,381 | 283,625 | -- | 628,644 | 341,273 | 7,462 | -4,040 | -- | 3,122,523 |
| 1998 | 1,807,480 | 105,440 | 4,718 | 309,222 | -- | 673,702 | 308,844 | 7,206 | -4,441 | -- | 3,212,171 |
| 1999 | 1,767,679 | 82,981 | 3,948 | 296,381 | -- | 725,036 | 299,914 | 3,716 | -5,982 | -- | 3,173,674 |
| 2000 | 1,696,619 | 69,653 | 2,527 | 290,715 | -- | 705,433 | 253,155 | 2,241 | -4,960 | -- | 3,015,383 |
| 2001 | 1,560,146 | 74,729 | 4,179 | 264,434 | -- | 534,207 | 197,804 | 1,666 | -7,704 | 486 | 2,629,946 |
| 2002 | 1,514,670 | 52,838 | 6,286 | 229,639 | 206 | 507,380 | 242,302 | 3,089 | -7,434 | 480 | 2,549,457 |
| 2003 | 1,500,281 | 62,774 | 7,156 | 186,967 | 243 | 458,829 | 249,622 | 3,421 | -7,532 | 519 | 2,462,281 |
| 2004 | 1,513,641 | 62,196 | 11,498 | 199,662 | 374 | 475,682 | 245,546 | 3,692 | -7,526 | 467 | 2,505,231 |
| 2005 | 1,484,855 | 58,572 | 11,150 | 238,204 | 10 | 436,296 | 245,553 | 4,945 | -5,383 | 643 | 2,474,846 |
| 2006 | | | | | | | | | | | |
| January..... | 123,749 | 2,783 | 929 | 13,272 | 1 | 39,347 | 24,643 | 618 | -428 | 63 | 204,976 |
| February..... | 116,732 | 2,109 | 910 | 15,432 | * | 34,568 | 22,303 | 547 | -357 | 57 | 192,304 |
| March..... | 117,678 | 1,626 | 799 | 19,015 | 1 | 35,328 | 22,483 | 606 | -352 | 64 | 197,249 |
| April..... | 105,266 | 2,278 | 820 | 20,298 | * | 29,859 | 26,239 | 482 | -496 | 57 | 184,803 |
| May..... | 118,133 | 2,121 | 724 | 22,723 | 1 | 31,917 | 28,260 | 525 | -351 | 55 | 204,107 |
| June..... | 126,935 | 3,039 | 866 | 28,935 | 2 | 36,757 | 27,208 | 458 | -312 | 62 | 223,950 |
| July..... | 138,898 | 3,315 | 1,037 | 37,599 | 1 | 39,705 | 22,923 | 497 | -509 | 60 | 243,526 |
| August..... | 140,359 | 4,699 | 922 | 37,283 | 2 | 39,758 | 19,604 | 497 | -569 | 70 | 242,624 |
| September..... | 120,048 | 2,281 | 806 | 25,236 | 4 | 36,747 | 15,504 | 492 | -520 | 57 | 200,655 |
| October..... | 118,583 | 2,466 | 699 | 24,187 | 4 | 31,856 | 15,252 | 614 | -396 | 56 | 193,321 |
| November..... | 117,153 | 2,451 | 542 | 19,076 | 4 | 32,015 | 17,985 | 617 | -449 | 41 | 189,435 |
| December..... | 127,886 | 2,102 | 580 | 19,032 | 10 | 37,484 | 19,459 | 635 | -541 | 59 | 206,705 |
| Total..... | 1,471,421 | 31,269 | 9,634 | 282,088 | 30 | 425,341 | 261,864 | 6,588 | -5,281 | 700 | 2,483,656 |
| 2007 | | | | | | | | | | | |
| January..... | 129,899 | 2,461 | 710 | 21,561 | 14 | 39,514 | 23,791 | 738 | -452 | 52 | 218,288 |
| February..... | 120,393 | 3,843 | 687 | 20,303 | 5 | 34,700 | 17,033 | 670 | -347 | 41 | 197,329 |
| March..... | 117,121 | 2,434 | 677 | 18,987 | 6 | 35,547 | 21,994 | 777 | -359 | 45 | 197,229 |
| April..... | 106,773 | 2,779 | 538 | 20,845 | 12 | 31,069 | 21,526 | 738 | -305 | 42 | 184,017 |
| May..... | 118,259 | 2,652 | 682 | 23,450 | 15 | 33,625 | 23,720 | 774 | -443 | 48 | 202,783 |
| June..... | 128,350 | 3,059 | 745 | 28,567 | 9 | 36,342 | 21,142 | 696 | -411 | 54 | 218,554 |
| July..... | 136,882 | 3,101 | 585 | 33,486 | 13 | 39,368 | 21,051 | 654 | -458 | 45 | 234,728 |
| August..... | 140,456 | 4,316 | 697 | 42,700 | 11 | 39,005 | 18,714 | 721 | -520 | 46 | 246,147 |
| September..... | 125,834 | 2,822 | 563 | 30,796 | 13 | 35,750 | 13,649 | 765 | -593 | 40 | 209,641 |
| October..... | 119,987 | 2,793 | 526 | 28,247 | 13 | 31,687 | 13,610 | 821 | -461 | 62 | 197,285 |
| November..... | 118,379 | 1,452 | 404 | 21,658 | 14 | 33,202 | 14,118 | 779 | -549 | 42 | 189,498 |
| December..... | 128,652 | 1,612 | 580 | 23,185 | 15 | 37,745 | 16,385 | 821 | -431 | 68 | 208,631 |
| Total..... | 1,490,985 | 33,325 | 7,395 | 313,785 | 141 | 427,555 | 226,734 | 8,953 | -5,328 | 586 | 2,504,131 |
| 2008 | | | | | | | | | | | |
| January..... | 134,672 | 1,821 | 547 | 25,286 | 3 | 38,099 | 19,969 | 800 | -633 | 55 | 220,619 |
| February..... | 122,361 | 1,494 | 519 | 20,941 | 2 | 34,459 | 17,993 | 720 | -262 | 39 | 198,266 |
| March..... | 116,936 | 1,385 | 465 | 22,155 | 8 | 33,954 | 20,450 | 800 | -415 | 72 | 195,810 |
| April..... | 109,359 | 1,662 | 410 | 21,003 | * | 31,358 | 19,831 | 832 | -163 | 59 | 184,352 |
| May..... | 118,645 | 1,749 | 349 | 23,371 | 1 | 32,720 | 25,922 | 829 | -480 | 43 | 203,149 |
| June..... | 126,962 | 2,671 | 491 | 30,878 | 1 | 36,983 | 28,789 | 836 | -459 | 52 | 227,204 |
| July..... | 138,462 | 2,060 | 492 | 34,540 | 2 | 40,045 | 23,901 | 685 | -474 | 48 | 239,761 |
| August..... | 134,281 | 1,934 | 556 | 35,129 | * | 38,409 | 18,764 | 663 | -524 | 42 | 229,255 |
| September..... | 119,792 | 2,295 | 481 | 28,488 | 1 | 34,885 | 15,014 | 634 | -409 | 39 | 201,218 |
| October..... | 110,694 | 1,427 | 592 | 26,657 | * | 32,630 | 15,102 | 761 | -399 | 39 | 187,502 |
| November..... | 113,340 | 1,539 | 516 | 22,273 | 1 | 31,811 | 15,474 | 844 | -390 | 37 | 185,444 |
| Total..... | 1,345,504 | 20,036 | 5,419 | 290,720 | 19 | 385,354 | 221,210 | 8,402 | -4,609 | 527 | 2,272,582 |
| Year-to-Date | | | | | | | | | | | |
| 2006..... | 1,343,535 | 29,167 | 9,054 | 263,056 | 21 | 387,858 | 242,404 | 5,954 | -4,740 | 642 | 2,276,951 |
| 2007..... | 1,362,333 | 31,712 | 6,815 | 290,601 | 126 | 389,810 | 210,349 | 8,132 | -4,897 | 517 | 2,295,500 |
| 2008..... | 1,345,504 | 20,036 | 5,419 | 290,720 | 19 | 385,354 | 221,210 | 8,402 | -4,609 | 527 | 2,272,582 |
| Rolling 12 Months Ending in November | | | | | | | | | | | |
| 2007..... | 1,490,219 | 33,815 | 7,395 | 309,633 | 136 | 427,294 | 229,808 | 8,767 | -5,438 | 576 | 2,502,204 |
| 2008..... | 1,474,156 | 21,648 | 5,999 | 313,904 | 34 | 423,099 | 237,595 | 9,223 | -5,041 | 596 | 2,481,213 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

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 Renewables." • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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. • Other energy sources include batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 1.3. Net Generation by Energy Source: Independent Power Producers, 1994 through November 2008
(Thousand Megawatthours)

| Period | Coal ¹ | Petroleum Liquids ² | Petroleum Coke | Natural Gas | Other Gases ³ | Nuclear | Hydroelectric Conventional | Other Renewables ⁴ | Hydroelectric Pumped Storage | Other ⁵ | Total |
|---|-------------------|--------------------------------|----------------|----------------|--------------------------|----------------|----------------------------|-------------------------------|------------------------------|--------------------|------------------|
| 1994..... | 30,783 | 3,897 | 3,741 | 94,574 | 1,092 | -- | 6,934 | 36,753 | -- | 239 | 178,013 |
| 1995..... | 33,142 | 3,156 | 4,145 | 111,873 | 1,927 | -- | 9,033 | 36,213 | -- | 213 | 199,702 |
| 1996..... | 34,520 | 2,851 | 4,586 | 116,028 | 1,341 | -- | 10,101 | 37,072 | -- | 201 | 206,699 |
| 1997..... | 32,955 | 3,976 | 4,751 | 115,971 | 1,533 | -- | 9,375 | 38,228 | -- | 63 | 206,852 |
| 1998..... | 42,713 | 6,525 | 5,528 | 140,070 | 2,315 | -- | 9,023 | 38,937 | -26 | 159 | 245,245 |
| 1999..... | 90,938 | 19,635 | 4,975 | 176,615 | 1,607 | 3,218 | 14,749 | 44,548 | -115 | 139 | 356,309 |
| 2000..... | 246,492 | 27,929 | 5,083 | 227,263 | 2,028 | 48,460 | 18,183 | 47,162 | -579 | 125 | 622,146 |
| 2001..... | 322,681 | 35,532 | 4,709 | 290,506 | 586 | 234,619 | 15,945 | 40,593 | -1,119 | 6,055 | 950,107 |
| 2002..... | 395,943 | 22,241 | 8,368 | 378,044 | 1,763 | 272,684 | 18,189 | 44,466 | -1,309 | 8,612 | 1,149,001 |
| 2003..... | 452,433 | 35,818 | 7,949 | 380,337 | 2,404 | 304,904 | 21,890 | 46,060 | -1,003 | 8,088 | 1,258,879 |
| 2004..... | 443,547 | 33,574 | 7,410 | 427,510 | 3,194 | 312,846 | 19,518 | 48,636 | -962 | 7,856 | 1,303,129 |
| 2005..... | 507,199 | 37,096 | 9,664 | 445,625 | 3,767 | 345,690 | 21,486 | 51,708 | -1,174 | 6,285 | 1,427,346 |
| 2006 | | | | | | | | | | | |
| January..... | 43,729 | 1,165 | 814 | 23,677 | 342 | 32,564 | 2,424 | 5,124 | -104 | 542 | 110,278 |
| February..... | 40,283 | 880 | 625 | 25,861 | 302 | 28,048 | 2,166 | 4,462 | -90 | 492 | 103,029 |
| March..... | 41,911 | 521 | 676 | 29,438 | 348 | 28,393 | 1,919 | 5,133 | -83 | 537 | 108,792 |
| April..... | 34,463 | 552 | 699 | 29,752 | 343 | 27,708 | 2,122 | 4,910 | -91 | 527 | 100,985 |
| May..... | 37,157 | 569 | 662 | 35,912 | 413 | 30,859 | 2,368 | 5,030 | -93 | 539 | 113,415 |
| June..... | 40,972 | 824 | 699 | 45,249 | 373 | 31,635 | 2,363 | 4,859 | -112 | 550 | 127,410 |
| July..... | 47,053 | 1,599 | 698 | 62,870 | 377 | 32,482 | 2,293 | 4,917 | -129 | 576 | 152,736 |
| August..... | 47,218 | 1,634 | 715 | 61,623 | 410 | 32,258 | 1,942 | 4,716 | -125 | 576 | 150,965 |
| September..... | 39,851 | 548 | 655 | 40,679 | 331 | 29,895 | 1,493 | 4,665 | -109 | 517 | 118,525 |
| October..... | 41,091 | 712 | 719 | 39,345 | 326 | 25,653 | 1,522 | 5,135 | -111 | 504 | 114,897 |
| November..... | 40,664 | 682 | 719 | 27,874 | 327 | 29,377 | 1,918 | 5,172 | -104 | 506 | 107,136 |
| December..... | 43,924 | 711 | 729 | 30,048 | 330 | 33,006 | 1,861 | 5,222 | -126 | 546 | 116,252 |
| Total..... | 498,316 | 10,396 | 8,409 | 452,329 | 4,223 | 361,877 | 24,390 | 59,345 | -1,277 | 6,412 | 1,424,421 |
| 2007 | | | | | | | | | | | |
| January..... | 44,354 | 1,677 | 726 | 32,247 | 361 | 34,492 | 2,062 | 5,352 | -119 | 528 | 121,680 |
| February..... | 41,806 | 3,440 | 457 | 31,323 | 308 | 30,524 | 1,387 | 4,874 | -100 | 462 | 114,482 |
| March..... | 41,152 | 1,412 | 465 | 31,039 | 338 | 28,758 | 1,976 | 5,544 | -100 | 518 | 111,102 |
| April..... | 38,026 | 791 | 565 | 33,281 | 303 | 26,232 | 2,168 | 5,455 | -69 | 484 | 107,237 |
| May..... | 37,732 | 596 | 545 | 36,542 | 301 | 31,400 | 2,147 | 5,376 | -104 | 510 | 115,043 |
| June..... | 43,644 | 964 | 649 | 46,320 | 321 | 32,581 | 1,549 | 5,344 | -112 | 525 | 131,785 |
| July..... | 46,601 | 856 | 600 | 56,671 | 326 | 33,370 | 1,336 | 5,028 | -137 | 536 | 145,186 |
| August..... | 48,060 | 1,198 | 604 | 70,695 | 329 | 33,746 | 1,151 | 5,524 | -131 | 543 | 161,718 |
| September..... | 42,055 | 689 | 576 | 50,715 | 308 | 31,829 | 1,016 | 5,513 | -151 | 522 | 133,072 |
| October..... | 40,709 | 617 | 510 | 43,074 | 366 | 30,002 | 1,086 | 5,965 | -299 | 515 | 122,545 |
| November..... | 39,557 | 411 | 568 | 32,373 | 318 | 31,697 | 1,436 | 5,658 | -113 | 503 | 112,409 |
| December..... | 43,710 | 995 | 677 | 36,687 | 322 | 34,238 | 1,795 | 6,120 | -134 | 546 | 124,955 |
| Total..... | 507,406 | 13,645 | 6,942 | 500,967 | 3,901 | 378,869 | 19,109 | 65,751 | -1,569 | 6,191 | 1,501,212 |
| 2008 | | | | | | | | | | | |
| January..... | 46,356 | 1,140 | 659 | 39,500 | 472 | 32,587 | 2,132 | 6,292 | -121 | 524 | 129,541 |
| February..... | 43,215 | 788 | 591 | 32,322 | 398 | 30,477 | 1,948 | 5,588 | -113 | 468 | 115,681 |
| March..... | 42,525 | 609 | 417 | 32,608 | 532 | 30,729 | 2,161 | 6,699 | -107 | 589 | 116,762 |
| April..... | 36,321 | 410 | 537 | 34,007 | 475 | 25,923 | 2,026 | 6,970 | 65 | 733 | 107,466 |
| May..... | 35,823 | 419 | 567 | 31,713 | 505 | 32,074 | 2,081 | 6,982 | -107 | 541 | 110,598 |
| June..... | 42,737 | 983 | 588 | 46,588 | 414 | 33,285 | 1,895 | 6,986 | 88 | 548 | 134,111 |
| July..... | 47,185 | 807 | 526 | 57,673 | 445 | 34,221 | 1,870 | 6,108 | -325 | 541 | 149,052 |
| August..... | 45,385 | 473 | 536 | 55,707 | 439 | 34,163 | 1,790 | 5,507 | -124 | 553 | 144,429 |
| September..... | 40,808 | 542 | 538 | 43,497 | 186 | 32,118 | 1,433 | 5,106 | -104 | 499 | 124,624 |
| October..... | 40,715 | 335 | 593 | 39,302 | 215 | 30,163 | 1,252 | 6,590 | -97 | 497 | 119,565 |
| November..... | 40,332 | 454 | 469 | 33,160 | 160 | 31,597 | 1,505 | 6,878 | -103 | 499 | 114,952 |
| Total..... | 461,401 | 6,959 | 6,020 | 446,078 | 4,241 | 347,338 | 20,094 | 69,704 | -1,047 | 5,993 | 1,366,781 |
| Year-to-Date | | | | | | | | | | | |
| 2006..... | 454,392 | 9,685 | 7,681 | 422,280 | 3,893 | 328,871 | 22,529 | 54,123 | -1,151 | 5,866 | 1,308,169 |
| 2007..... | 463,696 | 12,650 | 6,265 | 464,280 | 3,579 | 344,632 | 17,314 | 59,631 | -1,434 | 5,646 | 1,376,257 |
| 2008..... | 461,401 | 6,959 | 6,020 | 446,078 | 4,241 | 347,338 | 20,094 | 69,704 | -1,047 | 5,993 | 1,366,781 |
| Rolling 12 Months Ending in November | | | | | | | | | | | |
| 2007..... | 507,620 | 13,361 | 6,994 | 494,328 | 3,910 | 377,637 | 19,175 | 64,853 | -1,561 | 6,192 | 1,492,509 |
| 2008..... | 505,111 | 7,955 | 6,697 | 482,765 | 4,563 | 381,576 | 21,889 | 75,824 | -1,182 | 6,538 | 1,491,736 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

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 Renewables." • 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 1.4. Net Generation by Energy Source: Commercial Combined Heat and Power Sector, 1994 through November 2008
(Thousand Megawatthours)

| Period | Coal ¹ | Petroleum Liquids ² | Petroleum Coke | Natural Gas | Other Gases ³ | Nuclear | Hydroelectric Conventional | Other Renewables ⁴ | Hydroelectric Pumped Storage | Other ⁵ | Total |
|---|-------------------|--------------------------------|----------------|--------------|--------------------------|-----------|----------------------------|-------------------------------|------------------------------|--------------------|--------------|
| 1994..... | 850 | 413 | 3 | 4,929 | 115 | -- | 93 | 1,216 | -- | -- | 7,619 |
| 1995..... | 998 | 376 | 3 | 5,162 | -- | -- | 118 | 1,575 | -- | * | 8,232 |
| 1996..... | 1,051 | 366 | 2 | 5,249 | * | -- | 126 | 2,235 | -- | * | 9,030 |
| 1997..... | 1,040 | 424 | 3 | 4,725 | 3 | -- | 120 | 2,385 | -- | * | 8,701 |
| 1998..... | 985 | 380 | 3 | 4,879 | 7 | -- | 120 | 2,373 | -- | -- | 8,748 |
| 1999..... | 995 | 431 | 3 | 4,607 | * | -- | 115 | 2,412 | -- | * | 8,563 |
| 2000..... | 1,097 | 429 | 3 | 4,262 | * | -- | 100 | 2,012 | -- | * | 7,903 |
| 2001..... | 995 | 434 | 4 | 4,434 | * | -- | 66 | 1,025 | -- | 457 | 7,416 |
| 2002..... | 992 | 426 | 6 | 4,310 | * | -- | 13 | 1,065 | -- | 603 | 7,415 |
| 2003..... | 1,206 | 416 | 8 | 3,899 | -- | -- | 72 | 1,302 | -- | 594 | 7,496 |
| 2004..... | 1,340 | 493 | 7 | 3,969 | -- | -- | 105 | 1,575 | -- | 781 | 8,270 |
| 2005..... | 1,353 | 368 | 7 | 4,249 | -- | -- | 86 | 1,673 | -- | 756 | 8,492 |
| 2006 | | | | | | | | | | | |
| January..... | 118 | 27 | * | 322 | * | -- | 13 | 143 | -- | 61 | 684 |
| February..... | 113 | 30 | 1 | 300 | * | -- | 11 | 132 | -- | 57 | 643 |
| March..... | 101 | 30 | 1 | 336 | * | -- | 12 | 115 | -- | 48 | 643 |
| April..... | 88 | 21 | -- | 307 | * | -- | 9 | 132 | -- | 66 | 625 |
| May..... | 99 | 16 | -- | 365 | * | -- | 9 | 151 | -- | 74 | 713 |
| June..... | 114 | 14 | -- | 383 | * | -- | 10 | 132 | -- | 71 | 724 |
| July..... | 127 | 17 | * | 438 | * | -- | 3 | 134 | -- | 64 | 783 |
| August..... | 129 | 16 | 1 | 437 | * | -- | * | 133 | -- | 63 | 780 |
| September..... | 102 | 11 | 1 | 369 | * | -- | 3 | 131 | -- | 64 | 682 |
| October..... | 97 | 10 | 1 | 392 | * | -- | 3 | 136 | -- | 65 | 704 |
| November..... | 110 | 14 | 1 | 348 | * | -- | 10 | 138 | -- | 61 | 682 |
| December..... | 113 | 23 | 1 | 358 | * | -- | 10 | 142 | -- | 63 | 709 |
| Total..... | 1,310 | 228 | 7 | 4,355 | * | -- | 93 | 1,619 | -- | 758 | 8,371 |
| 2007 | | | | | | | | | | | |
| January..... | 120 | 26 | 1 | 318 | -- | -- | 11 | 132 | -- | 61 | 669 |
| February..... | 120 | 43 | 1 | 309 | -- | -- | 9 | 110 | -- | 47 | 641 |
| March..... | 115 | 23 | 1 | 323 | -- | -- | 11 | 129 | -- | 58 | 659 |
| April..... | 100 | 15 | 1 | 319 | -- | -- | 11 | 129 | -- | 64 | 639 |
| May..... | 108 | 9 | -- | 341 | -- | -- | 12 | 139 | -- | 71 | 680 |
| June..... | 112 | 11 | -- | 374 | -- | -- | 5 | 137 | -- | 67 | 707 |
| July..... | 116 | 8 | -- | 419 | -- | -- | 2 | 147 | -- | 72 | 763 |
| August..... | 127 | 12 | 1 | 434 | -- | -- | * | 137 | -- | 63 | 774 |
| September..... | 113 | 6 | 1 | 364 | -- | -- | 1 | 135 | -- | 63 | 684 |
| October..... | 107 | 6 | 1 | 374 | -- | -- | 4 | 143 | -- | 71 | 706 |
| November..... | 115 | 5 | 1 | 335 | -- | -- | 5 | 141 | -- | 65 | 667 |
| December..... | 119 | 16 | 1 | 347 | -- | -- | 8 | 135 | -- | 61 | 686 |
| Total..... | 1,371 | 180 | 9 | 4,257 | -- | -- | 77 | 1,614 | -- | 764 | 8,273 |
| 2008 | | | | | | | | | | | |
| January..... | 170 | 14 | 1 | 407 | -- | -- | 7 | 129 | -- | 59 | 787 |
| February..... | 141 | 10 | 1 | 381 | -- | -- | 7 | 113 | -- | 54 | 708 |
| March..... | 122 | 6 | 1 | 380 | -- | -- | 11 | 127 | -- | 34 | 680 |
| April..... | 143 | 4 | 1 | 324 | -- | -- | 15 | 154 | -- | 63 | 704 |
| May..... | 147 | 4 | -- | 313 | -- | -- | 11 | 154 | -- | 73 | 702 |
| June..... | 114 | 11 | -- | 331 | -- | -- | 6 | 157 | -- | 77 | 695 |
| July..... | 128 | 12 | -- | 383 | -- | -- | 4 | 147 | -- | 70 | 745 |
| August..... | 121 | 8 | -- | 391 | -- | -- | * | 145 | -- | 71 | 736 |
| September..... | 112 | 8 | * | 352 | -- | -- | 1 | 135 | -- | 69 | 678 |
| October..... | 105 | 6 | 1 | 349 | -- | -- | 2 | 116 | -- | 55 | 635 |
| November..... | 102 | 9 | 1 | 327 | -- | -- | 3 | 127 | -- | 58 | 626 |
| Total..... | 1,406 | 91 | 5 | 3,939 | -- | -- | 66 | 1,505 | -- | 683 | 7,696 |
| Year-to-Date | | | | | | | | | | | |
| 2006..... | 1,197 | 205 | 6 | 3,997 | * | -- | 84 | 1,478 | -- | 695 | 7,661 |
| 2007..... | 1,253 | 164 | 8 | 3,911 | -- | -- | 70 | 1,479 | -- | 703 | 7,588 |
| 2008..... | 1,406 | 91 | 5 | 3,939 | -- | -- | 66 | 1,505 | -- | 683 | 7,696 |
| Rolling 12 Months Ending in November | | | | | | | | | | | |
| 2007..... | 1,366 | 187 | 9 | 4,269 | * | -- | 80 | 1,620 | -- | 766 | 8,297 |
| 2008..... | 1,525 | 107 | 6 | 4,286 | -- | -- | 74 | 1,640 | -- | 744 | 8,381 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

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 Renewables." • 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 1.5. Net Generation by Energy Source: Industrial Combined Heat and Power Sector, 1994 through November 2008
(Thousand Megawatthours)

| Period | Coal ¹ | Petroleum Liquids ² | Petroleum Coke | Natural Gas | Other Gases ³ | Nuclear | Hydroelectric Conventional | Other Renewables ⁴ | Hydroelectric Pumped Storage | Other ⁵ | Total |
|---|-------------------|--------------------------------|----------------|---------------|--------------------------|-----------|----------------------------|-------------------------------|------------------------------|--------------------|----------------|
| 1994..... | 23,568 | 5,232 | 1,575 | 69,600 | 12,112 | -- | 6,028 | 29,633 | -- | 3,428 | 151,178 |
| 1995..... | 22,372 | 4,376 | 1,654 | 71,717 | 11,943 | -- | 5,304 | 29,768 | -- | 3,890 | 151,025 |
| 1996..... | 22,172 | 4,608 | 1,652 | 71,049 | 13,015 | -- | 5,878 | 29,274 | -- | 3,370 | 151,017 |
| 1997..... | 23,214 | 4,001 | 1,648 | 75,078 | 11,814 | -- | 5,685 | 29,107 | -- | 3,549 | 154,097 |
| 1998..... | 22,337 | 4,514 | 1,692 | 77,085 | 11,170 | -- | 5,349 | 28,572 | -- | 3,412 | 154,132 |
| 1999..... | 21,474 | 4,229 | 1,860 | 78,793 | 12,519 | -- | 4,758 | 28,747 | -- | 3,885 | 156,264 |
| 2000..... | 22,056 | 4,149 | 1,448 | 78,798 | 11,927 | -- | 4,135 | 29,491 | -- | 4,669 | 156,673 |
| 2001..... | 20,135 | 3,952 | 1,341 | 79,755 | 8,454 | -- | 3,145 | 27,485 | -- | 4,908 | 149,175 |
| 2002..... | 21,525 | 3,196 | 1,207 | 79,013 | 9,493 | -- | 3,825 | 30,489 | -- | 3,832 | 152,580 |
| 2003..... | 19,817 | 3,726 | 1,559 | 78,705 | 12,953 | -- | 4,222 | 28,704 | -- | 4,843 | 154,530 |
| 2004..... | 19,773 | 4,128 | 1,839 | 78,959 | 11,684 | -- | 3,248 | 29,164 | -- | 5,129 | 153,925 |
| 2005..... | 19,466 | 3,804 | 1,564 | 72,882 | 9,687 | -- | 3,195 | 29,003 | -- | 5,137 | 144,739 |
| 2006 | | | | | | | | | | | |
| January..... | 1,639 | 272 | 148 | 6,536 | 814 | -- | 357 | 2,550 | -- | 405 | 12,720 |
| February..... | 1,488 | 237 | 131 | 5,815 | 811 | -- | 281 | 2,233 | -- | 360 | 11,357 |
| March..... | 1,635 | 230 | 130 | 6,133 | 885 | -- | 210 | 2,345 | -- | 477 | 12,046 |
| April..... | 1,608 | 188 | 132 | 5,734 | 836 | -- | 185 | 2,336 | -- | 425 | 11,445 |
| May..... | 1,621 | 197 | 133 | 6,586 | 881 | -- | 182 | 2,329 | -- | 452 | 12,380 |
| June..... | 1,673 | 184 | 141 | 6,493 | 793 | -- | 177 | 2,334 | -- | 382 | 12,176 |
| July..... | 1,743 | 190 | 146 | 7,187 | 889 | -- | 220 | 2,574 | -- | 426 | 13,375 |
| August..... | 1,749 | 223 | 150 | 7,249 | 880 | -- | 182 | 2,548 | -- | 413 | 13,394 |
| September..... | 1,589 | 203 | 140 | 6,388 | 818 | -- | 202 | 2,432 | -- | 420 | 12,193 |
| October..... | 1,619 | 167 | 119 | 6,716 | 855 | -- | 279 | 2,408 | -- | 483 | 12,645 |
| November..... | 1,512 | 208 | 130 | 6,142 | 734 | -- | 358 | 2,377 | -- | 444 | 11,906 |
| December..... | 1,586 | 268 | 156 | 6,690 | 728 | -- | 266 | 2,506 | -- | 417 | 12,617 |
| Total..... | 19,464 | 2,567 | 1,656 | 77,669 | 9,923 | -- | 2,899 | 28,972 | -- | 5,103 | 148,254 |
| 2007 | | | | | | | | | | | |
| January..... | 1,367 | 256 | 137 | 7,348 | 779 | -- | 180 | 2,446 | -- | 380 | 12,894 |
| February..... | 1,283 | 270 | 142 | 5,686 | 669 | -- | 138 | 2,223 | -- | 368 | 10,779 |
| March..... | 1,423 | 250 | 154 | 5,855 | 889 | -- | 183 | 2,329 | -- | 397 | 11,481 |
| April..... | 1,350 | 245 | 146 | 5,708 | 848 | -- | 185 | 2,372 | -- | 382 | 11,236 |
| May..... | 1,414 | 233 | 157 | 6,137 | 859 | -- | 168 | 2,333 | -- | 397 | 11,697 |
| June..... | 1,407 | 179 | 170 | 6,249 | 823 | -- | 121 | 2,372 | -- | 388 | 11,709 |
| July..... | 1,455 | 161 | 184 | 6,907 | 815 | -- | 89 | 2,543 | -- | 397 | 12,550 |
| August..... | 1,492 | 175 | 183 | 7,510 | 791 | -- | 76 | 2,513 | -- | 418 | 13,157 |
| September..... | 1,389 | 130 | 148 | 6,657 | 798 | -- | 76 | 2,429 | -- | 370 | 11,997 |
| October..... | 1,431 | 143 | 151 | 6,663 | 755 | -- | 97 | 2,433 | -- | 408 | 12,080 |
| November..... | 1,332 | 133 | 162 | 6,270 | 699 | -- | 123 | 2,451 | -- | 357 | 11,528 |
| December..... | 1,350 | 180 | 155 | 6,590 | 686 | -- | 154 | 2,476 | -- | 429 | 12,018 |
| Total..... | 16,694 | 2,355 | 1,889 | 77,580 | 9,411 | -- | 1,590 | 28,919 | -- | 4,690 | 143,128 |
| 2008 | | | | | | | | | | | |
| January..... | 1,380 | 161 | 107 | 6,898 | 775 | -- | 251 | 2,425 | -- | 324 | 12,321 |
| February..... | 1,284 | 135 | 90 | 6,257 | 726 | -- | 285 | 2,258 | -- | 216 | 11,251 |
| March..... | 1,518 | 135 | 94 | 5,760 | 1,071 | -- | 285 | 2,309 | -- | 281 | 11,455 |
| April..... | 1,426 | 91 | 134 | 5,535 | 985 | -- | 234 | 2,223 | -- | 305 | 10,933 |
| May..... | 1,483 | 87 | 89 | 5,954 | 851 | -- | 226 | 2,320 | -- | 238 | 11,247 |
| June..... | 1,474 | 124 | 113 | 6,279 | 909 | -- | 113 | 2,378 | -- | 231 | 11,622 |
| July..... | 1,602 | 127 | 108 | 6,938 | 991 | -- | 97 | 2,465 | -- | 255 | 12,582 |
| August..... | 1,525 | 106 | 113 | 6,808 | 1,000 | -- | 97 | 2,465 | -- | 225 | 12,340 |
| September..... | 1,494 | 150 | 101 | 5,153 | 604 | -- | 82 | 2,297 | -- | 184 | 10,064 |
| October..... | 1,411 | 91 | 118 | 6,207 | 556 | -- | 79 | 2,288 | -- | 160 | 10,911 |
| November..... | 1,227 | 96 | 89 | 5,701 | 525 | -- | 100 | 2,244 | -- | 142 | 10,124 |
| Total..... | 15,826 | 1,304 | 1,156 | 67,490 | 8,992 | -- | 1,850 | 25,673 | -- | 2,560 | 124,850 |
| Year-to-Date | | | | | | | | | | | |
| 2006..... | 17,878 | 2,299 | 1,500 | 70,979 | 9,195 | -- | 2,633 | 26,466 | -- | 4,687 | 135,637 |
| 2007..... | 15,344 | 2,175 | 1,734 | 70,991 | 8,726 | -- | 1,436 | 26,443 | -- | 4,262 | 131,110 |
| 2008..... | 15,826 | 1,304 | 1,156 | 67,490 | 8,992 | -- | 1,850 | 25,673 | -- | 2,560 | 124,850 |
| Rolling 12 Months Ending in November | | | | | | | | | | | |
| 2007..... | 16,930 | 2,443 | 1,890 | 77,681 | 9,454 | -- | 1,702 | 28,949 | -- | 4,678 | 143,727 |
| 2008..... | 17,176 | 1,483 | 1,311 | 74,079 | 9,678 | -- | 2,004 | 28,149 | -- | 2,988 | 136,868 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

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 Renewables." • 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 1.6.A. Net Generation by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 10,143 | 10,378 | -2.3 | 490 | 533 | 9,173 | 9,308 | 56 | 59 | 424 | 479 |
| Connecticut | 1,909 | 2,427 | -21.4 | NM | 5 | 1,883 | 2,408 | NM | 3 | NM | 12 |
| Maine | 1,405 | 1,223 | 14.9 | NM | * | 1,015 | 770 | 15 | 15 | 375 | 438 |
| Massachusetts | 3,865 | 3,754 | 3.0 | NM | 23 | 3,772 | 3,674 | 33 | 38 | NM | 20 |
| New Hampshire | 2,065 | 1,930 | 7.0 | 388 | 431 | 1,667 | 1,490 | NM | * | NM | 9 |
| Rhode Island | 468 | 477 | -1.9 | NM | * | 464 | 474 | NM | 3 | -- | * |
| Vermont | 430 | 567 | -24.1 | 57 | 74 | NM | 493 | -- | -- | NM | * |
| Middle Atlantic | 33,895 | 32,590 | 4.0 | 3,228 | 2,865 | 30,212 | 29,289 | 93 | 97 | 361 | 339 |
| New Jersey | 4,375 | 4,705 | -7.0 | NM | -18 | 4,322 | 4,663 | NM | 6 | NM | 55 |
| New York | 11,587 | 10,256 | 13.0 | 3,192 | 2,807 | 8,247 | 7,295 | 53 | 59 | 94 | 95 |
| Pennsylvania | 17,933 | 17,629 | 1.7 | NM | 76 | 17,643 | 17,331 | 32 | 32 | 215 | 189 |
| East North Central | 52,309 | 52,264 | .1 | 28,330 | 28,890 | 23,089 | 22,375 | 104 | 110 | 786 | 890 |
| Illinois | 16,157 | 15,470 | 4.4 | 238 | 840 | 15,676 | 14,361 | 39 | 35 | NM | 234 |
| Indiana | 9,995 | 9,813 | 1.9 | 8,987 | 8,737 | 773 | 803 | 16 | 15 | NM | 258 |
| Michigan | 8,642 | 9,155 | -5.6 | 7,317 | 7,511 | 1,185 | 1,473 | 40 | 48 | 100 | 123 |
| Ohio | 12,519 | 12,928 | -3.2 | 8,202 | 8,469 | 4,238 | 4,393 | -- | -- | 78 | 67 |
| Wisconsin | 4,996 | 4,897 | 2.0 | 3,586 | 3,333 | 1,217 | 1,346 | NM | 11 | NM | 208 |
| West North Central | 24,803 | 25,339 | -2.1 | 23,052 | 23,757 | 1,471 | 1,247 | 38 | 43 | 242 | 292 |
| Iowa | 4,421 | 4,178 | 5.8 | 3,665 | 3,465 | 645 | 579 | 23 | 21 | 89 | 113 |
| Kansas | 3,923 | 4,147 | -5.4 | 3,789 | 4,070 | 134 | 78 | NM | -- | NM | * |
| Minnesota | 4,209 | 4,448 | -5.4 | 3,582 | 3,854 | 502 | 443 | NM | 7 | 119 | 144 |
| Missouri | 6,420 | 7,205 | -10.9 | 6,343 | 7,101 | 55 | 76 | 8 | 14 | NM | 14 |
| Nebraska | 2,514 | 2,739 | -8.2 | 2,509 | 2,735 | NM | * | NM | 1 | NM | 2 |
| North Dakota | 2,866 | 2,430 | 17.9 | 2,727 | 2,352 | 124 | 60 | -- | * | NM | 18 |
| South Dakota | 449 | 192 | 134.4 | 439 | 179 | 11 | 13 | -- | -- | -- | -- |
| South Atlantic | 58,441 | 61,462 | -4.9 | 48,436 | 51,439 | 8,713 | 8,373 | 51 | 53 | 1,241 | 1,596 |
| Delaware | 620 | 678 | -8.6 | NM | 2 | 595 | 598 | -- | -- | 23 | 78 |
| District of Columbia | -- | -1 | -- | -- | -- | -- | -1 | -- | -- | -- | -- |
| Florida | 15,434 | 15,782 | -2.2 | 13,982 | 13,961 | 1,228 | 1,400 | NM | 5 | 217 | 416 |
| Georgia | 10,245 | 10,931 | -6.3 | 9,421 | 10,368 | 427 | 139 | NM | * | 396 | 424 |
| Maryland | 3,478 | 3,901 | -10.8 | NM | * | 3,429 | 3,847 | NM | 2 | 45 | 52 |
| North Carolina | 9,367 | 10,266 | -8.8 | 8,869 | 9,835 | 344 | 247 | 3 | 9 | NM | 174 |
| South Carolina | 7,419 | 7,439 | -.3 | 7,190 | 7,245 | 84 | 20 | NM | 6 | 139 | 168 |
| Virginia | 5,434 | 5,359 | 1.4 | 4,689 | 4,486 | 503 | 625 | NM | 31 | 212 | 217 |
| West Virginia | 6,445 | 7,106 | -9.3 | 4,284 | 5,542 | 2,104 | 1,498 | -- | -- | 58 | 67 |
| East South Central | 29,057 | 27,911 | 4.1 | 25,232 | 25,029 | 3,130 | 2,106 | NM | 8 | 686 | 768 |
| Alabama | 10,644 | 10,329 | 3.1 | 9,012 | 9,266 | 1,296 | 680 | -- | -- | 337 | 383 |
| Kentucky | 8,209 | 7,410 | 10.8 | 7,202 | 6,466 | 973 | 904 | -- | -- | 34 | 40 |
| Mississippi | 3,330 | 2,919 | 14.1 | 2,334 | 2,261 | 855 | 514 | NM | 1 | NM | 144 |
| Tennessee | 6,874 | 7,254 | -5.2 | 6,685 | 7,036 | NM | 7 | NM | 8 | 175 | 202 |
| West South Central | 44,336 | 45,429 | -2.4 | 17,443 | 17,557 | 22,076 | 22,448 | NM | 43 | 4,774 | 5,382 |
| Arkansas | 4,206 | 3,764 | 11.7 | 3,570 | 3,236 | 480 | 364 | NM | * | 155 | 164 |
| Louisiana | 7,021 | 6,781 | 3.5 | 3,355 | 3,336 | 1,620 | 1,182 | NM | 3 | 2,043 | 2,259 |
| Oklahoma | 5,407 | 4,628 | 16.8 | 4,059 | 3,732 | 1,273 | 813 | NM | 2 | NM | 81 |
| Texas | 27,702 | 30,256 | -8.4 | 6,460 | 7,252 | 18,702 | 20,089 | NM | 37 | 2,502 | 2,878 |
| Mountain | 28,863 | 28,282 | 2.1 | 22,609 | 22,197 | 6,038 | 5,857 | NM | 15 | 205 | 214 |
| Arizona | 8,233 | 8,524 | -3.4 | 6,790 | 6,566 | 1,411 | 1,916 | NM | 5 | NM | 37 |
| Colorado | 4,159 | 4,444 | -6.4 | 3,206 | 3,384 | 950 | 1,053 | 1 | 2 | NM | 5 |
| Idaho | 666 | 616 | 8.2 | NM | 353 | 155 | 207 | -- | -- | 45 | 56 |
| Montana | 2,349 | 2,211 | 6.3 | NM | 344 | 1,909 | 1,856 | -- | -- | NM | 10 |
| Nevada | 2,737 | 2,100 | 30.3 | 1,701 | 1,612 | 1,011 | 464 | -- | -- | NM | 24 |
| New Mexico | 3,186 | 2,807 | 13.5 | 2,858 | 2,646 | 323 | 156 | NM | 4 | NM | 1 |
| Utah | 3,814 | 3,635 | 4.9 | 3,725 | 3,572 | NM | 55 | NM | 4 | NM | 4 |
| Wyoming | 3,719 | 3,946 | -5.7 | 3,431 | 3,718 | NM | 151 | -- | -- | 71 | 77 |
| Pacific Contiguous | 27,907 | 28,965 | -3.7 | 15,640 | 16,148 | 10,707 | 11,093 | 174 | 187 | 1,386 | 1,538 |
| California | 15,860 | 16,580 | -4.3 | 6,208 | 6,562 | 8,262 | 8,485 | 170 | 180 | 1,221 | 1,354 |
| Oregon | 4,549 | 4,580 | -.7 | 3,458 | 3,401 | 978 | 1,055 | NM | 3 | 112 | 121 |
| Washington | 7,497 | 7,804 | -3.9 | 5,974 | 6,185 | 1,467 | 1,553 | NM | 4 | 53 | 63 |
| Pacific Noncontiguous .. | 1,393 | 1,482 | -6.0 | 983 | 1,085 | 343 | 314 | 46 | 53 | NM | 31 |
| Alaska | 537 | 583 | -8.0 | 495 | 523 | NM | 26 | 19 | 22 | NM | 13 |
| Hawaii | 857 | 899 | -4.7 | 488 | 562 | 328 | 287 | 27 | 31 | NM | 19 |
| U.S. Total | 311,146 | 314,103 | -9 | 185,444 | 189,498 | 114,952 | 112,409 | 626 | 667 | 10,124 | 11,528 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.6.B. Net Generation by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|------------------|----------------|-----------------------|------------------|-----------------------------|------------------|-------------------|--------------|-------------------|----------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 114,924 | 121,109 | -5.1 | 5,215 | 5,519 | 104,023 | 109,717 | 739 | 725 | 4,946 | 5,148 |
| Connecticut | 27,794 | 30,329 | -8.4 | NM | 31 | 27,469 | 30,100 | NM | 40 | NM | 157 |
| Maine | 14,582 | 14,571 | .1 | NM | 1 | 10,106 | 9,784 | 169 | 162 | 4,307 | 4,624 |
| Massachusetts | 39,076 | 43,293 | -9.7 | NM | 439 | 37,771 | 42,148 | 473 | 456 | NM | 251 |
| New Hampshire | 20,808 | 21,306 | -2.3 | 3,901 | 4,405 | 16,761 | 16,765 | NM | 22 | NM | 115 |
| Rhode Island | 6,649 | 6,362 | 4.5 | NM | 10 | 6,593 | 6,306 | NM | 45 | * | 1 |
| Vermont | 6,015 | 5,248 | 14.6 | NM | 633 | NM | 4,614 | -- | -- | NM | 1 |
| Middle Atlantic | 392,193 | 397,715 | -1.4 | 36,775 | 37,828 | 349,868 | 354,378 | 1,073 | 1,036 | 4,477 | 4,473 |
| New Jersey | 58,728 | 57,102 | 2.8 | NM | -180 | 57,636 | 56,581 | NM | 74 | NM | 627 |
| New York | 128,980 | 133,928 | -3.7 | 35,395 | 37,084 | 91,897 | 95,098 | 612 | 603 | 1,077 | 1,143 |
| Pennsylvania | 204,486 | 206,686 | -1.1 | NM | 924 | 200,335 | 202,699 | 362 | 359 | 2,739 | 2,704 |
| East North Central | 603,453 | 611,899 | -1.4 | 328,507 | 336,746 | 263,897 | 263,585 | 1,230 | 1,390 | 9,819 | 10,179 |
| Illinois | 180,966 | 183,030 | -1.1 | 3,587 | 9,204 | 174,575 | 170,679 | 430 | 495 | NM | 2,653 |
| Indiana | 118,331 | 119,590 | -1.1 | 105,776 | 106,868 | 9,207 | 9,529 | 190 | 199 | NM | 2,995 |
| Michigan | 105,649 | 109,024 | -3.1 | 86,935 | 88,485 | 17,065 | 18,546 | 499 | 583 | 1,150 | 1,410 |
| Ohio | 140,355 | 142,349 | -1.4 | 90,269 | 91,752 | 49,135 | 49,771 | -- | -- | 952 | 826 |
| Wisconsin | 58,152 | 57,906 | .4 | 41,940 | 40,437 | 13,916 | 15,060 | NM | 113 | NM | 2,296 |
| West North Central | 287,724 | 287,244 | .2 | 270,042 | 271,575 | 14,214 | 12,087 | 529 | 517 | 2,940 | 3,063 |
| Iowa | 47,905 | 45,294 | 5.8 | 40,472 | 38,566 | 6,149 | 5,307 | 267 | 234 | 1,018 | 1,187 |
| Kansas | 42,540 | 45,755 | -7.0 | 41,370 | 44,953 | 1,147 | 794 | NM | -- | NM | 8 |
| Minnesota | 48,335 | 49,393 | -2.1 | 42,208 | 43,343 | 4,537 | 4,452 | NM | 88 | 1,495 | 1,511 |
| Missouri | 84,099 | 83,286 | 1.0 | 82,423 | 82,100 | 1,354 | 853 | 156 | 180 | NM | 154 |
| Nebraska | 29,766 | 29,413 | 1.2 | 29,703 | 29,377 | NM | 4 | NM | 16 | NM | 16 |
| North Dakota | 28,926 | 28,318 | 2.1 | 27,814 | 27,589 | 921 | 541 | -- | * | NM | 188 |
| South Dakota | NM | 5,783 | -- | NM | 5,647 | 101 | 136 | -- | -- | -- | -- |
| South Atlantic | 738,709 | 767,891 | -3.8 | 614,394 | 634,706 | 107,592 | 114,860 | 609 | 597 | 16,114 | 17,728 |
| Delaware | 6,920 | 7,808 | -11.4 | NM | 45 | 6,205 | 6,762 | -- | -- | 697 | 1,001 |
| District of Columbia | 72 | 76 | -4.6 | -- | -- | 72 | 76 | -- | -- | -- | -- |
| Florida | 202,516 | 208,694 | -3.0 | 182,231 | 185,768 | 16,922 | 18,415 | NM | 76 | 3,271 | 4,435 |
| Georgia | 126,662 | 133,362 | -5.0 | 116,671 | 121,795 | 5,320 | 6,825 | NM | 4 | 4,670 | 4,738 |
| Maryland | 42,908 | 45,771 | -6.3 | NM | 22 | 42,374 | 45,167 | NM | 26 | 480 | 556 |
| North Carolina | 115,168 | 119,481 | -3.6 | 108,489 | 113,090 | 4,741 | 4,402 | 80 | 65 | NM | 1,924 |
| South Carolina | 93,751 | 94,791 | -1.1 | 90,787 | 91,574 | NM | 1,363 | NM | 63 | 1,714 | 1,790 |
| Virginia | 66,744 | 71,979 | -7.3 | 54,702 | 59,103 | 9,214 | 10,247 | NM | 363 | 2,510 | 2,266 |
| West Virginia | 83,968 | 85,928 | -2.3 | 61,487 | 63,309 | 21,564 | 21,603 | -- | -- | 916 | 1,017 |
| East South Central | 351,032 | 354,614 | -1.0 | 307,812 | 308,486 | 34,686 | 37,313 | NM | 123 | 8,425 | 8,693 |
| Alabama | 133,470 | 131,959 | 1.1 | 116,736 | 113,665 | 12,522 | 14,043 | -- | -- | 4,212 | 4,251 |
| Kentucky | 89,628 | 89,021 | .7 | 78,664 | 78,122 | 10,492 | 10,374 | -- | -- | 472 | 525 |
| Mississippi | 44,592 | 46,408 | -3.9 | 31,312 | 31,889 | 11,607 | 12,781 | NM | 11 | NM | 1,727 |
| Tennessee | 83,342 | 87,225 | -4.5 | 81,100 | 84,810 | NM | 114 | NM | 111 | 2,075 | 2,190 |
| West South Central | 577,336 | 575,556 | .3 | 221,590 | 220,116 | 296,363 | 293,690 | NM | 508 | 58,833 | 61,242 |
| Arkansas | 50,818 | 49,957 | 1.7 | 42,147 | 41,260 | 6,891 | 6,953 | NM | 2 | 1,776 | 1,743 |
| Louisiana | 83,910 | 85,122 | -1.4 | 39,304 | 39,860 | 21,076 | 20,486 | NM | 39 | 23,498 | 24,736 |
| Oklahoma | 70,157 | 67,145 | 4.5 | 52,487 | 49,724 | 16,606 | 16,586 | NM | 24 | NM | 811 |
| Texas | 372,450 | 373,332 | -2 | 87,653 | 89,272 | 251,790 | 249,665 | NM | 443 | 32,525 | 33,952 |
| Mountain | 341,593 | 336,515 | 1.5 | 268,971 | 264,814 | 69,152 | 68,222 | NM | 187 | 3,299 | 3,292 |
| Arizona | 107,962 | 103,995 | 3.8 | 86,280 | 81,559 | 21,241 | 22,012 | NM | 65 | NM | 359 |
| Colorado | 47,985 | 49,134 | -2.3 | 37,442 | 38,625 | 10,477 | 10,422 | 39 | 27 | NM | 59 |
| Idaho | 11,229 | 10,738 | 4.6 | NM | 8,136 | 2,289 | 2,058 | -- | -- | 467 | 544 |
| Montana | 26,621 | 26,351 | 1.0 | NM | 5,776 | 20,226 | 20,465 | -- | -- | NM | 109 |
| Nevada | 30,858 | 30,304 | 1.8 | 20,358 | 20,646 | 10,172 | 9,275 | -- | -- | NM | 383 |
| New Mexico | 32,520 | 33,155 | -1.9 | 30,319 | 31,410 | NM | 1,676 | NM | 54 | NM | 16 |
| Utah | 42,686 | 41,335 | 3.3 | 40,771 | 39,389 | NM | 1,008 | NM | 41 | 1,112 | 898 |
| Wyoming | 41,732 | 41,503 | .6 | 39,025 | 39,272 | NM | 1,307 | -- | -- | 850 | 924 |
| Pacific Contiguous | 348,836 | 341,180 | 2.2 | 207,896 | 203,791 | 123,300 | 118,459 | 1,962 | 2,017 | 15,678 | 16,913 |
| California | 197,163 | 193,740 | 1.8 | 85,826 | 81,465 | 95,610 | 95,292 | 1,902 | 1,955 | 13,825 | 15,029 |
| Oregon | 52,741 | 49,622 | 6.3 | 40,140 | 39,167 | 11,352 | 9,160 | NM | 16 | 1,245 | 1,280 |
| Washington | 98,932 | 97,818 | 1.1 | 81,930 | 83,158 | 16,338 | 14,008 | NM | 47 | 608 | 605 |
| Pacific Noncontiguous .. | 16,107 | 16,730 | -3.7 | 11,381 | 11,919 | 3,686 | 3,947 | 721 | 488 | NM | 377 |
| Alaska | 6,080 | 6,161 | -1.3 | 5,352 | 5,553 | NM | 261 | 421 | 214 | NM | 133 |
| Hawaii | 10,027 | 10,569 | -5.1 | 6,029 | 6,366 | 3,511 | 3,685 | 300 | 274 | NM | 244 |
| U.S. Total | 3,771,908 | 3,810,454 | -1.0 | 2,272,582 | 2,295,500 | 1,366,781 | 1,376,257 | 7,696 | 7,588 | 124,850 | 131,110 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.7.A. Net Generation from Coal by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|---------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 1,794 | 1,337 | 34.3 | 312 | 368 | 1,471 | 946 | -- | -- | NM | 23 |
| Connecticut..... | 396 | 134 | 195.3 | -- | -- | 396 | 134 | -- | -- | -- | -- |
| Maine..... | 9 | 29 | -69.8 | -- | -- | 2 | 10 | -- | -- | 7 | 20 |
| Massachusetts..... | 1,078 | 806 | 33.8 | -- | -- | 1,073 | 803 | -- | -- | NM | 3 |
| New Hampshire..... | 312 | 368 | -15.0 | 312 | 368 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 11,396 | 12,197 | -6.6 | NM | 120 | 11,257 | 11,959 | NM | 4 | 113 | 114 |
| New Jersey..... | 508 | 791 | -35.8 | NM | 1 | 498 | 790 | -- | -- | -- | -- |
| New York..... | 1,591 | 1,686 | -5.6 | NM | 119 | 1,541 | 1,520 | 1 | 3 | 35 | 44 |
| Pennsylvania..... | 9,297 | 9,719 | -4.3 | -- | -- | 9,218 | 9,648 | NM | * | 78 | 71 |
| East North Central | 37,116 | 36,836 | .8 | 26,216 | 26,646 | 10,505 | 9,751 | 49 | 51 | 346 | 388 |
| Illinois..... | 7,809 | 7,278 | 7.3 | 222 | 783 | 7,396 | 6,280 | 6 | 9 | 185 | 205 |
| Indiana..... | 9,507 | 9,341 | 1.8 | 8,894 | 8,639 | 596 | 687 | 12 | 11 | NM | 4 |
| Michigan..... | 5,752 | 5,944 | -3.2 | 5,648 | 5,834 | NM | 41 | 27 | 26 | 34 | 43 |
| Ohio..... | 10,618 | 11,150 | -4.8 | 8,130 | 8,381 | 2,454 | 2,739 | -- | -- | NM | 31 |
| Wisconsin..... | 3,429 | 3,123 | 9.8 | 3,322 | 3,009 | NM | 3 | NM | 5 | 88 | 105 |
| West North Central | 18,032 | 18,616 | -3.1 | 17,810 | 18,361 | NM | 4 | 26 | 30 | 192 | 221 |
| Iowa..... | 3,378 | 3,154 | 7.1 | 3,272 | 3,024 | -- | -- | 18 | 17 | 88 | 113 |
| Kansas..... | 2,675 | 3,110 | -14.0 | 2,675 | 3,110 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 2,370 | 2,341 | 1.3 | 2,290 | 2,256 | NM | 4 | -- | -- | NM | 82 |
| Missouri..... | 5,206 | 5,961 | -12.7 | 5,184 | 5,934 | -- | -- | 8 | 14 | NM | 14 |
| Nebraska..... | 1,462 | 1,761 | -16.9 | 1,458 | 1,759 | -- | -- | -- | -- | NM | 2 |
| North Dakota..... | 2,643 | 2,277 | 16.1 | 2,633 | 2,266 | -- | -- | -- | -- | NM | 11 |
| South Dakota..... | 298 | 12 | NM | 298 | 12 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 30,365 | 34,489 | -12.0 | 24,870 | 29,075 | 5,218 | 5,100 | 3 | 8 | 273 | 306 |
| Delaware..... | 509 | 543 | -6.2 | -- | -- | 501 | 535 | -- | -- | NM | 8 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 4,666 | 5,208 | -10.4 | 4,330 | 4,875 | 318 | 307 | -- | -- | NM | 26 |
| Georgia..... | 5,864 | 6,939 | -15.5 | 5,796 | 6,871 | -- | -- | -- | -- | 68 | 68 |
| Maryland..... | 1,891 | 2,333 | -18.9 | -- | -- | 1,870 | 2,309 | -- | -- | 21 | 24 |
| North Carolina..... | 5,782 | 6,262 | -7.7 | 5,563 | 6,032 | NM | 188 | 3 | 8 | NM | 35 |
| South Carolina..... | 3,049 | 3,540 | -13.9 | 3,028 | 3,514 | NM | -- | -- | -- | 21 | 27 |
| Virginia..... | 2,325 | 2,717 | -14.4 | 1,920 | 2,296 | 331 | 345 | NM | -- | 74 | 76 |
| West Virginia..... | 6,278 | 6,947 | -9.6 | 4,233 | 5,488 | 2,006 | 1,416 | -- | -- | 39 | 43 |
| East South Central | 18,735 | 18,615 | .6 | 17,691 | 17,702 | 886 | 783 | NM | 1 | 156 | 130 |
| Alabama..... | 5,639 | 5,546 | 1.7 | 5,606 | 5,513 | 16 | 15 | -- | -- | NM | 18 |
| Kentucky..... | 7,871 | 6,978 | 12.8 | 7,102 | 6,308 | 769 | 671 | -- | -- | -- | -- |
| Mississippi..... | 880 | 1,081 | -18.6 | 778 | 984 | 102 | 97 | -- | -- | NM | -- |
| Tennessee..... | 4,345 | 5,010 | -13.3 | 4,205 | 4,897 | -- | -- | NM | 1 | 138 | 112 |
| West South Central | 18,222 | 18,280 | -.3 | 10,245 | 9,984 | 7,931 | 8,247 | -- | -- | NM | 48 |
| Arkansas..... | 2,453 | 1,752 | 40.0 | 2,445 | 1,745 | -- | -- | -- | -- | NM | 7 |
| Louisiana..... | 1,804 | 1,867 | -3.4 | 721 | 1,083 | 1,083 | 781 | -- | -- | NM | 3 |
| Oklahoma..... | 2,920 | 2,528 | 15.5 | 2,705 | 2,267 | 178 | 222 | -- | -- | NM | 38 |
| Texas..... | 11,044 | 12,133 | -9.0 | 4,374 | 4,889 | 6,670 | 7,244 | -- | -- | -- | -- |
| Mountain | 17,687 | 17,459 | 1.3 | 15,749 | 15,686 | 1,886 | 1,711 | -- | -- | NM | 62 |
| Arizona..... | 3,477 | 3,447 | .9 | 3,450 | 3,410 | -- | -- | -- | -- | NM | 36 |
| Colorado..... | 2,729 | 2,951 | -7.5 | 2,712 | 2,935 | NM | 16 | -- | -- | -- | -- |
| Idaho..... | NM | 8 | -- | -- | -- | -- | -- | -- | -- | NM | 8 |
| Montana..... | 1,619 | 1,623 | -.2 | NM | 27 | 1,590 | 1,596 | -- | -- | -- | -- |
| Nevada..... | 738 | 634 | 16.3 | 601 | 634 | 137 | -- | -- | -- | -- | -- |
| New Mexico..... | 2,473 | 2,179 | 13.5 | 2,473 | 2,179 | -- | -- | -- | -- | -- | -- |
| Utah..... | 3,146 | 2,856 | 10.2 | 3,114 | 2,818 | NM | 38 | -- | -- | -- | -- |
| Wyoming..... | 3,499 | 3,760 | -7.0 | 3,370 | 3,682 | NM | 61 | -- | -- | NM | 17 |
| Pacific Contiguous | 1,464 | 1,406 | 4.2 | 404 | 421 | 1,021 | 945 | -- | -- | 39 | 40 |
| California..... | 184 | 178 | 3.3 | -- | -- | 148 | 142 | -- | -- | 36 | 36 |
| Oregon..... | 404 | 421 | -4.0 | 404 | 421 | -- | -- | -- | -- | -- | -- |
| Washington..... | 876 | 807 | 8.6 | -- | -- | 873 | 803 | -- | -- | 3 | 4 |
| Pacific Noncontiguous .. | 191 | 148 | 28.6 | 18 | 17 | 154 | 110 | 19 | 21 | -- | -- |
| Alaska..... | 52 | 57 | -8.6 | 18 | 17 | NM | 19 | 19 | 21 | -- | -- |
| Hawaii..... | 139 | 91 | 52.1 | -- | -- | 139 | 91 | -- | -- | -- | -- |
| U.S. Total | 155,002 | 159,382 | -2.7 | 113,340 | 118,379 | 40,332 | 39,557 | 102 | 115 | 1,227 | 1,332 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.7.B. Net Generation from Coal by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|------------------|----------------|-----------------------|------------------|-----------------------------|----------------|-------------------|--------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 17,073 | 18,457 | -7.5 | 3,089 | 3,547 | 13,758 | 14,660 | -- | -- | NM | 250 |
| Connecticut | 4,082 | 3,445 | 18.5 | -- | -- | 4,082 | 3,445 | -- | -- | -- | -- |
| Maine | 328 | 337 | -2.8 | -- | -- | 152 | 131 | -- | -- | 176 | 206 |
| Massachusetts | 9,574 | 11,128 | -14.0 | -- | -- | 9,524 | 11,085 | -- | -- | NM | 43 |
| New Hampshire | 3,089 | 3,547 | -12.9 | 3,089 | 3,547 | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 136,385 | 141,123 | -3.4 | NM | 1,276 | 133,700 | 138,269 | NM | 22 | 1,544 | 1,555 |
| New Jersey | 8,514 | 9,218 | -7.6 | NM | 44 | 7,981 | 9,174 | -- | -- | -- | -- |
| New York | 18,624 | 19,566 | -4.8 | NM | 1,232 | 17,585 | 17,825 | 19 | 18 | 440 | 490 |
| Pennsylvania | 109,247 | 112,339 | -2.8 | -- | -- | 108,134 | 111,270 | NM | 4 | NM | 1,065 |
| East North Central | 421,339 | 422,818 | -.3 | 296,346 | 302,757 | 120,572 | 115,387 | 483 | 573 | 3,938 | 4,101 |
| Illinois | 88,169 | 86,980 | 1.4 | 3,135 | 8,421 | 82,935 | 76,332 | 38 | 95 | 2,061 | 2,132 |
| Indiana | 111,411 | 112,350 | -8 | 104,347 | 105,219 | 6,868 | 6,931 | 145 | 152 | NM | 48 |
| Michigan | 63,600 | 64,973 | -2.1 | 62,474 | 63,697 | NM | 490 | 257 | 281 | 412 | 505 |
| Ohio | 119,709 | 122,015 | -1.9 | 89,104 | 90,116 | 30,197 | 31,583 | -- | -- | NM | 317 |
| Wisconsin | 38,450 | 36,500 | 5.3 | 37,286 | 35,304 | NM | 52 | NM | 44 | 1,006 | 1,100 |
| West North Central | 215,391 | 212,074 | 1.6 | 212,769 | 209,359 | NM | 26 | 372 | 362 | 2,220 | 2,327 |
| Iowa | 37,548 | 34,627 | 8.4 | 36,317 | 33,247 | -- | -- | 222 | 194 | 1,010 | 1,187 |
| Kansas | 31,037 | 32,999 | -5.9 | 31,037 | 32,999 | -- | -- | -- | -- | -- | -- |
| Minnesota | 29,362 | 29,217 | .5 | 28,434 | 28,319 | NM | 26 | -- | -- | NM | 871 |
| Missouri | 67,803 | 68,533 | -1.1 | 67,498 | 68,222 | -- | -- | 151 | 167 | NM | 144 |
| Nebraska | 19,573 | 17,639 | 11.0 | 19,526 | 17,623 | -- | -- | -- | -- | NM | 16 |
| North Dakota | 26,730 | 26,462 | 1.0 | 26,619 | 26,352 | -- | -- | -- | -- | NM | 109 |
| South Dakota | 3,339 | 2,597 | 28.6 | 3,339 | 2,597 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 389,142 | 404,979 | -3.9 | 323,559 | 337,072 | 61,979 | 64,638 | 72 | 50 | 3,533 | 3,218 |
| Delaware | 4,828 | 5,086 | -5.1 | -- | -- | 4,733 | 4,999 | -- | -- | NM | 87 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 59,891 | 61,933 | -3.3 | 55,320 | 57,174 | 4,314 | 4,516 | -- | -- | NM | 243 |
| Georgia | 79,041 | 82,968 | -4.7 | 78,183 | 82,268 | -- | -- | -- | -- | 858 | 700 |
| Maryland | 24,747 | 27,061 | -8.6 | -- | -- | 24,530 | 26,806 | -- | -- | 216 | 255 |
| North Carolina | 70,429 | 73,608 | -4.3 | 67,141 | 70,533 | NM | 2,642 | 72 | 50 | NM | 383 |
| South Carolina | 38,907 | 37,783 | 3.0 | 38,568 | 37,494 | NM | -- | -- | -- | 339 | 290 |
| Virginia | 29,110 | 32,464 | -10.3 | 23,444 | 26,961 | 4,703 | 4,764 | NM | -- | 963 | 739 |
| West Virginia | 82,189 | 84,074 | -2.2 | 60,902 | 62,642 | 20,806 | 20,911 | -- | -- | 480 | 521 |
| East South Central | 221,185 | 225,900 | -2.1 | 209,008 | 213,686 | 10,414 | 10,736 | NM | 41 | 1,730 | 1,437 |
| Alabama | 68,602 | 71,749 | -4.4 | 68,228 | 71,370 | 156 | 176 | -- | -- | NM | 204 |
| Kentucky | 83,769 | 82,835 | 1.1 | 75,936 | 74,971 | 7,833 | 7,864 | -- | -- | -- | -- |
| Mississippi | 15,417 | 16,037 | -3.9 | 12,983 | 13,338 | 2,425 | 2,696 | -- | -- | NM | 3 |
| Tennessee | 53,397 | 55,279 | -3.4 | 51,861 | 54,007 | -- | -- | NM | 41 | 1,503 | 1,230 |
| West South Central | 214,217 | 209,352 | 2.3 | 122,054 | 117,405 | 91,447 | 91,416 | -- | -- | NM | 531 |
| Arkansas | 23,636 | 23,166 | 2.0 | 23,527 | 23,075 | -- | -- | -- | -- | NM | 92 |
| Louisiana | 21,679 | 20,827 | 4.1 | 10,164 | 9,507 | 11,493 | 11,276 | -- | -- | NM | 44 |
| Oklahoma | 34,034 | 31,384 | 8.4 | 31,435 | 28,822 | 2,013 | 2,167 | -- | -- | NM | 395 |
| Texas | 134,868 | 133,975 | .7 | 56,928 | 56,002 | 77,940 | 77,973 | -- | -- | -- | -- |
| Mountain | 193,624 | 192,258 | .7 | 173,738 | 173,116 | 18,387 | 17,665 | -- | -- | NM | 1,477 |
| Arizona | 39,803 | 37,635 | 5.8 | 39,441 | 37,291 | -- | -- | -- | -- | NM | 344 |
| Colorado | 31,751 | 32,753 | -3.1 | 31,564 | 32,555 | NM | 198 | -- | -- | -- | -- |
| Idaho | NM | 76 | -- | -- | -- | -- | -- | -- | -- | NM | 76 |
| Montana | 16,770 | 16,739 | .2 | NM | 282 | 16,423 | 16,457 | -- | -- | -- | -- |
| Nevada | 6,471 | 6,450 | .3 | 6,185 | 6,450 | 285 | -- | -- | -- | -- | -- |
| New Mexico | 24,461 | 25,496 | -4.1 | 24,461 | 25,496 | -- | -- | -- | -- | -- | -- |
| Utah | 34,850 | 33,890 | 2.8 | 33,635 | 32,669 | NM | 365 | -- | -- | 844 | 856 |
| Wyoming | 39,440 | 39,220 | .6 | 38,105 | 38,374 | NM | 645 | -- | -- | NM | 201 |
| Pacific Contiguous | 13,486 | 13,652 | -1.2 | 3,627 | 3,920 | 9,438 | 9,283 | -- | -- | 421 | 449 |
| California | 2,065 | 2,098 | -1.6 | -- | -- | 1,679 | 1,683 | -- | -- | 386 | 415 |
| Oregon | 3,627 | 3,920 | -7.5 | 3,627 | 3,920 | -- | -- | -- | -- | -- | -- |
| Washington | 7,794 | 7,634 | 2.1 | -- | -- | 7,759 | 7,600 | -- | -- | 35 | 34 |
| Pacific Noncontiguous .. | NM | 2,014 | -- | 202 | 195 | NM | 1,614 | 417 | 205 | -- | -- |
| Alaska | 794 | 581 | 36.7 | 202 | 195 | NM | 181 | 417 | 205 | -- | -- |
| Hawaii | NM | 1,433 | -- | -- | -- | NM | 1,433 | -- | -- | -- | -- |
| U.S. Total | 1,824,137 | 1,842,626 | -1.0 | 1,345,504 | 1,362,333 | 461,401 | 463,696 | 1,406 | 1,253 | 15,826 | 15,344 |

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.8.A. Net Generation from Petroleum Liquids by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|--------------|----------------|-----------------------|--------------|-----------------------------|------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 195 | 183 | 6.1 | NM | 2 | 164 | 154 | NM | 1 | NM | 27 |
| Connecticut..... | NM | 13 | -- | * | * | NM | 13 | NM | * | NM | 1 |
| Maine..... | 32 | 28 | 12.6 | NM | * | 16 | 3 | NM | * | NM | 25 |
| Massachusetts..... | 141 | 141 | .5 | 2 | 1 | 132 | 138 | NM | 1 | NM | 1 |
| New Hampshire..... | NM | * | -- | * | * | NM | * | NM | * | NM | * |
| Rhode Island..... | NM | * | -- | NM | * | NM | -- | NM | * | -- | * |
| Vermont..... | NM | * | -- | NM | * | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 374 | 152 | 146.3 | 279 | 86 | 79 | 50 | NM | 3 | NM | 13 |
| New Jersey..... | 14 | 9 | 57.8 | NM | * | 13 | 9 | NM | * | NM | * |
| New York..... | NM | 113 | -- | NM | 86 | NM | 13 | NM | 3 | 9 | 12 |
| Pennsylvania..... | 38 | 30 | 27.7 | NM | -- | 33 | 28 | NM | * | NM | 1 |
| East North Central | 67 | 67 | .5 | 47 | 49 | 15 | 13 | NM | * | NM | 5 |
| Illinois..... | 13 | 15 | -13.6 | NM | 7 | 12 | 7 | NM | * | NM | * |
| Indiana..... | 15 | 13 | 13.0 | 14 | 12 | NM | * | NM | * | NM | 1 |
| Michigan..... | NM | 10 | -- | NM | 8 | NM | * | * | * | NM | 2 |
| Ohio..... | 21 | 22 | -4.4 | 17 | 16 | NM | 5 | -- | -- | NM | * |
| Wisconsin..... | NM | 7 | -- | NM | 6 | NM | * | NM | -- | NM | 1 |
| West North Central | 19 | 46 | -58.2 | 16 | 45 | 3 | * | NM | * | NM | * |
| Iowa..... | NM | 9 | -- | NM | 9 | NM | * | * | * | NM | * |
| Kansas..... | NM | 5 | -- | NM | 5 | -- | -- | NM | -- | -- | -- |
| Minnesota..... | 8 | 15 | -46.6 | 5 | 15 | 3 | * | NM | * | NM | * |
| Missouri..... | 1 | 5 | -78.1 | 1 | 5 | -- | -- | -- | * | -- | * |
| Nebraska..... | NM | 3 | -- | NM | 3 | -- | -- | -- | * | -- | -- |
| North Dakota..... | NM | 4 | -- | NM | 4 | -- | -- | -- | * | NM | * |
| South Dakota..... | NM | 5 | -- | NM | 5 | -- | * | -- | -- | -- | -- |
| South Atlantic | 661 | 652 | 1.4 | 591 | 570 | 36 | 21 | NM | * | 34 | 60 |
| Delaware..... | NM | 8 | -- | -- | * | NM | 3 | -- | -- | NM | 5 |
| District of Columbia..... | -- | -1 | -- | -- | -- | -- | -1 | -- | -- | -- | -- |
| Florida..... | 357 | 545 | -34.5 | 346 | 529 | NM | * | NM | -- | NM | 16 |
| Georgia..... | 22 | 17 | 27.6 | 8 | 7 | NM | * | NM | * | 13 | 10 |
| Maryland..... | 15 | 17 | -8.1 | NM | * | 13 | 16 | NM | * | NM | -- |
| North Carolina..... | 36 | 28 | 30.5 | 29 | 9 | NM | * | NM | * | NM | 18 |
| South Carolina..... | NM | 11 | -- | NM | 7 | NM | -- | NM | * | 1 | 4 |
| Virginia..... | 213 | 16 | NM | 194 | 7 | 15 | 3 | -- | * | 4 | 7 |
| West Virginia..... | 8 | 11 | -24.2 | 8 | 11 | -- | -- | -- | -- | -- | -- |
| East South Central..... | 22 | 34 | -35.4 | 17 | 23 | NM | 4 | -- | -- | NM | 7 |
| Alabama..... | 11 | 8 | 37.4 | 7 | 3 | NM | * | -- | -- | NM | 5 |
| Kentucky..... | NM | 14 | -- | 8 | 10 | NM | 4 | -- | -- | -- | -- |
| Mississippi..... | NM | 1 | -- | NM | 1 | -- | -- | -- | -- | NM | * |
| Tennessee..... | 1 | 11 | -91.0 | 1 | 9 | -- | -- | -- | -- | NM | 2 |
| West South Central | 26 | 27 | -2.1 | 16 | 17 | 4 | 7 | NM | * | NM | 3 |
| Arkansas..... | 8 | 7 | 27.1 | 8 | 6 | -- | -- | -- | -- | 1 | 1 |
| Louisiana..... | 7 | 5 | 34.1 | 4 | * | 2 | 4 | -- | -- | NM | 1 |
| Oklahoma..... | NM | 8 | -- | NM | 8 | -- | -- | NM | * | NM | 1 |
| Texas..... | NM | 7 | -- | 3 | 3 | 3 | 3 | NM | * | NM | 1 |
| Mountain | 19 | 25 | -24.5 | 16 | 24 | NM | 1 | NM | * | NM | * |
| Arizona..... | 4 | 3 | 30.3 | 4 | 3 | -- | -- | NM | * | NM | * |
| Colorado..... | NM | 1 | -- | NM | 1 | * | * | * | -- | NM | * |
| Idaho..... | -- | * | -- | NM | * | -- | -- | -- | -- | -- | -- |
| Montana..... | NM | 1 | -- | NM | * | NM | 1 | -- | -- | -- | -- |
| Nevada..... | NM | 1 | -- | NM | 1 | * | * | -- | -- | -- | -- |
| New Mexico..... | NM | 11 | -- | NM | 11 | NM | * | -- | -- | NM | -- |
| Utah..... | NM | 4 | -- | NM | 4 | NM | * | -- | -- | -- | -- |
| Wyoming..... | NM | 4 | -- | 4 | 4 | NM | * | -- | -- | NM | * |
| Pacific Contiguous | NM | 10 | -- | NM | 5 | NM | 2 | NM | * | NM | 3 |
| California..... | NM | 5 | -- | NM | 4 | NM | 1 | NM | * | NM | * |
| Oregon..... | NM | 1 | -- | NM | 1 | -- | -- | -- | -- | NM | * |
| Washington..... | NM | 4 | -- | NM | * | 1 | 1 | * | * | NM | 2 |
| Pacific Noncontiguous .. | 706 | 806 | -12.4 | 547 | 630 | 147 | 160 | NM | * | NM | 16 |
| Alaska..... | 63 | 80 | -21.0 | 60 | 69 | -- | 7 | NM | * | NM | 4 |
| Hawaii..... | 642 | 725 | -11.5 | 487 | 561 | 147 | 153 | * | * | NM | 12 |
| U.S. Total..... | 2,097 | 2,001 | 4.8 | 1,539 | 1,452 | 454 | 411 | 9 | 5 | 96 | 133 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.8.B. Net Generation from Petroleum Liquids by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | 2008 | 2007 | 2008 | 2007 |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | | | | |
| New England | 2,985 | 4,984 | -40.1 | NM | 341 | 2,439 | 4,114 | NM | 59 | 338 | 470 |
| Connecticut..... | NM | 1,135 | -- | NM | 2 | NM | 1,118 | NM | * | NM | 15 |
| Maine..... | 387 | 699 | -44.7 | NM | 1 | NM | 313 | NM | 2 | 246 | 382 |
| Massachusetts..... | 1,868 | 2,797 | -33.2 | NM | 54 | 1,762 | 2,652 | NM | 22 | NM | 69 |
| New Hampshire..... | NM | 318 | -- | NM | 267 | NM | 26 | NM | 22 | NM | 3 |
| Rhode Island..... | NM | 28 | -- | NM | 10 | NM | 5 | NM | 13 | * | 1 |
| Vermont..... | NM | 7 | -- | NM | 7 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 3,584 | 9,153 | -60.8 | 1,511 | 4,161 | 1,902 | 4,721 | NM | 79 | NM | 193 |
| New Jersey..... | 306 | 445 | -31.1 | NM | 9 | 282 | 433 | NM | 2 | NM | 1 |
| New York..... | 2,556 | 7,477 | -65.8 | 1,486 | 4,152 | 947 | 3,096 | NM | 73 | 100 | 156 |
| Pennsylvania..... | 722 | 1,232 | -41.4 | NM | -- | 672 | 1,192 | NM | 4 | NM | 36 |
| East North Central | 979 | 1,135 | -13.8 | 751 | 886 | 171 | 167 | 7 | 2 | NM | 80 |
| Illinois..... | 147 | 120 | 22.7 | NM | 24 | 122 | 95 | NM | 1 | NM | * |
| Indiana..... | 165 | 151 | 8.8 | 154 | 137 | NM | * | NM | 1 | NM | 13 |
| Michigan..... | 317 | 438 | -27.5 | 294 | 405 | NM | * | NM | * | NM | 32 |
| Ohio..... | 271 | 274 | -1.2 | 220 | 204 | NM | 64 | -- | -- | NM | 6 |
| Wisconsin..... | NM | 152 | -- | NM | 116 | NM | 6 | NM | * | NM | 30 |
| West North Central | 382 | 615 | -37.8 | 369 | 566 | NM | 38 | NM | 6 | NM | 5 |
| Iowa..... | NM | 168 | -- | NM | 162 | NM | 5 | NM | * | NM | * |
| Kansas..... | 45 | 37 | 20.3 | 45 | 37 | -- | -- | NM | -- | -- | -- |
| Minnesota..... | NM | 224 | -- | NM | 185 | 4 | 32 | NM | 5 | NM | 1 |
| Missouri..... | NM | 54 | -- | NM | 53 | -- | -- | * | * | -- | * |
| Nebraska..... | 37 | 35 | 4.9 | 37 | 35 | -- | -- | -- | * | -- | -- |
| North Dakota..... | 43 | 43 | .4 | 41 | 40 | -- | -- | -- | * | NM | 3 |
| South Dakota..... | NM | 55 | -- | NM | 54 | -- | * | -- | -- | -- | -- |
| South Atlantic | 10,785 | 19,649 | -45.1 | 9,608 | 17,228 | 738 | 1,661 | NM | 7 | 436 | 752 |
| Delaware..... | NM | 228 | -- | * | 4 | NM | 194 | -- | -- | NM | 30 |
| District of Columbia..... | 72 | 76 | -4.6 | -- | -- | 72 | 76 | -- | -- | -- | -- |
| Florida..... | 8,496 | 15,293 | -44.4 | 8,361 | 14,947 | NM | 165 | NM | -- | NM | 181 |
| Georgia..... | 195 | 214 | -8.8 | 58 | 76 | NM | 2 | NM | 4 | 130 | 132 |
| Maryland..... | 374 | 929 | -59.8 | NM | 22 | 347 | 886 | NM | * | NM | 21 |
| North Carolina..... | 286 | 458 | -37.7 | 203 | 214 | NM | 7 | NM | 1 | NM | 237 |
| South Carolina..... | 113 | 208 | -45.5 | 95 | 168 | NM | * | NM | 1 | 17 | 38 |
| Virginia..... | 939 | 2,063 | -54.5 | 755 | 1,640 | NM | 326 | -- | 2 | 33 | 95 |
| West Virginia..... | 127 | 179 | -29.2 | 127 | 157 | * | 5 | -- | -- | -- | 17 |
| East South Central..... | 510 | 849 | -40.0 | 420 | 683 | NM | 26 | -- | -- | NM | 141 |
| Alabama..... | 153 | 142 | 8.0 | 91 | 65 | 14 | 3 | -- | -- | NM | 74 |
| Kentucky..... | 108 | 106 | 2.5 | 88 | 83 | NM | 22 | -- | -- | -- | -- |
| Mississippi..... | 75 | 399 | -81.3 | 70 | 397 | -- | -- | -- | -- | NM | 2 |
| Tennessee..... | 173 | 203 | -14.5 | 171 | 137 | -- | -- | -- | -- | NM | 66 |
| West South Central | 478 | 697 | -31.4 | 303 | 496 | 97 | 87 | NM | 1 | NM | 114 |
| Arkansas..... | 40 | 90 | -55.0 | 35 | 73 | -- | -- | -- | -- | 5 | 16 |
| Louisiana..... | 262 | 278 | -5.8 | 220 | 226 | 13 | 15 | -- | -- | NM | 37 |
| Oklahoma..... | NM | 158 | -- | 13 | 137 | -- | -- | NM | * | NM | 21 |
| Texas..... | 137 | 172 | -20.2 | 35 | 59 | 85 | 72 | NM | 1 | NM | 40 |
| Mountain | 239 | 213 | 12.1 | 177 | 181 | NM | 29 | NM | * | NM | 3 |
| Arizona..... | 49 | 44 | 12.4 | 48 | 41 | -- | -- | NM | * | NM | 2 |
| Colorado..... | NM | 27 | -- | NM | 13 | 22 | 14 | * | -- | NM | * |
| Idaho..... | * | * | 50.0 | NM | * | -- | -- | -- | -- | -- | -- |
| Montana..... | NM | 15 | -- | NM | 1 | 13 | 13 | -- | 1 | -- | -- |
| Nevada..... | 12 | 10 | 23.9 | 11 | 10 | 1 | * | -- | -- | -- | -- |
| New Mexico..... | 41 | 40 | 2.3 | 40 | 38 | NM | 1 | -- | -- | NM | * |
| Utah..... | NM | 37 | -- | 23 | 36 | NM | * | -- | -- | -- | -- |
| Wyoming..... | NM | 42 | -- | NM | 41 | NM | * | -- | -- | NM | 1 |
| Pacific Contiguous | 144 | 314 | -54.2 | NM | 64 | NM | 53 | NM | * | 45 | 197 |
| California..... | 101 | 268 | -62.4 | 53 | 56 | NM | 45 | NM | * | NM | 168 |
| Oregon..... | NM | 14 | -- | NM | 5 | -- | -- | -- | * | NM | 9 |
| Washington..... | NM | 32 | -- | NM | 3 | 10 | 9 | NM | -1 | NM | 21 |
| Pacific Noncontiguous .. | 8,304 | 9,091 | -8.7 | 6,666 | 7,107 | 1,480 | 1,754 | NM | 10 | NM | 220 |
| Alaska..... | 689 | 894 | -23.0 | 654 | 753 | -- | 79 | NM | 9 | NM | 53 |
| Hawaii..... | 7,616 | 8,197 | -7.1 | 6,012 | 6,353 | 1,480 | 1,675 | 1 | 1 | NM | 166 |
| U.S. Total..... | 28,390 | 46,702 | -39.2 | 20,036 | 31,712 | 6,959 | 12,650 | 91 | 164 | 1,304 | 2,175 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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Table 1.9.A. Net Generation from Petroleum Coke by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|--------------------------------|---------------------|--------------|----------------|-----------------------|------------|-----------------------------|------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | NM | 25 | -- | -- | -- | 18 | 11 | -- | -- | NM | 15 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 18 | 11 | 66.7 | -- | -- | 18 | 11 | -- | -- | -- | -- |
| Pennsylvania..... | NM | 15 | -- | -- | -- | NM | -- | -- | -- | NM | 15 |
| East North Central..... | 156 | 146 | 6.5 | 41 | 47 | 98 | 71 | -- | -- | NM | 29 |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 7 | 21 | -67.8 | -- | 3 | 7 | 6 | -- | -- | -- | 11 |
| Ohio..... | 92 | 65 | 42.9 | -- | -- | 91 | 65 | -- | -- | NM | * |
| Wisconsin..... | 57 | 61 | -7.0 | 41 | 44 | -- | -- | -- | -- | 16 | 17 |
| West North Central..... | 16 | 42 | -61.6 | 15 | 41 | -- | -- | 1 | 1 | -- | -- |
| Iowa..... | 1 | 13 | -91.8 | * | 12 | -- | -- | 1 | 1 | -- | -- |
| Kansas..... | 5 | 14 | -66.5 | 5 | 14 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 11 | 16 | -32.7 | 11 | 16 | -- | -- | -- | -- | -- | -- |
| Missouri..... | -- | * | -- | -- | * | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 357 | 208 | 71.8 | 324 | 164 | -- | -- | -- | -- | 32 | 44 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 324 | 164 | 97.9 | 324 | 164 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 32 | 44 | -25.9 | -- | -- | -- | -- | -- | -- | 32 | 44 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 203 | 228 | -11.1 | -- | -- | 203 | 228 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 203 | 228 | -11.1 | -- | -- | 203 | 228 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 151 | 269 | -43.6 | 136 | 152 | -- | 80 | -- | -- | NM | 37 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 145 | 176 | -17.7 | 136 | 152 | -- | -- | -- | -- | NM | 24 |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | NM | 93 | -- | -- | -- | -- | 80 | -- | -- | NM | 13 |
| Mountain..... | 41 | 41 | 1.3 | -- | -- | 41 | 41 | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 41 | 41 | 1.3 | -- | -- | 41 | 41 | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 120 | 176 | -31.6 | -- | -- | 109 | 138 | -- | -- | NM | 38 |
| California..... | 120 | 176 | -31.6 | -- | -- | 109 | 138 | -- | -- | NM | 38 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 1,075 | 1,135 | -5.3 | 516 | 404 | 469 | 568 | 1 | 1 | 89 | 162 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|---------------|----------------|-----------------------|--------------|-----------------------------|--------------|-------------------|----------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | NM | 404 | -- | -- | -- | NM | 242 | -- | -- | NM | 162 |
| New Jersey | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York | NM | 242 | -- | -- | -- | NM | 242 | -- | -- | -- | -- |
| Pennsylvania | NM | 162 | -- | -- | -- | NM | -- | -- | -- | NM | 162 |
| East North Central | 1,790 | 1,761 | 1.7 | 527 | 574 | 1,017 | 825 | -- | -- | 246 | 361 |
| Illinois | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 69 | 227 | -69.7 | -- | 21 | 69 | 75 | -- | -- | -- | 131 |
| Ohio | 966 | 753 | 28.3 | -- | -- | 948 | 751 | -- | -- | NM | 2 |
| Wisconsin | 755 | 781 | -3.3 | 527 | 554 | -- | -- | -- | -- | 228 | 228 |
| West North Central | 263 | 426 | -38.3 | 258 | 417 | -- | -- | 5 | 8 | -- | -- |
| Iowa | 80 | 122 | -34.4 | 75 | 113 | -- | -- | 5 | 8 | -- | -- |
| Kansas | 68 | 150 | -54.4 | 68 | 150 | -- | -- | -- | -- | -- | -- |
| Minnesota | 115 | 154 | -25.7 | 115 | 154 | -- | -- | -- | -- | -- | -- |
| Missouri | -- | * | -- | -- | * | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 3,549 | 4,740 | -25.1 | 3,113 | 4,230 | -- | -- | -- | -- | 436 | 510 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 3,062 | 4,230 | -27.6 | 3,062 | 4,230 | -- | -- | -- | -- | -- | -- |
| Georgia | 436 | 510 | -14.5 | -- | -- | -- | -- | -- | -- | 436 | 510 |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | 52 | -- | -- | 52 | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | 2,528 | 2,392 | 5.7 | -- | -- | 2,528 | 2,392 | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | 2,528 | 2,392 | 5.7 | -- | -- | 2,528 | 2,392 | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 2,508 | 2,798 | -10.3 | 1,521 | 1,593 | 797 | 877 | -- | -- | NM | 327 |
| Arkansas | NM | -- | -- | -- | -- | -- | -- | -- | -- | NM | -- |
| Louisiana | 1,618 | 1,788 | -9.5 | 1,521 | 1,593 | -- | -- | -- | -- | NM | 194 |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas | 890 | 1,010 | -11.9 | -- | -- | 797 | 877 | -- | -- | NM | 133 |
| Mountain | 352 | 417 | -15.5 | -- | -- | 352 | 417 | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 352 | 417 | -15.5 | -- | -- | 352 | 417 | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 1,309 | 1,886 | -30.6 | -- | -- | 1,175 | 1,511 | -- | -- | NM | 374 |
| California | 1,309 | 1,886 | -30.6 | -- | -- | 1,175 | 1,511 | -- | -- | NM | 374 |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 12,600 | 14,822 | -15.0 | 5,419 | 6,815 | 6,020 | 6,265 | 5 | 8 | 1,156 | 1,734 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.10.A. Net Generation from Natural Gas by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 4,256 | 4,119 | 3.3 | NM | 4 | 4,058 | 3,896 | 34 | 40 | 162 | 180 |
| Connecticut..... | 570 | 671 | -15.1 | * | 2 | 550 | 656 | NM | 3 | NM | 10 |
| Maine..... | 686 | 473 | 45.1 | -- | -- | 559 | 326 | NM | * | 127 | 147 |
| Massachusetts..... | 1,915 | 2,094 | -8.6 | NM | 2 | 1,875 | 2,045 | 27 | 34 | NM | 14 |
| New Hampshire..... | 630 | 418 | 50.7 | * | * | 622 | 410 | -- | -- | NM | 8 |
| Rhode Island..... | 455 | 463 | -1.6 | -- | -- | 452 | 460 | NM | 3 | -- | -- |
| Vermont..... | * | * | 254.6 | * | * | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 6,186 | 5,293 | 16.9 | 1,075 | 969 | 4,943 | 4,178 | 54 | 49 | NM | 97 |
| New Jersey..... | 1,485 | 1,356 | 9.5 | NM | 1 | 1,429 | 1,306 | NM | 6 | NM | 43 |
| New York..... | 3,418 | 2,955 | 15.7 | 1,072 | 968 | 2,291 | 1,935 | 32 | 30 | 23 | 22 |
| Pennsylvania..... | 1,284 | 982 | 30.7 | NM | -- | 1,224 | 936 | NM | 14 | NM | 32 |
| East North Central | 1,151 | 1,564 | -26.4 | 133 | 258 | 909 | 1,215 | 38 | 33 | 70 | 58 |
| Illinois..... | 174 | 276 | -36.9 | NM | 44 | 115 | 186 | 33 | 26 | NM | 19 |
| Indiana..... | 187 | 152 | 23.1 | NM | 18 | 133 | 116 | NM | 1 | 30 | 16 |
| Michigan..... | 434 | 726 | -40.3 | 31 | 33 | 395 | 687 | NM | 1 | NM | 6 |
| Ohio..... | 116 | 100 | 16.4 | NM | 13 | 109 | 84 | -- | -- | NM | 3 |
| Wisconsin..... | 239 | 310 | -22.7 | 64 | 150 | 157 | 142 | NM | 5 | NM | 14 |
| West North Central | 1,173 | 934 | 25.7 | 1,039 | 757 | 124 | 163 | NM | 6 | NM | 6 |
| Iowa..... | 182 | 166 | 9.4 | 181 | 166 | NM | * | NM | 1 | * | -- |
| Kansas..... | 210 | 55 | 281.4 | 209 | 55 | -- | -- | NM | -- | NM | * |
| Minnesota..... | 155 | 337 | -54.1 | 67 | 239 | 80 | 88 | NM | 6 | NM | 4 |
| Missouri..... | 547 | 330 | 65.8 | 503 | 254 | 44 | 76 | * | * | NM | * |
| Nebraska..... | 74 | 10 | 612.9 | 74 | 10 | NM | * | NM | * | -- | -- |
| North Dakota..... | NM | 2 | -- | NM | * | -- | -- | -- | -- | NM | 2 |
| South Dakota..... | NM | 33 | -- | NM | 33 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 9,882 | 8,880 | 11.3 | 8,227 | 7,475 | 1,574 | 1,309 | NM | 3 | 78 | 92 |
| Delaware..... | 88 | 63 | 40.3 | NM | 2 | 82 | 57 | -- | -- | 5 | 4 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 7,159 | 7,536 | -5.0 | 6,481 | 6,679 | 642 | 803 | NM | 2 | 32 | 52 |
| Georgia..... | 1,172 | 593 | 97.5 | 725 | 440 | 426 | 138 | -- | -- | 21 | 15 |
| Maryland..... | 175 | 75 | 132.8 | -- | -- | 168 | 65 | NM | * | NM | 10 |
| North Carolina..... | 346 | 40 | 762.4 | 268 | 36 | 77 | 2 | -- | 1 | NM | 2 |
| South Carolina..... | 456 | 43 | 969.5 | 374 | 24 | 82 | 18 | NM | * | * | * |
| Virginia..... | 474 | 508 | -6.8 | 369 | 288 | 93 | 213 | -- | -- | 11 | 7 |
| West Virginia..... | 13 | 21 | -38.7 | 9 | 7 | NM | 13 | -- | -- | NM | 1 |
| East South Central..... | 3,609 | 2,115 | 70.6 | 1,507 | 961 | 2,023 | 1,066 | NM | 7 | 73 | 81 |
| Alabama..... | 2,104 | 1,247 | 68.7 | 798 | 552 | 1,269 | 648 | -- | -- | 37 | 47 |
| Kentucky..... | 29 | 55 | -47.1 | 15 | 46 | * | 2 | -- | -- | NM | 7 |
| Mississippi..... | 1,449 | 797 | 81.8 | 675 | 359 | 753 | 417 | NM | 1 | NM | 21 |
| Tennessee..... | 27 | 17 | 65.8 | 19 | 3 | -- | -- | NM | 7 | NM | 6 |
| West South Central | 17,308 | 18,191 | -4.9 | 4,197 | 4,545 | 8,973 | 9,078 | 40 | 38 | 4,098 | 4,530 |
| Arkansas..... | 503 | 412 | 21.9 | NM | 35 | 478 | 361 | NM | * | 14 | 17 |
| Louisiana..... | 3,158 | 2,989 | 5.7 | 922 | 823 | 472 | 298 | NM | 3 | 1,761 | 1,864 |
| Oklahoma..... | 2,170 | 1,844 | 17.7 | 1,227 | 1,368 | 931 | 463 | NM | 2 | NM | 11 |
| Texas..... | 11,478 | 12,946 | -11.3 | 2,037 | 2,319 | 7,091 | 7,956 | 36 | 33 | 2,313 | 2,638 |
| Mountain | 6,400 | 6,914 | -7.4 | 3,201 | 3,528 | 3,116 | 3,310 | NM | 13 | 72 | 64 |
| Arizona..... | 2,279 | 2,979 | -23.5 | 874 | 1,058 | 1,400 | 1,916 | NM | 5 | NM | -- |
| Colorado..... | 1,054 | 1,155 | -8.8 | 414 | 339 | 637 | 812 | 1 | 2 | NM | 2 |
| Idaho..... | 107 | 199 | -46.1 | NM | 29 | 104 | 168 | -- | -- | NM | 3 |
| Montana..... | NM | 8 | -- | NM | 1 | NM | 6 | -- | -- | NM | 1 |
| Nevada..... | 1,781 | 1,331 | 33.8 | 1,001 | 949 | 755 | 357 | -- | -- | NM | 24 |
| New Mexico..... | 559 | 482 | 16.0 | 368 | 442 | 186 | 34 | NM | 4 | NM | 1 |
| Utah..... | 577 | 719 | -19.8 | 539 | 698 | NM | 15 | NM | 2 | NM | 4 |
| Wyoming..... | 38 | 41 | -7.4 | NM | 10 | NM | 2 | -- | -- | 32 | 29 |
| Pacific Contiguous | 11,151 | 12,265 | -9.1 | 2,549 | 2,807 | 7,440 | 8,159 | 137 | 145 | 1,025 | 1,155 |
| California..... | 8,989 | 9,870 | -8.9 | 1,731 | 2,012 | 6,165 | 6,624 | 135 | 143 | 958 | 1,091 |
| Oregon..... | 1,533 | 1,585 | -3.3 | 617 | 590 | 852 | 932 | NM | 1 | 63 | 62 |
| Washington..... | 629 | 811 | -22.4 | 201 | 204 | 423 | 603 | NM | 1 | 4 | 3 |
| Pacific Noncontiguous .. | 345 | 362 | -4.6 | 341 | 354 | -- | -- | -- | * | NM | 7 |
| Alaska..... | 345 | 362 | -4.6 | 341 | 354 | -- | -- | -- | * | NM | 7 |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 61,461 | 60,637 | 1.4 | 22,273 | 21,658 | 33,160 | 32,373 | 327 | 335 | 5,701 | 6,270 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas includes a small amount of supplemental gaseous fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.10.B. Net Generation from Natural Gas by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|--------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 46,678 | 49,775 | -6.2 | NM | 241 | 44,164 | 47,140 | 485 | 478 | 1,846 | 1,917 |
| Connecticut | 7,571 | 9,215 | -17.8 | NM | 2 | 7,319 | 9,041 | NM | 40 | NM | 129 |
| Maine | 6,239 | 6,036 | 3.4 | -- | -- | 4,842 | 4,482 | NM | * | 1,396 | 1,553 |
| Massachusetts | 19,855 | 22,973 | -13.6 | NM | 221 | 19,135 | 22,221 | 409 | 404 | NM | 126 |
| New Hampshire | 6,518 | 5,361 | 21.6 | 6 | 14 | 6,415 | 5,240 | -- | -- | NM | 107 |
| Rhode Island | 6,493 | 6,189 | 4.9 | -- | -- | 6,453 | 6,156 | NM | 33 | -- | -- |
| Vermont | 2 | 2 | 40.2 | 2 | 2 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 77,940 | 77,406 | .7 | 13,886 | 13,281 | 62,048 | 62,320 | 618 | 529 | 1,388 | 1,276 |
| New Jersey | 19,587 | 17,134 | 14.3 | NM | 16 | 18,894 | 16,567 | NM | 72 | NM | 479 |
| New York | 40,911 | 42,313 | -3.3 | 13,842 | 13,266 | 26,462 | 28,511 | 351 | 295 | 256 | 242 |
| Pennsylvania | 17,442 | 17,959 | -2.9 | NM | -- | 16,692 | 17,241 | NM | 163 | NM | 555 |
| East North Central | 23,641 | 32,838 | -28.0 | 4,767 | 6,589 | 17,636 | 24,848 | 473 | 490 | 765 | 912 |
| Illinois | 3,865 | 7,229 | -46.5 | NM | 678 | 2,890 | 5,752 | 392 | 399 | NM | 400 |
| Indiana | 3,236 | 3,725 | -13.1 | NM | 915 | 2,258 | 2,598 | NM | 13 | 239 | 198 |
| Michigan | 9,233 | 12,106 | -23.7 | 840 | 1,033 | 8,285 | 10,950 | NM | 22 | NM | 100 |
| Ohio | 2,294 | 3,742 | -38.7 | NM | 1,033 | NM | 2,683 | -- | -- | NM | 26 |
| Wisconsin | 5,012 | 6,037 | -17.0 | 2,379 | 2,929 | 2,407 | 2,865 | NM | 55 | NM | 187 |
| West North Central | 11,946 | 14,212 | -15.9 | 9,656 | 11,770 | 2,146 | 2,268 | NM | 85 | NM | 89 |
| Iowa | 1,945 | 2,717 | -28.4 | 1,938 | 2,712 | NM | * | NM | 5 | 1 | -- |
| Kansas | 2,251 | 2,013 | 11.8 | 2,228 | 2,005 | -- | -- | NM | -- | NM | 8 |
| Minnesota | 2,084 | 3,431 | -39.2 | NM | 1,887 | 910 | 1,414 | NM | 66 | NM | 63 |
| Missouri | 4,783 | 4,625 | 3.4 | 3,544 | 3,761 | 1,234 | 853 | 1 | 9 | NM | 3 |
| Nebraska | 702 | 1,085 | -35.3 | 701 | 1,079 | NM | 2 | NM | 4 | -- | -- |
| North Dakota | NM | 15 | -- | NM | * | -- | -- | -- | -- | NM | 15 |
| South Dakota | NM | 326 | -- | NM | 326 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 130,436 | 133,015 | -1.9 | 106,149 | 104,052 | 23,132 | 27,628 | NM | 49 | 1,097 | 1,286 |
| Delaware | 1,332 | 1,781 | -25.2 | NM | 41 | 1,270 | 1,525 | -- | -- | 44 | 215 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 96,221 | 93,156 | 3.3 | 86,321 | 82,117 | 9,321 | 10,393 | NM | 40 | 525 | 606 |
| Georgia | 12,700 | 15,250 | -16.7 | 7,160 | 8,265 | 5,274 | 6,810 | -- | -- | 267 | 174 |
| Maryland | 1,572 | 2,148 | -26.8 | -- | -- | 1,492 | 2,045 | NM | * | NM | 103 |
| North Carolina | 4,091 | 4,335 | -5.6 | 3,170 | 3,391 | 886 | 912 | 1 | 7 | NM | 25 |
| South Carolina | 5,519 | 5,842 | -5.5 | 4,385 | 4,504 | NM | 1,333 | NM | 1 | 4 | 4 |
| Virginia | 8,844 | 10,140 | -12.8 | 5,049 | 5,607 | 3,656 | 4,398 | -- | -- | 140 | 134 |
| West Virginia | NM | 363 | -- | 48 | 126 | NM | 212 | -- | -- | NM | 25 |
| East South Central | 41,010 | 44,297 | -7.4 | 18,553 | 19,241 | 21,433 | 23,907 | NM | 82 | 948 | 1,067 |
| Alabama | 20,459 | 21,733 | -5.9 | 7,739 | 7,544 | 12,191 | 13,673 | -- | -- | 529 | 517 |
| Kentucky | NM | 1,727 | -- | 653 | 1,445 | 111 | 94 | -- | -- | NM | 188 |
| Mississippi | 19,191 | 20,150 | -4.8 | 9,814 | 9,740 | 9,128 | 10,085 | NM | 11 | NM | 314 |
| Tennessee | NM | 687 | -- | 347 | 512 | 2 | 56 | NM | 71 | NM | 48 |
| West South Central | 260,625 | 265,869 | -2.0 | 61,986 | 63,039 | 149,362 | 150,979 | 506 | 471 | 48,771 | 51,380 |
| Arkansas | 8,085 | 8,037 | .6 | NM | 951 | 6,848 | 6,917 | NM | * | 183 | 169 |
| Louisiana | 39,925 | 40,870 | -2.3 | 13,644 | 12,990 | 7,212 | 7,741 | NM | 39 | 19,036 | 20,099 |
| Oklahoma | 31,048 | 30,829 | .7 | 17,891 | 17,667 | 12,995 | 13,041 | NM | 23 | NM | 97 |
| Texas | 181,567 | 186,133 | -2.5 | 29,398 | 31,430 | 122,307 | 123,280 | 443 | 408 | 29,420 | 31,014 |
| Mountain | 82,834 | 84,631 | -2.1 | 42,071 | 42,061 | 39,640 | 41,513 | NM | 160 | 966 | 897 |
| Arizona | 34,403 | 35,290 | -2.5 | 13,100 | 13,205 | 21,230 | 22,012 | NM | 61 | NM | 12 |
| Colorado | 12,102 | 13,742 | -11.9 | 4,494 | 4,629 | 7,542 | 9,065 | 39 | 27 | NM | 21 |
| Idaho | 1,488 | 1,445 | 3.0 | NM | 210 | 1,351 | 1,201 | -- | -- | 31 | 34 |
| Montana | NM | 98 | -- | NM | 14 | NM | 75 | -- | -- | NM | 10 |
| Nevada | 21,303 | 20,675 | 3.0 | 12,515 | 12,208 | 8,460 | 8,084 | -- | -- | NM | 383 |
| New Mexico | 6,318 | 6,124 | 3.2 | 5,616 | 5,626 | NM | 428 | NM | 54 | NM | 16 |
| Utah | 6,678 | 6,723 | -.7 | 6,175 | 6,036 | NM | 627 | NM | 18 | NM | 41 |
| Wyoming | 459 | 533 | -14.0 | NM | 133 | NM | 21 | -- | -- | 373 | 380 |
| Pacific Contiguous | 129,576 | 124,261 | 4.3 | 30,022 | 26,920 | 86,517 | 83,677 | 1,506 | 1,568 | 11,531 | 12,096 |
| California | 105,742 | 104,709 | 1.0 | 22,670 | 20,880 | 70,772 | 70,895 | 1,487 | 1,556 | 10,813 | 11,378 |
| Oregon | 15,626 | 13,051 | 19.7 | 5,515 | 4,477 | 9,421 | 7,883 | NM | 5 | 686 | 687 |
| Washington | 8,208 | 6,500 | 26.3 | 1,837 | 1,563 | 6,324 | 4,899 | NM | 7 | 32 | 31 |
| Pacific Noncontiguous | 3,541 | 3,479 | 1.8 | 3,448 | 3,407 | -- | -- | -- | -- | NM | 71 |
| Alaska | 3,541 | 3,479 | 1.8 | 3,448 | 3,407 | -- | -- | -- | * | NM | 71 |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 808,226 | 829,782 | -2.6 | 290,720 | 290,601 | 446,078 | 464,280 | 3,939 | 3,911 | 67,490 | 70,991 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas includes a small amount of supplemental gaseous fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.11.A. Net Generation from Other Gases by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|--------------|----------------|-----------------------|-----------|-----------------------------|------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | -- | * | -- | -- | -- | -- | * | -- | -- | -- | -- |
| Connecticut | -- | * | -- | -- | -- | -- | * | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 38 | 55 | -30.7 | -- | -- | NM | * | -- | -- | 38 | 55 |
| New Jersey | NM | 12 | -- | -- | -- | -- | -- | -- | -- | NM | 12 |
| New York | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania | 33 | 43 | -22.5 | -- | -- | NM | * | -- | -- | 33 | 43 |
| East North Central | 163 | 259 | -36.8 | -- | 11 | * | 28 | -- | -- | 163 | 219 |
| Illinois | NM | 10 | -- | -- | -- | -- | 2 | -- | -- | NM | 8 |
| Indiana | 155 | 205 | -24.6 | -- | -- | NM | -- | -- | -- | 155 | 205 |
| Michigan | * | 25 | -98.6 | -- | 11 | * | 14 | -- | -- | -- | -- |
| Ohio | NM | 18 | -- | -- | -- | -- | 12 | -- | -- | NM | 6 |
| Wisconsin | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central | NM | 6 | -- | * | 2 | -- | -- | -- | -- | NM | 4 |
| Iowa | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | -- | 2 | -- | -- | 2 | -- | -- | -- | -- | -- | -- |
| Missouri | * | * | 73.3 | * | * | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | NM | 4 | -- | -- | -- | -- | -- | -- | -- | NM | 4 |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 16 | 96 | -83.3 | -- | -- | 1 | 30 | -- | -- | 15 | 66 |
| Delaware | 10 | 61 | -83.1 | -- | -- | -- | -- | -- | -- | 10 | 61 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1 | 1 | -33.4 | -- | -- | * | * | -- | -- | 1 | 1 |
| Georgia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland | 1 | 30 | -97.5 | -- | -- | 1 | 30 | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | 4 | 4 | 2.3 | -- | -- | -- | -- | -- | -- | 4 | 4 |
| East South Central | NM | 20 | -- | * | 1 | -- | -- | -- | -- | NM | 20 |
| Alabama | 10 | 16 | -36.0 | -- | -- | -- | -- | -- | -- | 10 | 16 |
| Kentucky | * | 1 | -12.1 | * | 1 | -- | -- | -- | -- | -- | -- |
| Mississippi | NM | 3 | -- | -- | -- | -- | -- | -- | -- | NM | 3 |
| Tennessee | 1 | 1 | -36.1 | -- | -- | -- | -- | -- | -- | 1 | 1 |
| West South Central | 264 | 426 | -38.0 | -- | -- | 134 | 232 | -- | -- | 130 | 193 |
| Arkansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 56 | 138 | -59.6 | -- | -- | 22 | 59 | -- | -- | NM | 79 |
| Oklahoma | NM | 2 | -- | -- | -- | -- | -- | -- | -- | NM | 2 |
| Texas | 208 | 286 | -27.2 | -- | -- | 112 | 173 | -- | -- | 95 | 112 |
| Mountain | NM | 25 | -- | * | * | * | 2 | -- | -- | NM | 23 |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | * | * | -66.1 | * | * | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | * | 1 | -98.5 | -- | -- | * | 1 | -- | -- | -- | -- |
| Nevada | * | * | -71.5 | -- | -- | * | * | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | NM | -- | -- | -- | -- | -- | -- | -- | -- | NM | -- |
| Wyoming | 21 | 23 | -7.1 | -- | -- | -- | -- | -- | -- | 21 | 23 |
| Pacific Contiguous | 162 | 140 | 16.0 | -- | -- | 25 | 25 | NM | -- | 137 | 114 |
| California | 139 | 114 | 21.7 | -- | -- | NM | * | NM | -- | 137 | 114 |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | 23 | 25 | -9.8 | -- | -- | 23 | 25 | -- | -- | -- | -- |
| Pacific Noncontiguous .. | NM | 5 | -- | -- | -- | -- | -- | -- | -- | NM | 5 |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | NM | 5 | -- | -- | -- | -- | -- | -- | -- | NM | 5 |
| U.S. Total | 686 | 1,031 | -33.5 | 1 | 14 | 160 | 318 | -- | -- | 525 | 699 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.11.B. Net Generation from Other Gases by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|---------------|----------------|-----------------------|------------|-----------------------------|--------------|-------------------|------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | -- | 2 | -- | -- | -- | -- | 2 | -- | -- | -- | -- |
| Connecticut | -- | 2 | -- | -- | -- | -- | 2 | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 566 | 630 | -10.1 | -- | -- | NM | 1 | -- | -- | 565 | 629 |
| New Jersey | NM | 146 | -- | -- | -- | -- | * | -- | -- | NM | 145 |
| New York | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania | 472 | 484 | -2.5 | -- | -- | NM | 1 | -- | -- | 471 | 483 |
| East North Central | 3,218 | 3,019 | 6.6 | 5 | 94 | 462 | 322 | -- | -- | 2,751 | 2,603 |
| Illinois | NM | 127 | -- | -- | -- | 10 | 25 | -- | -- | NM | 103 |
| Indiana | 2,503 | 2,373 | 5.5 | -- | -- | NM | * | -- | -- | 2,501 | 2,373 |
| Michigan | 344 | 250 | 37.4 | -- | 94 | 344 | 157 | -- | -- | -- | -- |
| Ohio | NM | 269 | -- | 5 | -- | 108 | 141 | -- | -- | NM | 128 |
| Wisconsin | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central | NM | 74 | -- | 2 | 26 | -- | -- | -- | -- | NM | 48 |
| Iowa | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | -- | 24 | -- | -- | 24 | -- | -- | -- | -- | -- | -- |
| Missouri | 2 | 3 | -24.2 | 2 | 3 | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | NM | 48 | -- | -- | -- | -- | -- | -- | -- | NM | 48 |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 861 | 1,083 | -20.5 | -- | -- | 338 | 349 | -- | -- | 523 | 734 |
| Delaware | 465 | 669 | -30.4 | -- | -- | -- | -- | -- | -- | 465 | 669 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 9 | 14 | -35.8 | -- | -- | * | * | -- | -- | 9 | 14 |
| Georgia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland | 338 | 349 | -3.2 | -- | -- | 338 | 349 | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | * | -- | -- | -- | -- | -- | -- | -- | -- | * |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | 49 | 51 | -4.4 | -- | -- | -- | -- | -- | -- | 49 | 51 |
| East South Central | 205 | 214 | -4.5 | 4 | 4 | -- | -- | -- | -- | 201 | 210 |
| Alabama | 165 | 157 | 5.0 | -- | -- | -- | -- | -- | -- | 165 | 157 |
| Kentucky | 4 | 4 | -14.6 | 4 | 4 | -- | -- | -- | -- | -- | -- |
| Mississippi | NM | 40 | -- | -- | -- | -- | -- | -- | -- | NM | 40 |
| Tennessee | 11 | 12 | -9.0 | -- | -- | -- | -- | -- | -- | 11 | 12 |
| West South Central | 6,148 | 5,047 | 21.8 | -- | -- | 3,140 | 2,561 | -- | -- | 3,009 | 2,486 |
| Arkansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 2,587 | 1,686 | 53.5 | -- | -- | 1,277 | 612 | -- | -- | NM | 1,074 |
| Oklahoma | NM | 21 | -- | -- | -- | -- | -- | -- | -- | NM | 21 |
| Texas | 3,554 | 3,340 | 6.4 | -- | -- | 1,863 | 1,949 | -- | -- | 1,691 | 1,392 |
| Mountain | 297 | 303 | -1.8 | 1 | 2 | 16 | 21 | -- | -- | NM | 280 |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | 1 | 2 | -62.8 | 1 | 2 | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 12 | 17 | -32.2 | -- | -- | 12 | 17 | -- | -- | -- | -- |
| Nevada | 5 | 4 | 25.3 | -- | -- | 5 | 4 | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | NM | -- | -- | -- | -- | -- | -- | -- | -- | NM | -- |
| Wyoming | 258 | 280 | -7.7 | -- | -- | -- | -- | -- | -- | 258 | 280 |
| Pacific Contiguous | 1,881 | 2,018 | -6.8 | 8 | -- | 284 | 323 | NM | -- | 1,589 | 1,695 |
| California | 1,627 | 1,707 | -4.7 | 8 | -- | NM | 12 | NM | -- | 1,589 | 1,695 |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | 253 | 311 | -18.5 | -- | -- | 253 | 311 | -- | -- | -- | -- |
| Pacific Noncontiguous .. | NM | 41 | -- | -- | -- | -- | -- | -- | -- | NM | 41 |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | NM | 41 | -- | -- | -- | -- | -- | -- | -- | NM | 41 |
| U.S. Total | 13,253 | 12,431 | 6.6 | 19 | 126 | 4,241 | 3,579 | -- | -- | 8,992 | 8,726 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.12.A. Net Generation from Nuclear Energy by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|----------|-------------------|----------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 2,455 | 3,300 | -25.6 | -- | -- | 2,455 | 3,300 | -- | -- | -- | -- |
| Connecticut | 771 | 1,456 | -47.0 | -- | -- | 771 | 1,456 | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | 492 | 495 | -.5 | -- | -- | 492 | 495 | -- | -- | -- | -- |
| New Hampshire | 895 | 898 | -.3 | -- | -- | 895 | 898 | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | 297 | 451 | -34.2 | -- | -- | 297 | 451 | -- | -- | -- | -- |
| Middle Atlantic | 12,883 | 12,087 | 6.6 | -- | -- | 12,883 | 12,087 | -- | -- | -- | -- |
| New Jersey | 2,264 | 2,451 | -7.6 | -- | -- | 2,264 | 2,451 | -- | -- | -- | -- |
| New York | 3,683 | 3,193 | 15.3 | -- | -- | 3,683 | 3,193 | -- | -- | -- | -- |
| Pennsylvania | 6,936 | 6,443 | 7.6 | -- | -- | 6,936 | 6,443 | -- | -- | -- | -- |
| East North Central | 12,629 | 12,638 | -.1 | 1,601 | 1,671 | 11,028 | 10,967 | -- | -- | -- | -- |
| Illinois | 7,891 | 7,740 | 2.0 | -- | -- | 7,891 | 7,740 | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 2,183 | 2,252 | -3.1 | 1,601 | 1,671 | 582 | 581 | -- | -- | -- | -- |
| Ohio | 1,577 | 1,484 | 6.2 | -- | -- | 1,577 | 1,484 | -- | -- | -- | -- |
| Wisconsin | 979 | 1,162 | -15.8 | -- | -- | 979 | 1,162 | -- | -- | -- | -- |
| West North Central | 3,963 | 4,304 | -7.9 | 3,524 | 3,866 | 439 | 438 | -- | -- | -- | -- |
| Iowa | 439 | 438 | .2 | -- | -- | 439 | 438 | -- | -- | -- | -- |
| Kansas | 858 | 859 | -.1 | 858 | 859 | -- | -- | -- | -- | -- | -- |
| Minnesota | 1,152 | 1,196 | -3.7 | 1,152 | 1,196 | -- | -- | -- | -- | -- | -- |
| Missouri | 579 | 889 | -34.8 | 579 | 889 | -- | -- | -- | -- | -- | -- |
| Nebraska | 934 | 922 | 1.3 | 934 | 922 | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 15,238 | 15,185 | .3 | 13,976 | 13,922 | 1,261 | 1,263 | -- | -- | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 2,480 | 1,700 | 45.9 | 2,480 | 1,700 | -- | -- | -- | -- | -- | -- |
| Georgia | 2,704 | 2,922 | -7.4 | 2,704 | 2,922 | -- | -- | -- | -- | -- | -- |
| Maryland | 1,261 | 1,263 | -.1 | -- | -- | 1,261 | 1,263 | -- | -- | -- | -- |
| North Carolina | 2,895 | 3,699 | -21.7 | 2,895 | 3,699 | -- | -- | -- | -- | -- | -- |
| South Carolina | 3,713 | 3,696 | .5 | 3,713 | 3,696 | -- | -- | -- | -- | -- | -- |
| Virginia | 2,184 | 1,905 | 14.6 | 2,184 | 1,905 | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | 5,417 | 5,920 | -8.5 | 5,417 | 5,920 | -- | -- | -- | -- | -- | -- |
| Alabama | 2,321 | 3,019 | -23.1 | 2,321 | 3,019 | -- | -- | -- | -- | -- | -- |
| Kentucky | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi | 880 | 916 | -3.9 | 880 | 916 | -- | -- | -- | -- | -- | -- |
| Tennessee | 2,215 | 1,985 | 11.6 | 2,215 | 1,985 | -- | -- | -- | -- | -- | -- |
| West South Central | 5,829 | 6,270 | -7.0 | 2,299 | 2,627 | 3,531 | 3,643 | -- | -- | -- | -- |
| Arkansas | 726 | 1,349 | -46.2 | 726 | 1,349 | -- | -- | -- | -- | -- | -- |
| Louisiana | 1,573 | 1,278 | 23.0 | 1,573 | 1,278 | -- | -- | -- | -- | -- | -- |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas | 3,531 | 3,643 | -3.1 | -- | -- | 3,531 | 3,643 | -- | -- | -- | -- |
| Mountain | 1,945 | 1,566 | 24.2 | 1,945 | 1,566 | -- | -- | -- | -- | -- | -- |
| Arizona | 1,945 | 1,566 | 24.2 | 1,945 | 1,566 | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 3,049 | 3,629 | -16.0 | 3,049 | 3,629 | -- | -- | -- | -- | -- | -- |
| California | 2,416 | 2,833 | -14.7 | 2,416 | 2,833 | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | 633 | 796 | -20.5 | 633 | 796 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 63,408 | 64,899 | -2.3 | 31,811 | 33,202 | 31,597 | 31,697 | -- | -- | -- | -- |

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.12.B. Net Generation from Nuclear Energy by State by Sector, Year-to-Date through November 2008 and 2007

(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|------|-------------------|------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 32,154 | 33,616 | -4.3 | -- | -- | 32,154 | 33,616 | -- | -- | -- | -- |
| Connecticut | 13,868 | 14,885 | -6.8 | -- | -- | 13,868 | 14,885 | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | 5,427 | 4,653 | 16.6 | -- | -- | 5,427 | 4,653 | -- | -- | -- | -- |
| New Hampshire | 8,424 | 9,838 | -14.4 | -- | -- | 8,424 | 9,838 | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | 4,435 | 4,240 | 4.6 | -- | -- | 4,435 | 4,240 | -- | -- | -- | -- |
| Middle Atlantic | 139,878 | 137,977 | 1.4 | -- | -- | 139,878 | 137,977 | -- | -- | -- | -- |
| New Jersey | 29,126 | 29,180 | -2 | -- | -- | 29,126 | 29,180 | -- | -- | -- | -- |
| New York | 39,282 | 38,541 | 1.9 | -- | -- | 39,282 | 38,541 | -- | -- | -- | -- |
| Pennsylvania | 71,470 | 70,256 | 1.7 | -- | -- | 71,470 | 70,256 | -- | -- | -- | -- |
| East North Central | 143,171 | 141,952 | .9 | 22,998 | 23,218 | 120,173 | 118,734 | -- | -- | -- | -- |
| Illinois | 86,991 | 87,282 | -3 | -- | -- | 86,991 | 87,282 | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 29,230 | 28,439 | 2.8 | 22,998 | 23,218 | 6,231 | 5,221 | -- | -- | -- | -- |
| Ohio | 15,988 | 14,511 | 10.2 | -- | -- | 15,988 | 14,511 | -- | -- | -- | -- |
| Wisconsin | 10,963 | 11,719 | -6.5 | -- | -- | 10,963 | 11,719 | -- | -- | -- | -- |
| West North Central | 41,530 | 43,986 | -5.6 | 36,683 | 39,921 | 4,847 | 4,065 | -- | -- | -- | -- |
| Iowa | 4,847 | 4,065 | 19.2 | -- | -- | 4,847 | 4,065 | -- | -- | -- | -- |
| Kansas | 7,611 | 9,483 | -19.7 | 7,611 | 9,483 | -- | -- | -- | -- | -- | -- |
| Minnesota | 11,754 | 11,907 | -1.3 | 11,754 | 11,907 | -- | -- | -- | -- | -- | -- |
| Missouri | 8,807 | 8,452 | 4.2 | 8,807 | 8,452 | -- | -- | -- | -- | -- | -- |
| Nebraska | 8,511 | 10,079 | -15.5 | 8,511 | 10,079 | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 179,005 | 179,376 | -.2 | 165,632 | 166,335 | 13,373 | 13,040 | -- | -- | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 28,911 | 27,089 | 6.7 | 28,911 | 27,089 | -- | -- | -- | -- | -- | -- |
| Georgia | 28,604 | 29,506 | -3.1 | 28,604 | 29,506 | -- | -- | -- | -- | -- | -- |
| Maryland | 13,373 | 13,040 | 2.6 | -- | -- | 13,373 | 13,040 | -- | -- | -- | -- |
| North Carolina | 35,641 | 36,234 | -1.6 | 35,641 | 36,234 | -- | -- | -- | -- | -- | -- |
| South Carolina | 47,117 | 48,641 | -3.1 | 47,117 | 48,641 | -- | -- | -- | -- | -- | -- |
| Virginia | 25,359 | 24,865 | 2.0 | 25,359 | 24,865 | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | 68,163 | 65,221 | 4.5 | 68,163 | 65,221 | -- | -- | -- | -- | -- | -- |
| Alabama | 35,307 | 30,717 | 14.9 | 35,307 | 30,717 | -- | -- | -- | -- | -- | -- |
| Kentucky | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi | 8,445 | 8,414 | .4 | 8,445 | 8,414 | -- | -- | -- | -- | -- | -- |
| Tennessee | 24,412 | 26,089 | -6.4 | 24,412 | 26,089 | -- | -- | -- | -- | -- | -- |
| West South Central | 63,791 | 66,836 | -4.6 | 26,879 | 29,636 | 36,913 | 37,199 | -- | -- | -- | -- |
| Arkansas | 13,124 | 14,092 | -6.9 | 13,124 | 14,092 | -- | -- | -- | -- | -- | -- |
| Louisiana | 13,754 | 15,544 | -11.5 | 13,754 | 15,544 | -- | -- | -- | -- | -- | -- |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas | 36,913 | 37,199 | -.8 | -- | -- | 36,913 | 37,199 | -- | -- | -- | -- |
| Mountain | 26,733 | 24,824 | 7.7 | 26,733 | 24,824 | -- | -- | -- | -- | -- | -- |
| Arizona | 26,733 | 24,824 | 7.7 | 26,733 | 24,824 | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 38,265 | 40,656 | -5.9 | 38,265 | 40,656 | -- | -- | -- | -- | -- | -- |
| California | 29,824 | 33,387 | -10.7 | 29,824 | 33,387 | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | 8,441 | 7,269 | 16.1 | 8,441 | 7,269 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous .. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 732,692 | 734,442 | -.2 | 385,354 | 389,810 | 347,338 | 344,632 | -- | -- | -- | -- |

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|--------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | | | | |
| New England | 645 | 667 | -3.3 | 110 | 101 | 474 | 496 | -- | 1 | 61 | 70 |
| Connecticut..... | NM | 36 | -- | NM | 3 | NM | 34 | -- | -- | -- | -- |
| Maine..... | 301 | 328 | -8.0 | -- | -- | 242 | 260 | -- | -- | 60 | 67 |
| Massachusetts..... | 104 | 90 | 15.7 | NM | 21 | 66 | 67 | -- | 1 | -- | 2 |
| New Hampshire..... | 111 | 141 | -21.4 | 36 | 33 | 76 | 108 | -- | -- | NM | 1 |
| Rhode Island..... | NM | * | -- | -- | -- | NM | * | -- | -- | -- | -- |
| Vermont..... | 95 | 71 | 33.8 | NM | 44 | NM | 27 | -- | -- | NM | * |
| Middle Atlantic | 2,379 | 2,225 | 6.9 | 1,930 | 1,775 | 443 | 449 | -- | * | 6 | 1 |
| New Jersey..... | NM | 2 | -- | -- | -- | NM | 2 | -- | -- | -- | -- |
| New York..... | 2,248 | 2,047 | 9.8 | 1,888 | 1,699 | 353 | 347 | -- | -- | 6 | 1 |
| Pennsylvania..... | 129 | 177 | -27.2 | 42 | 76 | 87 | 101 | -- | -- | -- | -- |
| East North Central | 290 | 265 | 9.4 | 266 | 242 | NM | 9 | -- | * | NM | 13 |
| Illinois..... | NM | 8 | -- | NM | 4 | NM | 5 | -- | -- | -- | -- |
| Indiana..... | 43 | 52 | -17.2 | 43 | 52 | -- | -- | -- | -- | -- | -- |
| Michigan..... | 90 | 43 | 111.1 | 82 | 39 | NM | 3 | -- | -- | NM | 1 |
| Ohio..... | 47 | 57 | -16.9 | 47 | 57 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 99 | 105 | -5.6 | 88 | 91 | NM | 2 | -- | * | NM | 12 |
| West North Central | 389 | 439 | -11.6 | 383 | 413 | NM | 9 | -- | -- | 2 | 17 |
| Iowa..... | NM | 89 | -- | NM | 89 | NM | * | -- | -- | -- | -- |
| Kansas..... | NM | * | -- | -- | -- | NM | * | -- | -- | -- | -- |
| Minnesota..... | NM | 112 | -- | NM | 86 | NM | 9 | -- | -- | 2 | 17 |
| Missouri..... | 59 | 11 | 445.7 | 59 | 11 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | NM | 18 | -- | NM | 18 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 91 | 82 | 11.7 | 91 | 82 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | 133 | 128 | 3.3 | 133 | 128 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 627 | 592 | 6.0 | 492 | 387 | 120 | 184 | -- | * | 16 | 20 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | NM | 9 | -- | NM | 9 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 181 | 165 | 9.7 | 179 | 163 | NM | * | -- | -- | NM | 1 |
| Maryland..... | 68 | 122 | -44.3 | -- | -- | 68 | 122 | -- | -- | -- | -- |
| North Carolina..... | 143 | 68 | 110.5 | 124 | 59 | NM | 8 | -- | * | -- | * |
| South Carolina..... | 94 | 66 | 41.7 | 92 | 65 | NM | 1 | -- | * | -- | -- |
| Virginia..... | 54 | 58 | -7.3 | 49 | 55 | NM | 3 | -- | -- | NM | -- |
| West Virginia..... | 75 | 104 | -27.7 | NM | 36 | 26 | 50 | -- | -- | 14 | 19 |
| East South Central..... | 655 | 468 | 40.1 | 655 | 468 | -- | * | -- | -- | -- | -- |
| Alabama..... | 280 | 179 | 56.3 | 280 | 179 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 69 | 96 | -28.1 | 69 | 96 | -- | * | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 307 | 193 | 58.9 | 307 | 193 | -- | -- | -- | -- | -- | -- |
| West South Central | 538 | 236 | 128.0 | 500 | 199 | 39 | 37 | -- | -- | -- | -- |
| Arkansas..... | 379 | 101 | 273.9 | 379 | 101 | -- | * | -- | -- | -- | -- |
| Louisiana..... | 36 | 32 | 10.6 | -- | -- | 36 | 32 | -- | -- | -- | -- |
| Oklahoma..... | 93 | 72 | 29.7 | 93 | 72 | -- | -- | -- | -- | -- | -- |
| Texas..... | NM | 31 | -- | NM | 26 | NM | 4 | -- | -- | -- | -- |
| Mountain | 1,938 | 1,565 | 23.8 | 1,682 | 1,367 | 255 | 198 | -- | -- | -- | -- |
| Arizona..... | 516 | 525 | -1.7 | 516 | 525 | -- | -- | -- | -- | -- | -- |
| Colorado..... | 99 | 111 | -11.2 | 91 | 105 | NM | 7 | -- | -- | -- | -- |
| Idaho..... | 491 | 340 | 44.3 | 464 | 324 | NM | 16 | -- | -- | -- | -- |
| Montana..... | 621 | 491 | 26.5 | 402 | 316 | 219 | 175 | -- | -- | -- | -- |
| Nevada..... | 99 | 27 | 264.8 | 99 | 27 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | NM | 14 | -- | NM | 14 | -- | -- | -- | -- | -- | -- |
| Utah..... | NM | 35 | -- | NM | 35 | NM | * | -- | -- | -- | -- |
| Wyoming..... | NM | 21 | -- | NM | 21 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 9,539 | 9,137 | 4.4 | 9,379 | 9,081 | 158 | 52 | 3 | 4 | NM | * |
| California..... | NM | NM | -- | NM | NM | NM | NM | NM | NM | NM | NM |
| Oregon..... | 2,420 | 2,388 | 1.3 | 2,403 | 2,371 | NM | 17 | -- | -- | -- | -- |
| Washington..... | 4,997 | 5,032 | -7 | 4,985 | 5,019 | NM | 11 | 3 | 3 | NM | * |
| Pacific Noncontiguous .. | 81 | 87 | -6.6 | 76 | 83 | NM | 2 | -- | -- | NM | 2 |
| Alaska..... | 75 | 83 | -9.7 | 75 | 83 | -- | -- | -- | -- | -- | -- |
| Hawaii..... | NM | 4 | -- | NM | 1 | NM | 2 | -- | -- | NM | 2 |
| U.S. Total..... | 17,081 | 15,682 | 8.9 | 15,474 | 14,118 | 1,505 | 1,436 | 3 | 5 | 100 | 123 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|---------------|-------------------|-----------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | 2008 | 2007 | 2008 | 2007 |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | | | | |
| New England | 7,789 | 6,157 | 26.5 | NM | 838 | 5,912 | 4,665 | 4 | 5 | 689 | 649 |
| Connecticut | NM | 328 | -- | NM | 25 | NM | 303 | -- | -- | -- | -- |
| Maine | 3,551 | 3,383 | 4.9 | -- | -- | NM | 2,751 | -- | -- | 668 | 632 |
| Massachusetts | NM | 702 | -- | NM | 163 | NM | 522 | 4 | 5 | 3 | 12 |
| New Hampshire | NM | 1,167 | -- | NM | 295 | NM | 868 | -- | -- | NM | 4 |
| Rhode Island | NM | 4 | -- | -- | -- | NM | 4 | -- | -- | -- | -- |
| Vermont | NM | 573 | -- | NM | 354 | NM | 218 | -- | -- | NM | 1 |
| Middle Atlantic | 26,641 | 25,042 | 6.4 | 21,143 | 20,061 | 5,432 | 4,926 | 3 | 3 | 63 | 51 |
| New Jersey | NM | 19 | -- | -- | -- | NM | 19 | -- | -- | -- | -- |
| New York | 24,346 | 23,102 | 5.4 | 20,109 | 19,137 | NM | 3,911 | 3 | 3 | 63 | 51 |
| Pennsylvania | NM | 1,920 | -- | NM | 924 | NM | 997 | -- | -- | -- | -- |
| East North Central | 3,733 | 3,476 | 7.4 | NM | 3,100 | NM | 186 | 1 | 1 | NM | 189 |
| Illinois | NM | 142 | -- | NM | 63 | NM | 79 | -- | -- | -- | -- |
| Indiana | NM | 420 | -- | NM | 420 | -- | -- | -- | -- | -- | -- |
| Michigan | NM | 1,126 | -- | NM | 1,017 | NM | 86 | -- | -- | NM | 23 |
| Ohio | NM | 385 | -- | NM | 385 | -- | -- | -- | -- | -- | -- |
| Wisconsin | NM | 1,403 | -- | NM | 1,215 | NM | 21 | 1 | 1 | NM | 166 |
| West North Central | 7,445 | 6,824 | 9.1 | 7,314 | 6,681 | NM | 58 | -- | -- | 72 | 84 |
| Iowa | NM | 884 | -- | NM | 883 | 6 | * | -- | -- | -- | -- |
| Kansas | NM | 10 | -- | -- | -- | NM | 10 | -- | -- | -- | -- |
| Minnesota | NM | 578 | -- | NM | 446 | NM | 48 | -- | -- | 72 | 84 |
| Missouri | 1,942 | 1,176 | 65.1 | 1,942 | 1,176 | -- | -- | -- | -- | -- | -- |
| Nebraska | NM | 321 | -- | NM | 321 | -- | -- | -- | -- | -- | -- |
| North Dakota | 1,147 | 1,190 | -3.7 | 1,147 | 1,190 | -- | -- | -- | -- | -- | -- |
| South Dakota | 2,487 | 2,665 | -6.7 | 2,487 | 2,665 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 11,058 | 10,324 | 7.1 | 7,913 | 7,779 | NM | 2,108 | 9 | 8 | 585 | 430 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | NM | 143 | -- | NM | 143 | -- | -- | -- | -- | -- | -- |
| Georgia | 2,346 | 2,117 | 10.8 | 2,320 | 2,098 | NM | 1 | -- | -- | NM | 18 |
| Maryland | 1,691 | 1,414 | 19.6 | -- | -- | 1,691 | 1,414 | -- | -- | -- | -- |
| North Carolina | 3,039 | 2,867 | 6.0 | 2,447 | 2,581 | NM | 278 | 7 | 7 | 175 | 2 |
| South Carolina | NM | 1,484 | -- | NM | 1,453 | NM | 30 | 1 | 1 | -- | -- |
| Virginia | NM | 1,184 | -- | NM | 1,122 | NM | 56 | -- | -- | 6 | 6 |
| West Virginia | NM | 1,115 | -- | NM | 383 | NM | 328 | -- | -- | 383 | 403 |
| East South Central | 13,002 | 10,220 | 27.2 | 12,778 | 10,218 | -- | 2 | -- | -- | 223 | -- |
| Alabama | 5,371 | 3,969 | 35.3 | 5,371 | 3,969 | -- | -- | -- | -- | -- | -- |
| Kentucky | 1,895 | 1,522 | 24.5 | 1,895 | 1,520 | -- | 2 | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | 5,736 | 4,729 | 21.3 | 5,513 | 4,729 | -- | -- | -- | -- | 223 | -- |
| West South Central | 9,271 | 8,355 | 11.0 | 8,224 | 7,532 | 1,047 | 823 | -- | -- | -- | -- |
| Arkansas | 4,362 | 3,039 | 43.5 | 4,362 | 3,039 | -- | 1 | -- | -- | -- | -- |
| Louisiana | 1,008 | 775 | 30.1 | -- | -- | 1,008 | 775 | -- | -- | -- | -- |
| Oklahoma | 2,794 | 2,920 | -4.3 | 2,794 | 2,920 | -- | -- | -- | -- | -- | -- |
| Texas | NM | 1,621 | -- | NM | 1,573 | NM | 47 | -- | -- | -- | -- |
| Mountain | 29,771 | 28,210 | 5.5 | 26,036 | 24,420 | 3,735 | 3,789 | -- | -- | -- | -- |
| Arizona | 6,827 | 6,038 | 13.1 | 6,827 | 6,038 | -- | -- | -- | -- | -- | -- |
| Colorado | 1,663 | 1,633 | 1.9 | 1,540 | 1,535 | NM | 98 | -- | -- | -- | -- |
| Idaho | 9,055 | 8,556 | 5.8 | 8,366 | 7,926 | NM | 629 | -- | -- | -- | -- |
| Montana | 8,858 | 8,536 | 3.8 | 5,942 | 5,480 | 2,915 | 3,056 | -- | -- | -- | -- |
| Nevada | 1,647 | 1,979 | -16.8 | 1,647 | 1,979 | -- | -- | -- | -- | -- | -- |
| New Mexico | NM | 250 | -- | NM | 250 | -- | -- | -- | -- | -- | -- |
| Utah | NM | 510 | -- | NM | 504 | NM | 5 | -- | -- | -- | -- |
| Wyoming | NM | 709 | -- | NM | 709 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 133,419 | 129,290 | 3.2 | 132,228 | 128,510 | 1,141 | 724 | 49 | 53 | NM | 2 |
| California | NM | NM | -- | NM | NM | NM | NM | NM | NM | NM | NM |
| Oregon | 30,747 | 30,660 | .3 | 30,535 | 30,460 | NM | 201 | -- | -- | -- | -- |
| Washington | 70,283 | 72,755 | -3.4 | 70,094 | 72,558 | NM | 155 | 41 | 40 | NM | 2 |
| Pacific Noncontiguous | 1,090 | 1,272 | -14.3 | 1,018 | 1,209 | NM | 32 | -- | -- | NM | 30 |
| Alaska | 1,001 | 1,198 | -16.4 | 1,001 | 1,198 | -- | -- | -- | -- | -- | -- |
| Hawaii | NM | 74 | -- | NM | 12 | NM | 32 | -- | -- | NM | 30 |
| U.S. Total | 243,220 | 229,168 | 6.1 | 221,210 | 210,349 | 20,094 | 17,314 | 66 | 70 | 1,850 | 1,436 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.14.A. Net Generation from Other Renewables by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|--------------|----------------|-----------------------|------------|-----------------------------|--------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 679 | 670 | 1.3 | 62 | 59 | 444 | 427 | 11 | 11 | 162 | 173 |
| Connecticut | 66 | 60 | 11.0 | -- | -- | 66 | 60 | -- | -- | -- | -- |
| Maine | 349 | 340 | 2.7 | -- | -- | 178 | 158 | NM | 9 | 162 | 172 |
| Massachusetts | 112 | 113 | -9 | -- | -- | 109 | 110 | NM | 2 | -- | -- |
| New Hampshire | 103 | 100 | 2.8 | 40 | 30 | 63 | 71 | -- | -- | NM | * |
| Rhode Island | 11 | 14 | -16.8 | -- | -- | 11 | 14 | -- | -- | -- | -- |
| Vermont | 38 | 44 | -14.5 | 22 | 29 | NM | 15 | -- | -- | NM | -- |
| Middle Atlantic | 570 | 518 | 10.1 | -- | -- | 486 | 450 | 20 | 23 | 64 | 45 |
| New Jersey | 76 | 66 | 14.1 | -- | -- | 76 | 66 | NM | * | NM | -- |
| New York | 284 | 240 | 18.4 | -- | -- | 252 | 209 | 11 | 13 | 21 | 18 |
| Pennsylvania | 210 | 211 | -6 | -- | -- | 158 | 174 | 10 | 10 | 43 | 27 |
| East North Central | 746 | 515 | 44.8 | 81 | 47 | 510 | 309 | 10 | 14 | 145 | 144 |
| Illinois | 259 | 142 | 82.4 | NM | 2 | 258 | 140 | NM | * | -- | -- |
| Indiana | 60 | 18 | 238.5 | 13 | 15 | 43 | -- | NM | 1 | NM | 2 |
| Michigan | 202 | 200 | .8 | -- | * | 140 | 128 | 7 | 12 | 54 | 60 |
| Ohio | 39 | 32 | 21.4 | NM | 2 | NM | 3 | -- | -- | 33 | 27 |
| Wisconsin | 186 | 123 | 51.2 | 65 | 28 | 64 | 38 | NM | 1 | 56 | 56 |
| West North Central | 1,168 | 912 | 28.0 | 237 | 247 | 890 | 624 | NM | 4 | 37 | 38 |
| Iowa | 362 | 308 | 17.4 | NM | 165 | 206 | 141 | NM | 2 | 1 | -- |
| Kansas | 172 | 103 | 66.4 | 39 | 26 | 133 | 77 | -- | -- | -- | -- |
| Minnesota | 460 | 399 | 15.3 | 20 | 29 | 405 | 333 | NM | 1 | 34 | 36 |
| Missouri | NM | 2 | -- | NM | 2 | 11 | -- | -- | -- | NM | 1 |
| Nebraska | NM | 25 | -- | 23 | 24 | NM | * | NM | 1 | -- | -- |
| North Dakota | NM | 62 | -- | NM | 1 | 124 | 60 | -- | -- | NM | 1 |
| South Dakota | 12 | 13 | -11.9 | NM | 1 | 11 | 13 | -- | -- | -- | -- |
| South Atlantic | 1,243 | 1,238 | .4 | 90 | 82 | 363 | 320 | 27 | 26 | 763 | 809 |
| Delaware | 10 | 4 | 160.1 | -- | -- | 10 | 4 | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 318 | 359 | -11.3 | 9 | 6 | 166 | 188 | NM | 3 | 141 | 162 |
| Georgia | 254 | 279 | -8.8 | -- | -- | NM | 1 | -- | -- | 253 | 278 |
| Maryland | 46 | 44 | 5.2 | -- | -- | 26 | 24 | NM | 2 | 16 | 18 |
| North Carolina | 174 | 141 | 23.3 | -- | -- | 56 | 44 | -- | -- | 118 | 97 |
| South Carolina | 154 | 171 | -9.8 | 38 | 37 | -- | -- | NM | 3 | 113 | 131 |
| Virginia | 219 | 221 | -1.0 | 43 | 40 | 36 | 40 | 17 | 17 | 122 | 124 |
| West Virginia | 67 | 19 | 251.3 | * | -- | 68 | 19 | -- | -- | -- | -- |
| East South Central | 464 | 559 | -17.0 | 7 | 5 | 17 | 25 | -- | -- | 439 | 530 |
| Alabama | 279 | 314 | -11.1 | -- | -- | 11 | 17 | -- | -- | 268 | 297 |
| Kentucky | 27 | 38 | -27.9 | 7 | 5 | -- | -- | -- | -- | 20 | 33 |
| Mississippi | 118 | 119 | -7 | -- | -- | -- | -- | -- | -- | 118 | 119 |
| Tennessee | 39 | 88 | -55.5 | NM | * | NM | 7 | -- | -- | 33 | 81 |
| West South Central | 1,942 | 1,645 | 18.1 | 38 | 31 | 1,464 | 1,123 | NM | 5 | 437 | 486 |
| Arkansas | 133 | 142 | -6.2 | -- | -- | NM | 3 | NM | * | 130 | 139 |
| Louisiana | NM | 249 | -- | -- | -- | 6 | 7 | -- | -- | NM | 241 |
| Oklahoma | NM | 187 | -- | 38 | 31 | 164 | 128 | -- | -- | NM | 28 |
| Texas | NM | 1,067 | -- | NM | * | 1,291 | 985 | NM | 5 | NM | 78 |
| Mountain | 818 | 672 | 21.6 | NM | 27 | 737 | 595 | NM | 3 | 43 | 48 |
| Arizona | 13 | 3 | 323.0 | NM | 3 | 11 | -- | NM | * | -- | -- |
| Colorado | NM | 224 | -- | 7 | 6 | NM | 218 | -- | -- | -- | -- |
| Idaho | 61 | 62 | -1.3 | -- | -- | 24 | 23 | -- | -- | 37 | 39 |
| Montana | 61 | 46 | 32.4 | -- | -- | 55 | 37 | -- | -- | NM | 9 |
| Nevada | 118 | 107 | 10.5 | -- | -- | 118 | 107 | -- | -- | -- | -- |
| New Mexico | NM | 121 | -- | -- | -- | NM | 121 | -- | -- | -- | -- |
| Utah | NM | 19 | -- | 25 | 17 | NM | 1 | NM | 2 | -- | -- |
| Wyoming | 106 | 90 | 17.4 | NM | 2 | 104 | 88 | -- | -- | -- | -- |
| Pacific Contiguous | 2,406 | 2,240 | 7.4 | 292 | 280 | 1,928 | 1,745 | 34 | 38 | 152 | 177 |
| California | 1,896 | 1,744 | 8.7 | 114 | 107 | 1,689 | 1,539 | 34 | 36 | NM | 63 |
| Oregon | 188 | 182 | 3.8 | 34 | 17 | 106 | 102 | -- | 3 | 49 | 59 |
| Washington | 322 | 314 | 2.5 | 144 | 156 | 133 | 104 | -- | -- | 45 | 54 |
| Pacific Noncontiguous .. | 56 | 59 | -5.3 | NM | * | 39 | 40 | 15 | 17 | NM | 2 |
| Alaska | NM | 1 | -- | NM | -- | -- | * | -- | -- | NM | 1 |
| Hawaii | 55 | 58 | -5.4 | * | * | 39 | 40 | 15 | 17 | NM | 1 |
| U.S. Total | 10,092 | 9,029 | 11.8 | 844 | 779 | 6,878 | 5,658 | 127 | 141 | 2,244 | 2,451 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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 Renewables." • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other renewables 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.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.14.B. Net Generation from Other Renewables by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|---------------|----------------|-----------------------|--------------|-----------------------------|---------------|-------------------|--------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | 2008 | 2007 | 2008 | 2007 |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | | | | |
| New England | 7,238 | 7,213 | .4 | 595 | 552 | 4,709 | 4,745 | 136 | 113 | 1,799 | 1,802 |
| Connecticut | 743 | 670 | 10.9 | 1 | -- | 742 | 670 | -- | -- | -- | -- |
| Maine | 3,757 | 3,825 | -1.8 | -- | -- | 1,878 | 1,934 | 95 | 89 | 1,783 | 1,801 |
| Massachusetts | 1,201 | 1,128 | 6.5 | -- | -- | 1,161 | 1,104 | NM | 24 | -- | -- |
| New Hampshire | 1,011 | 1,022 | -1.0 | 351 | 282 | 650 | 740 | -- | -- | NM | * |
| Rhode Island | 129 | 141 | -8.8 | -- | -- | 129 | 141 | -- | -- | -- | -- |
| Vermont | 397 | 427 | -7.0 | 243 | 271 | NM | 156 | -- | -- | NM | -- |
| Middle Atlantic | 6,009 | 5,608 | 7.2 | -- | -- | 5,161 | 4,774 | 226 | 225 | 622 | 608 |
| New Jersey | 863 | 764 | 12.9 | -- | -- | 860 | 764 | NM | * | NM | * |
| New York | 2,863 | 2,531 | 13.1 | -- | -- | 2,521 | 2,207 | 125 | 120 | 217 | 204 |
| Pennsylvania | 2,283 | 2,313 | -1.3 | -- | -- | 1,780 | 1,803 | 101 | 106 | 402 | 404 |
| East North Central | 5,751 | 5,184 | 10.9 | 530 | 462 | 3,551 | 2,992 | 155 | 186 | 1,515 | 1,545 |
| Illinois | 1,555 | 1,130 | 37.6 | NM | 18 | 1,543 | 1,112 | NM | 1 | 1 | -- |
| Indiana | 288 | 215 | 33.8 | 152 | 176 | 80 | -- | NM | 18 | NM | 21 |
| Michigan | 2,201 | 2,221 | -9 | -- | * | 1,474 | 1,445 | 122 | 157 | 605 | 619 |
| Ohio | 368 | 397 | -7.3 | NM | 13 | NM | 39 | -- | -- | 299 | 345 |
| Wisconsin | 1,339 | 1,221 | 9.7 | 349 | 254 | 403 | 397 | NM | 10 | 574 | 560 |
| West North Central | 9,831 | 8,307 | 18.4 | 2,270 | 2,260 | 7,033 | 5,541 | 57 | 46 | 472 | 460 |
| Iowa | 2,735 | 2,700 | 1.3 | NM | 1,438 | 1,292 | 1,236 | NM | 26 | 7 | -- |
| Kansas | 1,519 | 1,062 | 43.0 | 380 | 278 | 1,139 | 784 | -- | -- | -- | -- |
| Minnesota | 4,146 | 3,563 | 16.4 | 236 | 272 | 3,457 | 2,841 | NM | 9 | 443 | 441 |
| Missouri | 145 | 27 | 437.7 | 16 | 20 | 120 | -- | -- | -- | NM | 7 |
| Nebraska | 236 | 254 | -7.3 | 221 | 241 | NM | 3 | NM | 11 | -- | -- |
| North Dakota | 942 | 560 | 68.2 | NM | 7 | 921 | 541 | -- | -- | NM | 12 |
| South Dakota | 109 | 140 | -22.1 | NM | 5 | 101 | 136 | -- | -- | -- | -- |
| South Atlantic | 13,621 | 13,466 | 1.2 | 882 | 892 | 3,754 | 3,671 | 301 | 298 | 8,685 | 8,605 |
| Delaware | 102 | 44 | 133.7 | -- | -- | 102 | 44 | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 3,991 | 3,900 | 2.3 | 81 | 67 | 2,105 | 2,185 | NM | 35 | 1,768 | 1,613 |
| Georgia | 2,880 | 3,109 | -7.4 | -- | -- | NM | 12 | -- | -- | 2,867 | 3,097 |
| Maryland | 550 | 562 | -2.1 | -- | -- | 340 | 359 | NM | 26 | 166 | 177 |
| North Carolina | 1,706 | 1,529 | 11.5 | -- | -- | 482 | 474 | -- | -- | 1,224 | 1,056 |
| South Carolina | 1,670 | 1,839 | -9.2 | NM | 409 | -- | -- | NM | 34 | 1,292 | 1,396 |
| Virginia | 2,404 | 2,338 | 2.8 | 463 | 417 | 391 | 452 | 181 | 203 | 1,368 | 1,267 |
| West Virginia | 319 | 145 | 119.4 | * | -- | 319 | 145 | -- | -- | -- | -- |
| East South Central | 5,557 | 6,161 | -9.8 | 83 | 85 | 224 | 250 | -- | -- | 5,250 | 5,826 |
| Alabama | 3,405 | 3,488 | -2.4 | -- | -- | 160 | 192 | -- | -- | 3,245 | 3,296 |
| Kentucky | 408 | 421 | -3.0 | 80 | 83 | -- | -- | -- | -- | 328 | 337 |
| Mississippi | 1,384 | 1,361 | 1.6 | * | -- | -- | -- | -- | -- | 1,384 | 1,361 |
| Tennessee | 360 | 891 | -59.7 | NM | 2 | NM | 59 | -- | -- | 293 | 831 |
| West South Central | 18,969 | 15,313 | 23.9 | 390 | 336 | 13,408 | 9,735 | NM | 36 | 5,129 | 5,206 |
| Arkansas | 1,488 | 1,487 | .0 | -- | -- | NM | 35 | NM | 2 | 1,441 | 1,450 |
| Louisiana | 2,613 | 2,719 | -3.9 | -- | -- | 72 | 68 | -- | -- | 2,541 | 2,651 |
| Oklahoma | NM | 1,967 | -- | 387 | 335 | 1,598 | 1,378 | -- | -- | NM | 254 |
| Texas | 12,602 | 9,140 | 37.9 | NM | 1 | 11,695 | 8,254 | NM | 34 | 865 | 851 |
| Mountain | 7,736 | 5,527 | 40.0 | NM | 245 | 6,958 | 4,784 | NM | 27 | 417 | 471 |
| Arizona | 48 | 38 | 24.3 | NM | 34 | 11 | -- | NM | 4 | -- | -- |
| Colorado | NM | 1,100 | -- | 63 | 53 | NM | 1,047 | -- | -- | -- | -- |
| Idaho | 601 | 598 | .5 | -- | -- | 250 | 227 | -- | -- | 351 | 371 |
| Montana | 533 | 529 | .8 | -- | -- | 468 | 430 | -- | -- | NM | 100 |
| Nevada | 1,421 | 1,187 | 19.7 | -- | -- | 1,421 | 1,187 | -- | -- | -- | -- |
| New Mexico | NM | 1,247 | -- | -- | -- | NM | 1,247 | -- | -- | -- | -- |
| Utah | 245 | 171 | 42.9 | 229 | 143 | NM | 5 | NM | 23 | -- | -- |
| Wyoming | 724 | 656 | 10.4 | NM | 15 | 703 | 641 | -- | -- | -- | -- |
| Pacific Contiguous | 29,903 | 28,207 | 6.0 | 3,299 | 3,299 | 24,431 | 22,607 | 406 | 395 | 1,766 | 1,905 |
| California | 23,383 | 23,024 | 1.6 | 1,329 | 1,248 | 20,961 | 20,588 | 406 | 384 | NM | 804 |
| Oregon | 2,693 | 1,942 | 38.7 | 453 | 306 | 1,687 | 1,041 | -- | 11 | 553 | 584 |
| Washington | 3,826 | 3,240 | 18.1 | 1,516 | 1,745 | 1,783 | 978 | -- | -- | 527 | 517 |
| Pacific Noncontiguous | 669 | 699 | -4.4 | NM | * | 476 | 531 | 168 | 153 | NM | 15 |
| Alaska | NM | 10 | -- | NM | -- | -- | 1 | -- | * | NM | 9 |
| Hawaii | 654 | 689 | -5.1 | * | * | 476 | 530 | 168 | 153 | NM | 6 |
| U.S. Total | 105,284 | 95,685 | 10.0 | 8,402 | 8,132 | 69,704 | 59,631 | 1,505 | 1,479 | 25,673 | 26,443 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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 Renewables." • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other renewables 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.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|-------------|----------------|-----------------------|-------------|-----------------------------|-------------|-------------------|-----------|-------------------|-----------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | -43 | -51 | 16.2 | -- | -- | -43 | -51 | -- | -- | -- | -- |
| Connecticut | * | * | 107.0 | -- | -- | * | * | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -43 | -51 | 15.6 | -- | -- | -43 | -51 | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | -141 | -147 | 4.0 | -81 | -85 | -60 | -61 | -- | -- | -- | -- |
| New Jersey | -20 | -20 | .0 | -20 | -20 | -- | -- | -- | -- | -- | -- |
| New York | -61 | -65 | 6.4 | -61 | -65 | -- | -- | -- | -- | -- | -- |
| Pennsylvania | -60 | -61 | 2.8 | -- | -- | -60 | -61 | -- | -- | -- | -- |
| East North Central | -60 | -91 | 33.6 | -60 | -91 | -- | -- | -- | -- | -- | -- |
| Illinois | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | -60 | -91 | 33.6 | -60 | -91 | -- | -- | -- | -- | -- | -- |
| Ohio | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central | 13 | 6 | 112.9 | 13 | 6 | -- | -- | -- | -- | -- | -- |
| Iowa | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri | 13 | 6 | 112.9 | 13 | 6 | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | -135 | -237 | 43.2 | -135 | -237 | -- | -- | -- | -- | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Georgia | 9 | -35 | 125.8 | 9 | -35 | -- | -- | -- | -- | -- | -- |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -11 | -- | -- | -11 | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -61 | -97 | 37.3 | -61 | -97 | -- | -- | -- | -- | -- | -- |
| Virginia | -72 | -105 | 31.4 | -72 | -105 | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | -62 | -51 | -21.0 | -62 | -51 | -- | -- | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -62 | -51 | -21.0 | -62 | -51 | -- | -- | -- | -- | -- | -- |
| West South Central | -5 | -13 | 61.2 | -5 | -13 | -- | -- | -- | -- | -- | -- |
| Arkansas | 1 | 1 | 62.4 | 1 | 1 | -- | -- | -- | -- | -- | -- |
| Louisiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oklahoma | -6 | -14 | 54.5 | -6 | -14 | -- | -- | -- | -- | -- | -- |
| Texas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mountain | -21 | -2 | -969.0 | -21 | -2 | -- | -- | -- | -- | -- | -- |
| Arizona | -1 | * | NM | -1 | * | -- | -- | -- | -- | -- | -- |
| Colorado | -20 | -2 | -939.6 | -20 | -2 | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | -38 | -75 | 50.1 | -38 | -75 | -- | -- | -- | -- | -- | -- |
| California | -47 | -85 | 44.1 | -47 | -85 | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | 10 | 10 | 2.2 | 10 | 10 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | -492 | -662 | 25.6 | -390 | -549 | -103 | -113 | -- | -- | -- | -- |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

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Table 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|-----------|-------------------|-----------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | -751 | -784 | 4.2 | -- | -- | -751 | -784 | -- | -- | -- | -- |
| Connecticut | 1 | -14 | 106.4 | -- | -- | 1 | -14 | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -752 | -770 | 2.3 | -- | -- | -752 | -770 | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | -1,174 | -1,602 | 26.7 | -878 | -951 | -297 | -651 | -- | -- | -- | -- |
| New Jersey | -256 | -248 | -3.2 | -256 | -248 | -- | -- | -- | -- | -- | -- |
| New York | -622 | -703 | 11.6 | -622 | -703 | -- | -- | -- | -- | -- | -- |
| Pennsylvania | -297 | -651 | 54.4 | -- | -- | -297 | -651 | -- | -- | -- | -- |
| East North Central | -855 | -1,036 | 17.5 | -855 | -1,036 | -- | -- | -- | -- | -- | -- |
| Illinois | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | -855 | -1,036 | 17.5 | -855 | -1,036 | -- | -- | -- | -- | -- | -- |
| Ohio | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central | 533 | 382 | 39.5 | 533 | 382 | -- | -- | -- | -- | -- | -- |
| Iowa | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri | 533 | 382 | 39.5 | 533 | 382 | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | -2,465 | -2,883 | 14.5 | -2,465 | -2,883 | -- | -- | -- | -- | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Georgia | 346 | -417 | 182.8 | 346 | -417 | -- | -- | -- | -- | -- | -- |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -113 | 137 | -182.5 | -113 | 137 | -- | -- | -- | -- | -- | -- |
| South Carolina | -1,181 | -1,095 | -7.9 | -1,181 | -1,095 | -- | -- | -- | -- | -- | -- |
| Virginia | -1,516 | -1,508 | -5 | -1,516 | -1,508 | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | -1,206 | -667 | -81.0 | -1,206 | -667 | -- | -- | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -1,206 | -667 | -81.0 | -1,206 | -667 | -- | -- | -- | -- | -- | -- |
| West South Central | 13 | -128 | 110.0 | 13 | -128 | -- | -- | -- | -- | -- | -- |
| Arkansas | 45 | 29 | 52.6 | 45 | 29 | -- | -- | -- | -- | -- | -- |
| Louisiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oklahoma | -32 | -157 | 79.8 | -32 | -157 | -- | -- | -- | -- | -- | -- |
| Texas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mountain | -133 | -35 | -276.9 | -133 | -35 | -- | -- | -- | -- | -- | -- |
| Arizona | 99 | 125 | -21.2 | 99 | 125 | -- | -- | -- | -- | -- | -- |
| Colorado | -231 | -161 | -44.1 | -231 | -161 | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 380 | 422 | -9.8 | 380 | 422 | -- | -- | -- | -- | -- | -- |
| California | 343 | 401 | -14.4 | 343 | 401 | -- | -- | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | 37 | 20 | 82.8 | 37 | 20 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | -5,657 | -6,331 | 10.6 | -4,609 | -4,897 | -1,047 | -1,434 | -- | -- | -- | -- |

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for and 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

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Table 1.16.A. Net Generation from Other Energy Sources by State by Sector, November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|------------|----------------|-----------------------|-----------|-----------------------------|------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 162 | 154 | 5.1 | -- | -- | 150 | 140 | 7 | 6 | 6 | 7 |
| Connecticut | 61 | 56 | 8.6 | -- | -- | 60 | 55 | -- | -- | NM | 1 |
| Maine | 29 | 26 | 11.3 | -- | -- | 17 | 13 | 7 | 6 | 5 | 6 |
| Massachusetts | 67 | 67 | -1 | -- | -- | 67 | 67 | -- | -- | -- | -- |
| New Hampshire | 5 | 5 | 4.1 | -- | -- | 5 | 5 | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 178 | 184 | -3.1 | -- | -- | 163 | 166 | 15 | 18 | NM | -- |
| New Jersey | 41 | 38 | 5.6 | -- | -- | 41 | 38 | -- | -- | NM | -- |
| New York | 85 | 76 | 11.4 | -- | -- | 77 | 66 | 8 | 10 | -- | -- |
| Pennsylvania | 53 | 69 | -23.9 | -- | -- | 45 | 61 | 8 | 8 | -- | -- |
| East North Central | 51 | 65 | -21.3 | 5 | 9 | 12 | 11 | 7 | 11 | 28 | 34 |
| Illinois | NM | 2 | -- | -- | -- | NM | -- | -- | -- | * | 2 |
| Indiana | 28 | 31 | -12.1 | -- | -- | -- | -- | NM | 1 | 26 | 30 |
| Michigan | 18 | 24 | -25.5 | 1 | 4 | 12 | 11 | 5 | 9 | -- | -- |
| Ohio | 1 | * | 92.2 | -- | -- | -- | -- | -- | -- | 1 | * |
| Wisconsin | 4 | 7 | -42.8 | 4 | 5 | -- | -- | NM | -- | * | 2 |
| West North Central | 26 | 33 | -22.4 | 15 | 18 | 8 | 9 | NM | 1 | NM | 5 |
| Iowa | NM | 1 | -- | NM | 1 | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | 22 | 31 | -27.7 | 12 | 16 | 8 | 9 | NM | 1 | NM | 5 |
| Missouri | 1 | 1 | -13.2 | 1 | 1 | -- | -- | * | * | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | * | -- | -- | * | -- | -- | -- | -- | -- | -- |
| South Dakota | 2 | -- | -- | 2 | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 188 | 360 | -47.9 | -- | -- | 142 | 146 | 16 | 16 | 30 | 198 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 116 | 260 | -55.6 | -- | -- | 97 | 102 | -- | -- | 19 | 159 |
| Georgia | 7 | 8 | -11.8 | -- | -- | -- | -- | -- | -- | 7 | 8 |
| Maryland | 20 | 18 | 13.7 | -- | -- | 20 | 18 | NM | -- | -- | -- |
| North Carolina | 1 | 27 | -95.0 | -- | -- | NM | 5 | -- | -- | -- | 22 |
| South Carolina | 7 | 8 | -21.6 | -- | -- | -- | -- | NM | 2 | 4 | 6 |
| Virginia | 37 | 38 | -3.6 | -- | -- | 23 | 22 | 13 | 14 | -- | 2 |
| West Virginia | -- | * | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | NM | 2 | -- | -- | 1 | NM | -- | -- | -- | NM | 1 |
| Alabama | NM | * | -- | -- | -- | NM | -- | -- | -- | NM | * |
| Kentucky | -- | 1 | -- | -- | 1 | -- | -- | -- | -- | -- | -- |
| Mississippi | NM | 1 | -- | -- | -- | NM | -- | -- | -- | NM | 1 |
| Tennessee | * | * | -38.6 | -- | -- | -- | -- | -- | -- | * | * |
| West South Central | 60 | 99 | -40.1 | 18 | 15 | -- | 1 | -- | -- | 42 | 84 |
| Arkansas | NM | * | -- | -- | -- | -- | -- | -- | -- | NM | * |
| Louisiana | 24 | 46 | -47.0 | -- | -- | -- | -- | -- | -- | 24 | 46 |
| Oklahoma | -- | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Texas | 33 | 52 | -37.3 | 18 | 15 | -- | 1 | -- | -- | 15 | 36 |
| Mountain | NM | 18 | -- | -- | -- | NM | * | -- | -- | 14 | 17 |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | NM | 3 | -- | -- | -- | -- | -- | -- | -- | NM | 3 |
| Idaho | NM | 7 | -- | -- | -- | -- | -- | -- | -- | NM | 7 |
| Montana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | NM | * | -- | -- | -- | NM | * | -- | -- | 14 | -- |
| Wyoming | NM | 7 | -- | -- | -- | -- | -- | -- | -- | NM | 7 |
| Pacific Contiguous | 44 | 37 | 17.6 | -- | -- | 24 | 26 | -- | * | 20 | 11 |
| California | 36 | 28 | 25.5 | -- | -- | 15 | 17 | -- | * | 20 | 11 |
| Oregon | NM | 3 | -- | -- | -- | NM | 3 | -- | -- | -- | -- |
| Washington | 5 | 6 | -6.9 | -- | -- | 5 | 6 | -- | -- | -- | -- |
| Pacific Noncontiguous .. | 13 | 15 | -12.6 | -- | -- | 1 | 1 | 12 | 14 | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | 13 | 15 | -12.6 | -- | -- | 1 | 1 | 12 | 14 | -- | -- |
| U.S. Total | 736 | 967 | -23.9 | 37 | 42 | 499 | 503 | 58 | 65 | 142 | 357 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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 Renewables." • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other energy sources include non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 1.16.B. Net Generation from Other Energy Sources by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|---------------------------------|---------------------|---------------|----------------|-----------------------|------------|-----------------------------|--------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | 2008 | 2007 | 2008 | 2007 |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | | | | |
| New England | 1,757 | 1,689 | 4.0 | -- | -- | 1,637 | 1,558 | NM | 70 | NM | 61 |
| Connecticut | 666 | 663 | .4 | -- | -- | 655 | 651 | -- | -- | NM | 12 |
| Maine | 321 | 292 | 10.1 | -- | -- | 211 | 173 | NM | 70 | 38 | 49 |
| Massachusetts | 713 | 681 | 4.7 | -- | -- | 713 | 681 | -- | -- | -- | -- |
| New Hampshire | 58 | 54 | 6.9 | -- | -- | 58 | 54 | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 2,064 | 1,974 | 4.5 | -- | -- | 1,893 | 1,797 | 171 | 177 | NM | -- |
| New Jersey | 459 | 443 | 3.6 | -- | -- | 459 | 443 | -- | -- | NM | -- |
| New York | 895 | 859 | 4.3 | -- | -- | 804 | 765 | NM | 94 | -- | -- |
| Pennsylvania | 709 | 672 | 5.5 | -- | -- | 630 | 589 | 79 | 83 | -- | -- |
| East North Central | 685 | 753 | -9.0 | 69 | 103 | 132 | 123 | 109 | 139 | 375 | 388 |
| Illinois | 16 | 20 | -16.9 | -- | -- | 6 | 1 | -- | -- | 10 | 18 |
| Indiana | 334 | 357 | -6.4 | -- | -- | -- | -- | NM | 14 | 320 | 343 |
| Michigan | 249 | 281 | -11.5 | 31 | 37 | 125 | 122 | 93 | 122 | -- | -- |
| Ohio | 12 | 3 | 350.3 | -- | -- | -- | -- | -- | -- | 12 | 3 |
| Wisconsin | 74 | 93 | -20.4 | 38 | 65 | -- | -- | NM | 2 | 33 | 25 |
| West North Central | 343 | 343 | .2 | 187 | 192 | 93 | 90 | NM | 11 | NM | 50 |
| Iowa | NM | 11 | -- | NM | 11 | -- | -- | -- | -- | -- | -- |
| Kansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | 289 | 297 | -2.7 | 136 | 150 | 93 | 90 | NM | 7 | NM | 50 |
| Missouri | 17 | 34 | -51.4 | 13 | 31 | -- | -- | 3 | 4 | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | 1 | -- | -- | 1 | -- | -- | -- | -- | -- | -- |
| South Dakota | 30 | * | NM | 30 | * | -- | -- | -- | -- | -- | -- |
| South Atlantic | 2,716 | 4,144 | -34.5 | 2 | * | 1,727 | 1,765 | 167 | 186 | 821 | 2,193 |
| Delaware | 11 | -- | -- | -- | -- | -- | -- | -- | -- | 11 | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1,760 | 2,935 | -40.0 | -- | -- | 1,123 | 1,156 | -- | -- | 637 | 1,778 |
| Georgia | 114 | 107 | 7.0 | -- | -- | 22 | -- | -- | -- | 92 | 107 |
| Maryland | 264 | 268 | -1.4 | -- | -- | 263 | 268 | NM | -- | -- | -- |
| North Carolina | NM | 312 | -- | -- | -- | NM | 90 | -- | -- | 19 | 222 |
| South Carolina | 91 | 88 | 2.8 | -- | -- | -- | -- | NM | 26 | 62 | 62 |
| Virginia | 387 | 434 | -10.9 | -- | -- | 249 | 251 | 138 | 159 | -- | 24 |
| West Virginia | 2 | * | 343.8 | 2 | * | -- | -- | -- | -- | -- | * |
| East South Central | NM | 27 | -- | 8 | 15 | NM | -- | -- | -- | NM | 12 |
| Alabama | NM | 3 | -- | -- | -- | NM | -- | -- | -- | NM | 3 |
| Kentucky | 8 | 15 | -48.6 | 8 | 15 | -- | -- | -- | -- | -- | -- |
| Mississippi | NM | 6 | -- | -- | -- | NM | -- | -- | -- | NM | 6 |
| Tennessee | 8 | 2 | 239.7 | -- | -- | -- | -- | -- | -- | 8 | 2 |
| West South Central | 1,314 | 1,417 | -7.3 | 220 | 207 | 152 | 12 | -- | -- | 941 | 1,199 |
| Arkansas | NM | 16 | -- | -- | -- | -- | -- | -- | -- | NM | 16 |
| Louisiana | 465 | 636 | -27.0 | -- | -- | -- | -- | -- | -- | 465 | 636 |
| Oklahoma | -- | 24 | -- | -- | -- | -- | -- | -- | -- | -- | 24 |
| Texas | 813 | 742 | 9.6 | 220 | 207 | 152 | 12 | -- | -- | 440 | 523 |
| Mountain | NM | 168 | -- | -- | -- | NM | 4 | -- | -- | 135 | 163 |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | NM | 38 | -- | -- | -- | -- | -- | -- | -- | NM | 38 |
| Idaho | NM | 63 | -- | -- | -- | -- | -- | -- | -- | NM | 63 |
| Montana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | NM | 4 | -- | -- | -- | NM | 4 | -- | -- | 125 | -- |
| Wyoming | NM | 63 | -- | -- | -- | -- | -- | -- | -- | NM | 63 |
| Pacific Contiguous | 474 | 477 | -.5 | -- | -- | 284 | 281 | -- | 1 | 191 | 195 |
| California | 379 | 385 | -1.5 | -- | -- | 189 | 189 | -- | 1 | 191 | 195 |
| Oregon | NM | 35 | -- | -- | -- | NM | 35 | -- | -- | -- | -- |
| Washington | 62 | 57 | 8.5 | -- | -- | 62 | 57 | -- | -- | -- | -- |
| Pacific Noncontiguous .. | 190 | 135 | 41.0 | 41 | -- | NM | 15 | 132 | 120 | -- | -- |
| Alaska | 41 | -- | -- | 41 | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | 149 | 135 | 10.6 | -- | -- | NM | 15 | 132 | 120 | -- | -- |
| U.S. Total | 9,763 | 11,128 | -12.3 | 527 | 517 | 5,993 | 5,646 | 683 | 703 | 2,560 | 4,262 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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 Renewables." • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Other energy sources include non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2. Consumption of Fossil Fuels

Table 2.1.A. Coal: Consumption for Electricity Generation by Sector, 1994 through November 2008
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994 | 848,796 | 817,270 | 18,844 | 404 | 12,279 |
| 1995 | 860,594 | 829,007 | 18,847 | 569 | 12,171 |
| 1996 | 907,209 | 874,681 | 19,719 | 656 | 12,153 |
| 1997 | 931,949 | 900,361 | 18,648 | 630 | 12,311 |
| 1998 | 946,295 | 910,867 | 23,259 | 440 | 11,728 |
| 1999 | 949,802 | 894,120 | 43,768 | 481 | 11,432 |
| 2000 | 994,933 | 859,335 | 123,378 | 514 | 11,706 |
| 2001 | 972,691 | 806,269 | 155,254 | 532 | 10,636 |
| 2002 | 987,583 | 767,803 | 207,448 | 477 | 11,855 |
| 2003 | 1,014,058 | 757,384 | 245,652 | 582 | 10,440 |
| 2004 | 1,020,523 | 772,224 | 240,235 | 377 | 7,687 |
| 2005 | 1,041,448 | 761,349 | 272,218 | 377 | 7,504 |
| 2006 | | | | | |
| January | 87,623 | 63,248 | 23,727 | 32 | 616 |
| February | 81,312 | 59,205 | 21,525 | 30 | 552 |
| March | 82,816 | 59,892 | 22,283 | 27 | 614 |
| April | 72,931 | 53,692 | 18,594 | 24 | 620 |
| May | 80,865 | 60,269 | 19,943 | 26 | 626 |
| June | 87,668 | 64,900 | 22,097 | 30 | 642 |
| July | 97,472 | 71,401 | 25,366 | 33 | 672 |
| August | 98,555 | 72,173 | 25,670 | 33 | 680 |
| September | 84,668 | 62,105 | 21,923 | 27 | 613 |
| October | 84,086 | 60,911 | 22,515 | 26 | 634 |
| November | 82,548 | 59,841 | 22,110 | 29 | 568 |
| December | 90,011 | 65,753 | 23,657 | 31 | 571 |
| Total | 1,030,556 | 753,390 | 269,412 | 347 | 7,408 |
| 2007 | | | | | |
| January | 91,776 | 67,154 | 24,190 | 32 | 400 |
| February | 84,100 | 61,339 | 22,358 | 32 | 371 |
| March | 81,932 | 59,368 | 22,091 | 31 | 442 |
| April | 75,918 | 54,851 | 20,620 | 27 | 420 |
| May | 81,309 | 60,332 | 20,509 | 28 | 441 |
| June | 89,846 | 65,749 | 23,632 | 29 | 436 |
| July | 96,727 | 70,772 | 25,471 | 30 | 454 |
| August | 99,245 | 72,670 | 26,081 | 33 | 462 |
| September | 88,089 | 64,492 | 23,133 | 30 | 433 |
| October | 83,995 | 61,024 | 22,491 | 28 | 452 |
| November | 82,495 | 60,509 | 21,573 | 30 | 383 |
| December | 91,363 | 66,504 | 24,433 | 31 | 395 |
| Total | 1,046,795 | 764,765 | 276,581 | 361 | 5,089 |
| 2008 | | | | | |
| January | 94,185 | 68,575 | 24,945 | 53 | 612 |
| February | 86,377 | 62,634 | 23,212 | 50 | 480 |
| March | 83,143 | 59,576 | 22,862 | 41 | 664 |
| April | 77,293 | 56,674 | 19,906 | 44 | 669 |
| May | 82,141 | 61,413 | 19,952 | 46 | 730 |
| June | 89,895 | 65,635 | 23,538 | 33 | 689 |
| July | 98,434 | 71,929 | 25,734 | 37 | 734 |
| August | 95,936 | 70,194 | 25,024 | 35 | 683 |
| September | 86,173 | 62,579 | 22,892 | 33 | 669 |
| October | 80,843 | 57,572 | 22,520 | 29 | 721 |
| November | 81,383 | 58,641 | 22,148 | 30 | 564 |
| Total | 955,801 | 695,421 | 252,735 | 430 | 7,215 |
| Year-to-Date | | | | | |
| 2006 | 940,545 | 687,638 | 245,754 | 316 | 6,837 |
| 2007 | 955,432 | 698,261 | 252,148 | 330 | 4,693 |
| 2008 | 955,801 | 695,421 | 252,735 | 430 | 7,215 |
| Rolling 12 Months Ending in November | | | | | |
| 2007 | 1,045,443 | 764,013 | 275,806 | 360 | 5,264 |
| 2008 | 1,047,165 | 761,925 | 277,168 | 461 | 7,610 |

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 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 2.1.B. Coal: Consumption for Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994 | 20,609 | -- | 2,241 | 940 | 17,428 |
| 1995 | 20,418 | -- | 2,376 | 850 | 17,192 |
| 1996 | 20,806 | -- | 2,520 | 1,005 | 17,281 |
| 1997 | 21,005 | -- | 2,355 | 1,108 | 17,542 |
| 1998 | 20,320 | -- | 2,493 | 1,002 | 16,824 |
| 1999 | 20,373 | -- | 3,033 | 1,009 | 16,330 |
| 2000 | 20,466 | -- | 3,107 | 1,034 | 16,325 |
| 2001 | 18,944 | -- | 2,910 | 916 | 15,119 |
| 2002 | 17,676 | -- | 2,255 | 971 | 14,450 |
| 2003 | 17,720 | -- | 2,080 | 1,234 | 14,406 |
| 2004 | 24,275 | -- | 3,809 | 1,540 | 18,926 |
| 2005 | 23,833 | -- | 3,918 | 1,544 | 18,371 |
| 2006 | | | | | |
| January | 2,097 | -- | 342 | 154 | 1,603 |
| February | 1,924 | -- | 313 | 139 | 1,471 |
| March | 1,968 | -- | 324 | 143 | 1,501 |
| April | 1,812 | -- | 273 | 110 | 1,430 |
| May | 1,848 | -- | 302 | 113 | 1,433 |
| June | 1,902 | -- | 322 | 117 | 1,462 |
| July | 2,006 | -- | 346 | 130 | 1,530 |
| August | 1,993 | -- | 341 | 129 | 1,523 |
| September | 1,857 | -- | 299 | 111 | 1,448 |
| October | 1,848 | -- | 298 | 111 | 1,439 |
| November | 1,923 | -- | 342 | 130 | 1,452 |
| December | 2,049 | -- | 332 | 152 | 1,565 |
| Total | 23,227 | -- | 3,834 | 1,539 | 17,854 |
| 2007 | | | | | |
| January | 2,104 | -- | 342 | 159 | 1,603 |
| February | 1,988 | -- | 329 | 154 | 1,506 |
| March | 1,998 | -- | 344 | 140 | 1,513 |
| April | 1,829 | -- | 280 | 119 | 1,430 |
| May | 1,831 | -- | 300 | 115 | 1,416 |
| June | 1,836 | -- | 318 | 108 | 1,409 |
| July | 1,841 | -- | 306 | 121 | 1,414 |
| August | 1,915 | -- | 335 | 129 | 1,451 |
| September | 1,744 | -- | 297 | 115 | 1,332 |
| October | 1,787 | -- | 295 | 114 | 1,378 |
| November | 1,898 | -- | 311 | 139 | 1,447 |
| December | 2,041 | -- | 339 | 152 | 1,550 |
| Total | 22,810 | -- | 3,795 | 1,566 | 17,449 |
| 2008 | | | | | |
| January | 1,809 | -- | 337 | 144 | 1,328 |
| February | 1,923 | -- | 330 | 135 | 1,458 |
| March | 1,793 | -- | 390 | 142 | 1,261 |
| April | 1,722 | -- | 365 | 116 | 1,241 |
| May | 1,782 | -- | 374 | 118 | 1,290 |
| June | 1,789 | -- | 373 | 155 | 1,262 |
| July | 1,824 | -- | 371 | 146 | 1,307 |
| August | 1,763 | -- | 325 | 153 | 1,285 |
| September | 1,831 | -- | 371 | 141 | 1,319 |
| October | 1,796 | -- | 382 | 135 | 1,280 |
| November | 1,839 | -- | 345 | 149 | 1,344 |
| Total | 19,872 | -- | 3,963 | 1,535 | 14,375 |
| Year-to-Date | | | | | |
| 2006 | 21,178 | -- | 3,502 | 1,387 | 16,289 |
| 2007 | 20,769 | -- | 3,457 | 1,414 | 15,899 |
| 2008 | 19,872 | -- | 3,963 | 1,535 | 14,375 |
| Rolling 12 Months Ending in November | | | | | |
| 2007 | 22,819 | -- | 3,788 | 1,566 | 17,464 |
| 2008 | 21,912 | -- | 4,301 | 1,687 | 15,924 |

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 2007 and prior years are final. Values for 2008 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. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 869,405 | 817,270 | 21,085 | 1,344 | 29,707 |
| 1995..... | 881,012 | 829,007 | 21,224 | 1,419 | 29,363 |
| 1996..... | 928,015 | 874,681 | 22,239 | 1,660 | 29,434 |
| 1997..... | 952,955 | 900,361 | 21,003 | 1,738 | 29,853 |
| 1998..... | 966,615 | 910,867 | 25,752 | 1,443 | 28,553 |
| 1999..... | 970,175 | 894,120 | 46,801 | 1,490 | 27,763 |
| 2000..... | 1,015,398 | 859,335 | 126,486 | 1,547 | 28,031 |
| 2001..... | 991,635 | 806,269 | 158,163 | 1,448 | 25,755 |
| 2002..... | 1,005,144 | 767,803 | 209,703 | 1,405 | 26,232 |
| 2003..... | 1,031,778 | 757,384 | 247,732 | 1,816 | 24,846 |
| 2004..... | 1,044,798 | 772,224 | 244,044 | 1,917 | 26,613 |
| 2005..... | 1,065,281 | 761,349 | 276,135 | 1,922 | 25,875 |
| 2006 | | | | | |
| January..... | 89,720 | 63,248 | 24,069 | 186 | 2,217 |
| February..... | 83,236 | 59,205 | 21,838 | 169 | 2,024 |
| March..... | 84,783 | 59,892 | 22,607 | 170 | 2,115 |
| April..... | 74,743 | 53,692 | 18,868 | 134 | 2,050 |
| May..... | 82,713 | 60,269 | 20,245 | 139 | 2,059 |
| June..... | 89,570 | 64,900 | 22,419 | 147 | 2,104 |
| July..... | 99,478 | 71,401 | 25,712 | 163 | 2,202 |
| August..... | 100,548 | 72,173 | 26,011 | 163 | 2,202 |
| September..... | 86,525 | 62,105 | 22,222 | 138 | 2,061 |
| October..... | 85,934 | 60,911 | 22,813 | 136 | 2,074 |
| November..... | 84,472 | 59,841 | 22,452 | 159 | 2,020 |
| December..... | 92,060 | 65,753 | 23,989 | 183 | 2,136 |
| Total..... | 1,053,783 | 753,390 | 273,246 | 1,886 | 25,262 |
| 2007 | | | | | |
| January..... | 93,880 | 67,154 | 24,532 | 191 | 2,003 |
| February..... | 86,088 | 61,339 | 22,687 | 186 | 1,876 |
| March..... | 83,929 | 59,368 | 22,435 | 171 | 1,956 |
| April..... | 77,747 | 54,851 | 20,900 | 146 | 1,850 |
| May..... | 83,140 | 60,332 | 20,808 | 143 | 1,857 |
| June..... | 91,682 | 65,749 | 23,950 | 137 | 1,845 |
| July..... | 98,568 | 70,772 | 25,776 | 151 | 1,868 |
| August..... | 101,160 | 72,670 | 26,416 | 162 | 1,912 |
| September..... | 89,833 | 64,492 | 23,430 | 145 | 1,765 |
| October..... | 85,782 | 61,024 | 22,785 | 142 | 1,830 |
| November..... | 84,392 | 60,509 | 21,884 | 169 | 1,830 |
| December..... | 93,404 | 66,504 | 24,772 | 183 | 1,945 |
| Total..... | 1,069,606 | 764,765 | 280,377 | 1,927 | 22,537 |
| 2008 | | | | | |
| January..... | 95,994 | 68,575 | 25,281 | 198 | 1,940 |
| February..... | 88,299 | 62,634 | 23,542 | 185 | 1,938 |
| March..... | 84,936 | 59,576 | 23,252 | 183 | 1,925 |
| April..... | 79,014 | 56,674 | 20,271 | 160 | 1,910 |
| May..... | 83,923 | 61,413 | 20,327 | 163 | 2,020 |
| June..... | 91,684 | 65,635 | 23,911 | 187 | 1,951 |
| July..... | 100,259 | 71,929 | 26,106 | 182 | 2,041 |
| August..... | 97,698 | 70,194 | 25,349 | 188 | 1,967 |
| September..... | 88,004 | 62,579 | 23,263 | 175 | 1,987 |
| October..... | 82,639 | 57,572 | 22,902 | 164 | 2,000 |
| November..... | 83,221 | 58,641 | 22,494 | 179 | 1,908 |
| Total..... | 975,673 | 695,421 | 256,698 | 1,965 | 21,589 |
| Year-to-Date | | | | | |
| 2006..... | 961,723 | 687,638 | 249,257 | 1,703 | 23,126 |
| 2007..... | 976,201 | 698,261 | 255,605 | 1,743 | 20,592 |
| 2008..... | 975,673 | 695,421 | 256,698 | 1,965 | 21,589 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 1,068,262 | 764,013 | 279,594 | 1,927 | 22,728 |
| 2008..... | 1,069,077 | 761,925 | 281,469 | 2,148 | 23,534 |

Notes: • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 2.2.A. Petroleum Liquids: Consumption for Electricity Generation by Sector, 1994 through November 2008
(Thousand Barrels)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 168,520 | 151,004 | 7,101 | 690 | 9,725 |
| 1995..... | 115,802 | 102,150 | 5,253 | 645 | 7,755 |
| 1996..... | 128,019 | 113,274 | 4,560 | 639 | 9,546 |
| 1997..... | 139,286 | 125,146 | 6,053 | 784 | 7,304 |
| 1998..... | 198,339 | 178,614 | 10,838 | 795 | 8,092 |
| 1999..... | 185,111 | 143,830 | 32,479 | 927 | 7,875 |
| 2000..... | 176,506 | 120,129 | 48,043 | 816 | 7,518 |
| 2001..... | 197,316 | 126,367 | 62,211 | 991 | 7,746 |
| 2002..... | 134,415 | 88,595 | 39,035 | 826 | 5,959 |
| 2003..... | 175,136 | 105,319 | 61,420 | 882 | 7,514 |
| 2004..... | 165,107 | 103,793 | 56,342 | 760 | 4,212 |
| 2005..... | 165,137 | 98,223 | 62,154 | 580 | 4,180 |
| 2006 | | | | | |
| January..... | 6,875 | 4,753 | 1,797 | 36 | 290 |
| February..... | 5,447 | 3,642 | 1,506 | 38 | 260 |
| March..... | 3,923 | 2,791 | 838 | 40 | 254 |
| April..... | 4,823 | 3,864 | 726 | 29 | 204 |
| May..... | 4,732 | 3,622 | 867 | 24 | 219 |
| June..... | 6,770 | 5,149 | 1,393 | 23 | 205 |
| July..... | 8,712 | 5,736 | 2,734 | 27 | 216 |
| August..... | 11,173 | 8,003 | 2,897 | 25 | 247 |
| September..... | 5,080 | 3,912 | 930 | 18 | 219 |
| October..... | 5,640 | 4,257 | 1,190 | 16 | 177 |
| November..... | 5,502 | 4,143 | 1,115 | 21 | 223 |
| December..... | 5,145 | 3,658 | 1,185 | 30 | 271 |
| Total..... | 73,821 | 53,529 | 17,179 | 327 | 2,786 |
| 2007 | | | | | |
| January..... | 7,422 | 4,327 | 2,799 | 37 | 260 |
| February..... | 12,586 | 6,561 | 5,689 | 50 | 285 |
| March..... | 6,894 | 4,187 | 2,406 | 33 | 267 |
| April..... | 6,256 | 4,682 | 1,284 | 22 | 268 |
| May..... | 5,759 | 4,530 | 970 | 15 | 243 |
| June..... | 7,023 | 5,166 | 1,651 | 16 | 190 |
| July..... | 6,962 | 5,337 | 1,442 | 12 | 171 |
| August..... | 9,572 | 7,312 | 2,059 | 19 | 182 |
| September..... | 6,021 | 4,723 | 1,153 | 10 | 135 |
| October..... | 5,913 | 4,739 | 1,010 | 9 | 155 |
| November..... | 3,302 | 2,501 | 657 | 8 | 137 |
| December..... | 4,724 | 2,845 | 1,674 | 19 | 186 |
| Total..... | 82,433 | 56,910 | 22,793 | 250 | 2,480 |
| 2008 | | | | | |
| January..... | 5,370 | 3,249 | 1,851 | 21 | 250 |
| February..... | 4,176 | 2,626 | 1,269 | 16 | 266 |
| March..... | 3,533 | 2,406 | 923 | 11 | 193 |
| April..... | 3,700 | 2,835 | 734 | 8 | 123 |
| May..... | 3,910 | 3,043 | 741 | 9 | 116 |
| June..... | 6,600 | 4,629 | 1,792 | 20 | 159 |
| July..... | 5,230 | 3,652 | 1,396 | 18 | 164 |
| August..... | 4,374 | 3,383 | 843 | 12 | 137 |
| September..... | 5,052 | 3,980 | 851 | 12 | 209 |
| October..... | 3,231 | 2,509 | 602 | 9 | 112 |
| November..... | 3,625 | 2,685 | 792 | 12 | 135 |
| Total..... | 48,802 | 34,997 | 11,794 | 148 | 1,863 |
| Year-to-Date | | | | | |
| 2006..... | 68,676 | 49,871 | 15,993 | 297 | 2,514 |
| 2007..... | 77,709 | 54,065 | 21,120 | 231 | 2,294 |
| 2008..... | 48,802 | 34,997 | 11,794 | 148 | 1,863 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 82,854 | 57,723 | 22,305 | 261 | 2,565 |
| 2008..... | 53,526 | 37,842 | 13,467 | 167 | 2,049 |

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 2007 and prior years are final. Values for 2008 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. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and 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 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Barrels)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 22,243 | -- | 1,500 | 913 | 19,831 |
| 1995..... | 19,386 | -- | 1,672 | 580 | 17,134 |
| 1996..... | 21,500 | -- | 1,550 | 588 | 19,363 |
| 1997..... | 18,756 | -- | 1,611 | 779 | 16,366 |
| 1998..... | 22,164 | -- | 806 | 992 | 20,366 |
| 1999..... | 19,636 | -- | 785 | 666 | 18,184 |
| 2000..... | 17,644 | -- | 812 | 771 | 16,061 |
| 2001..... | 14,963 | -- | 576 | 809 | 13,577 |
| 2002..... | 12,452 | -- | 286 | 555 | 11,612 |
| 2003..... | 14,124 | -- | 1,197 | 512 | 12,414 |
| 2004..... | 20,654 | -- | 1,501 | 1,203 | 17,951 |
| 2005..... | 20,494 | -- | 1,392 | 1,004 | 18,097 |
| 2006 | | | | | |
| January..... | 1,625 | -- | 91 | 85 | 1,449 |
| February..... | 1,412 | -- | 97 | 93 | 1,223 |
| March..... | 1,397 | -- | 132 | 79 | 1,185 |
| April..... | 1,082 | -- | 49 | 48 | 985 |
| May..... | 1,049 | -- | 96 | 27 | 926 |
| June..... | 935 | -- | 86 | 28 | 821 |
| July..... | 990 | -- | 108 | 27 | 854 |
| August..... | 1,046 | -- | 110 | 25 | 912 |
| September..... | 996 | -- | 89 | 25 | 882 |
| October..... | 940 | -- | 94 | 21 | 825 |
| November..... | 1,175 | -- | 100 | 36 | 1,039 |
| December..... | 1,431 | -- | 103 | 66 | 1,262 |
| Total..... | 14,077 | -- | 1,153 | 559 | 12,365 |
| 2007 | | | | | |
| January..... | 1,537 | -- | 113 | 69 | 1,354 |
| February..... | 2,017 | -- | 170 | 141 | 1,706 |
| March..... | 1,470 | -- | 83 | 65 | 1,322 |
| April..... | 1,293 | -- | 122 | 31 | 1,141 |
| May..... | 1,118 | -- | 111 | 11 | 995 |
| June..... | 963 | -- | 100 | 21 | 842 |
| July..... | 809 | -- | 93 | 11 | 704 |
| August..... | 980 | -- | 113 | 16 | 851 |
| September..... | 750 | -- | 96 | 10 | 644 |
| October..... | 799 | -- | 107 | 7 | 685 |
| November..... | 761 | -- | 99 | 8 | 653 |
| December..... | 966 | -- | 97 | 50 | 820 |
| Total..... | 13,462 | -- | 1,303 | 441 | 11,718 |
| 2008 | | | | | |
| January..... | 749 | -- | 117 | 37 | 595 |
| February..... | 550 | -- | 84 | 30 | 436 |
| March..... | 658 | -- | 129 | 21 | 508 |
| April..... | 479 | -- | 57 | 12 | 410 |
| May..... | 448 | -- | 22 | 12 | 413 |
| June..... | 542 | -- | 26 | 21 | 494 |
| July..... | 560 | -- | 18 | 23 | 519 |
| August..... | 511 | -- | 20 | 14 | 476 |
| September..... | 609 | -- | 132 | 14 | 463 |
| October..... | 418 | -- | 18 | 14 | 386 |
| November..... | 451 | -- | 31 | 17 | 403 |
| Total..... | 5,973 | -- | 653 | 216 | 5,103 |
| Year-to-Date | | | | | |
| 2006..... | 12,646 | -- | 1,050 | 493 | 11,103 |
| 2007..... | 12,496 | -- | 1,207 | 391 | 10,898 |
| 2008..... | 5,973 | -- | 653 | 216 | 5,103 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 13,927 | -- | 1,310 | 457 | 12,160 |
| 2008..... | 6,939 | -- | 750 | 266 | 5,923 |

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 2007 and prior years are final. Values for 2008 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. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Barrels)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 190,763 | 151,004 | 8,601 | 1,603 | 29,556 |
| 1995..... | 135,187 | 102,150 | 6,925 | 1,224 | 24,889 |
| 1996..... | 149,519 | 113,274 | 6,110 | 1,227 | 28,908 |
| 1997..... | 158,042 | 125,146 | 7,664 | 1,562 | 23,670 |
| 1998..... | 220,503 | 178,614 | 11,644 | 1,787 | 28,458 |
| 1999..... | 204,747 | 143,830 | 33,264 | 1,593 | 26,059 |
| 2000..... | 194,150 | 120,129 | 48,855 | 1,587 | 23,579 |
| 2001..... | 212,279 | 126,367 | 62,788 | 1,801 | 21,323 |
| 2002..... | 146,642 | 88,596 | 39,320 | 1,210 | 17,517 |
| 2003..... | 189,260 | 105,319 | 62,617 | 1,394 | 19,929 |
| 2004..... | 185,761 | 103,793 | 57,843 | 1,963 | 22,162 |
| 2005..... | 185,631 | 98,223 | 63,546 | 1,584 | 22,278 |
| 2006 | | | | | |
| January..... | 8,500 | 4,753 | 1,888 | 121 | 1,739 |
| February..... | 6,859 | 3,642 | 1,603 | 131 | 1,483 |
| March..... | 5,320 | 2,791 | 970 | 119 | 1,439 |
| April..... | 5,905 | 3,864 | 775 | 77 | 1,189 |
| May..... | 5,781 | 3,622 | 963 | 51 | 1,145 |
| June..... | 7,705 | 5,149 | 1,479 | 51 | 1,027 |
| July..... | 9,701 | 5,736 | 2,842 | 54 | 1,070 |
| August..... | 12,219 | 8,003 | 3,007 | 50 | 1,159 |
| September..... | 6,076 | 3,912 | 1,019 | 43 | 1,101 |
| October..... | 6,580 | 4,257 | 1,284 | 36 | 1,002 |
| November..... | 6,677 | 4,143 | 1,215 | 57 | 1,262 |
| December..... | 6,576 | 3,658 | 1,288 | 96 | 1,533 |
| Total..... | 87,898 | 53,529 | 18,332 | 886 | 15,150 |
| 2007 | | | | | |
| January..... | 8,959 | 4,327 | 2,912 | 106 | 1,614 |
| February..... | 14,602 | 6,561 | 5,859 | 192 | 1,991 |
| March..... | 8,364 | 4,187 | 2,489 | 98 | 1,590 |
| April..... | 7,549 | 4,682 | 1,406 | 52 | 1,408 |
| May..... | 6,876 | 4,530 | 1,081 | 26 | 1,238 |
| June..... | 7,986 | 5,166 | 1,750 | 37 | 1,032 |
| July..... | 7,771 | 5,337 | 1,535 | 23 | 876 |
| August..... | 10,552 | 7,312 | 2,172 | 35 | 1,033 |
| September..... | 6,771 | 4,723 | 1,249 | 19 | 780 |
| October..... | 6,711 | 4,739 | 1,117 | 16 | 840 |
| November..... | 4,063 | 2,501 | 756 | 16 | 790 |
| December..... | 5,690 | 2,845 | 1,770 | 69 | 1,006 |
| Total..... | 95,895 | 56,910 | 24,097 | 691 | 14,198 |
| 2008 | | | | | |
| January..... | 6,119 | 3,249 | 1,968 | 58 | 845 |
| February..... | 4,727 | 2,626 | 1,353 | 46 | 702 |
| March..... | 4,191 | 2,406 | 1,052 | 32 | 701 |
| April..... | 4,178 | 2,835 | 791 | 19 | 533 |
| May..... | 4,357 | 3,043 | 763 | 21 | 530 |
| June..... | 7,142 | 4,629 | 1,819 | 41 | 653 |
| July..... | 5,789 | 3,652 | 1,414 | 42 | 682 |
| August..... | 4,885 | 3,383 | 863 | 26 | 613 |
| September..... | 5,661 | 3,980 | 982 | 26 | 672 |
| October..... | 3,649 | 2,509 | 619 | 23 | 497 |
| November..... | 4,076 | 2,685 | 823 | 29 | 538 |
| Total..... | 54,775 | 34,997 | 12,447 | 364 | 6,967 |
| Year-to-Date | | | | | |
| 2006..... | 81,322 | 49,871 | 17,044 | 790 | 13,617 |
| 2007..... | 90,204 | 54,065 | 22,326 | 621 | 13,192 |
| 2008..... | 54,775 | 34,997 | 12,447 | 364 | 6,967 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 96,780 | 57,723 | 23,615 | 718 | 14,725 |
| 2008..... | 60,465 | 37,842 | 14,217 | 434 | 7,973 |

Notes: • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and 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 2.3.A. Petroleum Coke: Consumption for Electricity Generation by Sector, 1994 through November 2008
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 3,020 | 875 | 1,382 | 1 | 762 |
| 1995..... | 3,355 | 761 | 1,691 | 1 | 902 |
| 1996..... | 3,322 | 681 | 1,786 | 1 | 853 |
| 1997..... | 4,086 | 1,400 | 1,801 | 1 | 884 |
| 1998..... | 4,860 | 1,769 | 2,230 | 1 | 860 |
| 1999..... | 4,552 | 1,608 | 2,000 | 1 | 944 |
| 2000..... | 3,744 | 1,132 | 2,023 | 1 | 588 |
| 2001..... | 3,871 | 1,418 | 1,890 | 6 | 557 |
| 2002..... | 6,836 | 2,125 | 3,580 | 2 | 1,130 |
| 2003..... | 6,303 | 2,554 | 3,166 | 2 | 582 |
| 2004..... | 7,677 | 4,150 | 2,985 | 1 | 541 |
| 2005..... | 8,330 | 4,130 | 3,746 | 1 | 452 |
| 2006 | | | | | |
| January..... | 709 | 353 | 315 | * | 41 |
| February..... | 628 | 341 | 249 | * | 38 |
| March..... | 596 | 295 | 262 | * | 38 |
| April..... | 605 | 299 | 269 | -- | 36 |
| May..... | 569 | 272 | 261 | -- | 37 |
| June..... | 634 | 320 | 273 | -- | 40 |
| July..... | 693 | 380 | 274 | * | 39 |
| August..... | 661 | 342 | 280 | * | 40 |
| September..... | 594 | 300 | 256 | * | 38 |
| October..... | 596 | 288 | 277 | * | 31 |
| November..... | 529 | 209 | 284 | * | 36 |
| December..... | 549 | 221 | 287 | * | 42 |
| Total..... | 7,363 | 3,619 | 3,286 | 1 | 456 |
| 2007 | | | | | |
| January..... | 585 | 259 | 286 | * | 40 |
| February..... | 470 | 254 | 177 | * | 38 |
| March..... | 475 | 255 | 180 | * | 40 |
| April..... | 466 | 205 | 219 | * | 41 |
| May..... | 506 | 247 | 213 | -- | 45 |
| June..... | 579 | 278 | 254 | -- | 47 |
| July..... | 519 | 236 | 237 | -- | 46 |
| August..... | 540 | 256 | 237 | * | 47 |
| September..... | 493 | 230 | 223 | * | 40 |
| October..... | 446 | 208 | 198 | * | 39 |
| November..... | 431 | 162 | 223 | * | 46 |
| December..... | 528 | 218 | 267 | * | 43 |
| Total..... | 6,036 | 2,808 | 2,715 | 2 | 512 |
| 2008 | | | | | |
| January..... | 500 | 207 | 265 | * | 28 |
| February..... | 465 | 204 | 235 | * | 25 |
| March..... | 404 | 211 | 169 | * | 23 |
| April..... | 417 | 162 | 221 | * | 34 |
| May..... | 397 | 141 | 233 | -- | 23 |
| June..... | 492 | 218 | 243 | -- | 31 |
| July..... | 435 | 191 | 215 | -- | 28 |
| August..... | 461 | 219 | 213 | -- | 29 |
| September..... | 426 | 191 | 208 | * | 27 |
| October..... | 464 | 196 | 236 | * | 32 |
| November..... | 407 | 198 | 183 | * | 26 |
| Total..... | 4,869 | 2,139 | 2,421 | 1 | 308 |
| Year-to-Date | | | | | |
| 2006..... | 6,813 | 3,398 | 3,000 | 1 | 414 |
| 2007..... | 5,509 | 2,590 | 2,448 | 1 | 469 |
| 2008..... | 4,869 | 2,139 | 2,421 | 1 | 308 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 6,058 | 2,811 | 2,734 | 2 | 511 |
| 2008..... | 5,397 | 2,357 | 2,688 | 1 | 351 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

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 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 1,137 | -- | 58 | 4 | 1,075 |
| 1995..... | 1,235 | -- | 222 | 3 | 1,010 |
| 1996..... | 1,275 | -- | 175 | 3 | 1,097 |
| 1997..... | 2,009 | -- | 171 | 3 | 1,835 |
| 1998..... | 1,336 | -- | 103 | 3 | 1,230 |
| 1999..... | 1,437 | -- | 128 | 3 | 1,307 |
| 2000..... | 924 | -- | 120 | 4 | 800 |
| 2001..... | 661 | -- | 119 | -- | 542 |
| 2002..... | 517 | -- | 111 | 6 | 399 |
| 2003..... | 763 | -- | 80 | 9 | 675 |
| 2004..... | 1,043 | -- | 237 | 8 | 798 |
| 2005..... | 783 | -- | 206 | 8 | 568 |
| 2006 | | | | | |
| January..... | 110 | -- | 17 | * | 93 |
| February..... | 104 | -- | 17 | 1 | 85 |
| March..... | 107 | -- | 18 | 1 | 88 |
| April..... | 103 | -- | 17 | -- | 87 |
| May..... | 99 | -- | 12 | -- | 86 |
| June..... | 106 | -- | 16 | -- | 90 |
| July..... | 110 | -- | 19 | * | 90 |
| August..... | 101 | -- | 13 | 1 | 87 |
| September..... | 104 | -- | 17 | 1 | 86 |
| October..... | 94 | -- | 16 | 1 | 77 |
| November..... | 101 | -- | 16 | 1 | 84 |
| December..... | 120 | -- | 18 | 1 | 102 |
| Total..... | 1,259 | -- | 195 | 9 | 1,055 |
| 2007 | | | | | |
| January..... | 101 | -- | 14 | 1 | 86 |
| February..... | 101 | -- | 11 | 1 | 89 |
| March..... | 102 | -- | 12 | 1 | 89 |
| April..... | 99 | -- | 13 | 1 | 85 |
| May..... | 101 | -- | 14 | -- | 87 |
| June..... | 107 | -- | 16 | -- | 92 |
| July..... | 117 | -- | 14 | -- | 104 |
| August..... | 126 | -- | 12 | 1 | 113 |
| September..... | 111 | -- | 18 | 2 | 91 |
| October..... | 95 | -- | 14 | 2 | 79 |
| November..... | 98 | -- | 13 | 1 | 83 |
| December..... | 105 | -- | 12 | 1 | 92 |
| Total..... | 1,262 | -- | 162 | 11 | 1,090 |
| 2008 | | | | | |
| January..... | 100 | -- | 11 | 1 | 87 |
| February..... | 96 | -- | 10 | 1 | 85 |
| March..... | 129 | -- | 12 | 1 | 116 |
| April..... | 90 | -- | 15 | 1 | 73 |
| May..... | 101 | -- | 11 | -- | 89 |
| June..... | 94 | -- | 11 | -- | 83 |
| July..... | 90 | -- | 10 | -- | 80 |
| August..... | 60 | -- | 5 | -- | 55 |
| September..... | 64 | -- | 8 | * | 56 |
| October..... | 96 | -- | 13 | 1 | 81 |
| November..... | 73 | -- | 12 | 1 | 60 |
| Total..... | 991 | -- | 117 | 7 | 866 |
| Year-to-Date | | | | | |
| 2006..... | 1,139 | -- | 178 | 8 | 953 |
| 2007..... | 1,158 | -- | 150 | 10 | 998 |
| 2008..... | 991 | -- | 117 | 7 | 866 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 1,278 | -- | 168 | 11 | 1,100 |
| 2008..... | 1,096 | -- | 129 | 8 | 958 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**".)

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 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 4,157 | 875 | 1,440 | 4 | 1,838 |
| 1995..... | 4,590 | 761 | 1,913 | 4 | 1,912 |
| 1996..... | 4,596 | 681 | 1,961 | 4 | 1,950 |
| 1997..... | 6,095 | 1,400 | 1,972 | 4 | 2,719 |
| 1998..... | 6,196 | 1,769 | 2,333 | 4 | 2,090 |
| 1999..... | 5,989 | 1,608 | 2,127 | 4 | 2,251 |
| 2000..... | 4,669 | 1,132 | 2,143 | 6 | 1,388 |
| 2001..... | 4,532 | 1,418 | 2,009 | 6 | 1,099 |
| 2002..... | 7,353 | 2,125 | 3,691 | 8 | 1,529 |
| 2003..... | 7,067 | 2,554 | 3,245 | 11 | 1,257 |
| 2004..... | 8,721 | 4,150 | 3,223 | 9 | 1,339 |
| 2005..... | 9,113 | 4,130 | 3,953 | 9 | 1,020 |
| 2006 | | | | | |
| January..... | 819 | 353 | 332 | * | 134 |
| February..... | 731 | 341 | 267 | 1 | 123 |
| March..... | 703 | 295 | 281 | 1 | 126 |
| April..... | 708 | 299 | 286 | -- | 123 |
| May..... | 668 | 272 | 273 | -- | 123 |
| June..... | 740 | 320 | 289 | -- | 130 |
| July..... | 803 | 380 | 294 | * | 129 |
| August..... | 762 | 342 | 293 | 2 | 126 |
| September..... | 697 | 300 | 272 | 1 | 124 |
| October..... | 690 | 288 | 292 | 2 | 109 |
| November..... | 630 | 209 | 299 | 1 | 120 |
| December..... | 670 | 221 | 304 | 1 | 143 |
| Total..... | 8,622 | 3,619 | 3,482 | 10 | 1,511 |
| 2007 | | | | | |
| January..... | 686 | 259 | 300 | 1 | 126 |
| February..... | 571 | 254 | 188 | 1 | 127 |
| March..... | 577 | 255 | 193 | 1 | 129 |
| April..... | 564 | 205 | 232 | 1 | 126 |
| May..... | 607 | 247 | 227 | -- | 132 |
| June..... | 686 | 278 | 269 | -- | 139 |
| July..... | 636 | 236 | 250 | -- | 150 |
| August..... | 666 | 256 | 249 | 1 | 160 |
| September..... | 604 | 230 | 241 | 2 | 131 |
| October..... | 541 | 208 | 212 | 2 | 118 |
| November..... | 529 | 162 | 236 | 2 | 129 |
| December..... | 632 | 218 | 279 | 1 | 135 |
| Total..... | 7,299 | 2,808 | 2,877 | 12 | 1,602 |
| 2008 | | | | | |
| January..... | 599 | 207 | 276 | 1 | 115 |
| February..... | 561 | 204 | 245 | 1 | 110 |
| March..... | 532 | 211 | 180 | 1 | 139 |
| April..... | 507 | 162 | 236 | 1 | 108 |
| May..... | 498 | 141 | 244 | -- | 113 |
| June..... | 586 | 218 | 254 | -- | 114 |
| July..... | 525 | 191 | 225 | -- | 109 |
| August..... | 522 | 219 | 218 | -- | 84 |
| September..... | 490 | 191 | 217 | * | 83 |
| October..... | 560 | 196 | 249 | 2 | 113 |
| November..... | 480 | 198 | 195 | 2 | 86 |
| Total..... | 5,860 | 2,139 | 2,538 | 8 | 1,174 |
| Year-to-Date | | | | | |
| 2006..... | 7,952 | 3,398 | 3,177 | 9 | 1,368 |
| 2007..... | 6,667 | 2,590 | 2,598 | 11 | 1,467 |
| 2008..... | 5,860 | 2,139 | 2,538 | 8 | 1,174 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 7,336 | 2,811 | 2,902 | 12 | 1,610 |
| 2008..... | 6,492 | 2,357 | 2,817 | 10 | 1,309 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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 2.4.A. Natural Gas: Consumption for Electricity Generation by Sector, 1994 through November 2008
(Thousand Mcf)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 4,367,148 | 2,987,146 | 771,337 | 40,828 | 567,836 |
| 1995..... | 4,737,871 | 3,196,507 | 897,266 | 42,700 | 601,397 |
| 1996..... | 4,312,458 | 2,732,107 | 927,703 | 42,380 | 610,268 |
| 1997..... | 4,564,770 | 2,968,453 | 934,742 | 38,975 | 622,599 |
| 1998..... | 5,081,384 | 3,258,054 | 1,157,759 | 40,693 | 624,878 |
| 1999..... | 5,321,984 | 3,113,419 | 1,530,355 | 39,045 | 639,165 |
| 2000..... | 5,691,481 | 3,043,094 | 1,970,977 | 37,029 | 640,381 |
| 2001..... | 5,832,305 | 2,686,287 | 2,456,206 | 36,248 | 653,565 |
| 2002..... | 6,126,062 | 2,259,684 | 3,148,595 | 32,545 | 685,239 |
| 2003..... | 5,616,135 | 1,763,764 | 3,145,485 | 38,480 | 668,407 |
| 2004..... | 5,674,580 | 1,809,443 | 3,265,896 | 32,839 | 566,401 |
| 2005..... | 6,036,370 | 2,134,859 | 3,349,921 | 33,785 | 517,805 |
| 2006 | | | | | |
| January..... | 336,585 | 115,142 | 175,126 | 2,567 | 43,750 |
| February..... | 364,591 | 131,336 | 191,148 | 2,402 | 39,704 |
| March..... | 425,798 | 163,301 | 216,734 | 2,676 | 43,086 |
| April..... | 442,285 | 175,515 | 224,413 | 2,436 | 39,920 |
| May..... | 525,815 | 206,071 | 271,216 | 2,893 | 45,634 |
| June..... | 650,051 | 255,572 | 346,487 | 3,014 | 44,979 |
| July..... | 885,008 | 340,237 | 491,600 | 3,438 | 49,734 |
| August..... | 861,903 | 336,378 | 471,959 | 3,481 | 50,086 |
| September..... | 568,382 | 218,550 | 303,023 | 2,932 | 43,877 |
| October..... | 549,537 | 209,168 | 290,965 | 3,070 | 46,334 |
| November..... | 416,270 | 163,495 | 207,368 | 2,793 | 42,614 |
| December..... | 435,389 | 163,631 | 222,785 | 2,921 | 46,052 |
| Total..... | 6,461,615 | 2,478,396 | 3,412,826 | 34,623 | 535,770 |
| 2007 | | | | | |
| January..... | 476,193 | 180,467 | 240,492 | 2,584 | 52,650 |
| February..... | 442,365 | 170,826 | 228,436 | 2,493 | 40,610 |
| March..... | 432,814 | 161,896 | 226,610 | 2,616 | 41,692 |
| April..... | 470,939 | 180,930 | 246,195 | 2,562 | 41,253 |
| May..... | 528,214 | 207,779 | 273,721 | 2,744 | 43,971 |
| June..... | 648,157 | 250,824 | 349,597 | 3,008 | 44,728 |
| July..... | 781,529 | 297,735 | 431,464 | 3,333 | 48,997 |
| August..... | 992,091 | 387,418 | 547,433 | 3,395 | 53,844 |
| September..... | 704,737 | 271,352 | 382,983 | 2,864 | 47,538 |
| October..... | 626,057 | 250,029 | 325,634 | 3,015 | 47,379 |
| November..... | 468,868 | 181,269 | 240,436 | 2,722 | 44,442 |
| December..... | 517,378 | 195,892 | 272,194 | 2,751 | 46,540 |
| Total..... | 7,089,342 | 2,736,418 | 3,765,194 | 34,087 | 553,643 |
| 2008 | | | | | |
| January..... | 556,336 | 209,678 | 290,497 | 3,646 | 52,515 |
| February..... | 461,138 | 175,971 | 232,705 | 3,085 | 49,377 |
| March..... | 483,244 | 189,661 | 246,882 | 3,565 | 43,136 |
| April..... | 483,321 | 180,341 | 255,417 | 2,912 | 44,651 |
| May..... | 497,894 | 208,371 | 240,808 | 2,664 | 46,052 |
| June..... | 689,360 | 275,937 | 364,208 | 2,672 | 46,542 |
| July..... | 812,695 | 309,446 | 448,200 | 3,233 | 51,816 |
| August..... | 789,424 | 307,061 | 427,146 | 3,369 | 51,848 |
| September..... | 622,656 | 246,821 | 333,394 | 3,001 | 39,440 |
| October..... | 572,761 | 226,582 | 294,227 | 2,885 | 49,066 |
| November..... | 484,860 | 188,171 | 248,956 | 2,921 | 44,813 |
| Total..... | 6,453,690 | 2,518,039 | 3,382,440 | 33,953 | 519,257 |
| Year-to-Date | | | | | |
| 2006..... | 6,026,226 | 2,314,764 | 3,190,041 | 31,702 | 489,718 |
| 2007..... | 6,571,964 | 2,540,525 | 3,493,000 | 31,336 | 507,103 |
| 2008..... | 6,453,690 | 2,518,039 | 3,382,440 | 33,953 | 519,257 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 7,007,354 | 2,704,157 | 3,715,785 | 34,257 | 553,155 |
| 2008..... | 6,971,068 | 2,713,932 | 3,654,634 | 36,704 | 565,797 |

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 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" and 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 2.4.B. Natural Gas: Consumption for Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Mcf)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994 | 784,015 | -- | 144,062 | 31,457 | 608,496 |
| 1995 | 834,382 | -- | 142,753 | 34,964 | 656,665 |
| 1996 | 865,774 | -- | 147,091 | 40,075 | 678,608 |
| 1997 | 868,569 | -- | 161,608 | 47,941 | 659,021 |
| 1998 | 949,106 | -- | 172,471 | 46,527 | 730,108 |
| 1999 | 982,958 | -- | 175,757 | 44,991 | 762,210 |
| 2000 | 985,263 | -- | 192,253 | 47,844 | 745,165 |
| 2001 | 898,286 | -- | 199,808 | 42,407 | 656,071 |
| 2002 | 866,529 | -- | 263,619 | 44,565 | 558,345 |
| 2003 | 721,267 | -- | 225,967 | 19,973 | 475,327 |
| 2004 | 1,052,100 | -- | 388,424 | 39,233 | 624,443 |
| 2005 | 984,340 | -- | 384,365 | 34,172 | 565,803 |
| 2006 | | | | | |
| January | 77,984 | -- | 28,096 | 2,571 | 47,317 |
| February | 69,392 | -- | 23,654 | 2,549 | 43,189 |
| March | 77,194 | -- | 26,934 | 2,662 | 47,598 |
| April | 73,028 | -- | 26,099 | 2,536 | 44,394 |
| May | 76,494 | -- | 27,121 | 2,568 | 46,805 |
| June | 79,105 | -- | 27,602 | 2,801 | 48,703 |
| July | 88,247 | -- | 31,694 | 3,223 | 53,330 |
| August | 88,878 | -- | 31,860 | 3,238 | 53,780 |
| September | 76,836 | -- | 26,748 | 2,658 | 47,430 |
| October | 81,114 | -- | 27,399 | 2,991 | 50,724 |
| November | 74,591 | -- | 25,722 | 2,658 | 46,210 |
| December | 79,954 | -- | 27,949 | 2,657 | 49,349 |
| Total | 942,817 | -- | 330,878 | 33,112 | 578,828 |
| 2007 | | | | | |
| January | 73,646 | -- | 27,190 | 3,063 | 43,393 |
| February | 67,739 | -- | 26,222 | 2,995 | 38,521 |
| March | 69,621 | -- | 27,509 | 2,601 | 39,511 |
| April | 67,381 | -- | 26,019 | 2,475 | 38,887 |
| May | 67,785 | -- | 25,589 | 2,387 | 39,808 |
| June | 70,840 | -- | 28,046 | 2,819 | 39,975 |
| July | 75,921 | -- | 31,322 | 3,214 | 41,386 |
| August | 84,801 | -- | 34,582 | 3,532 | 46,688 |
| September | 73,990 | -- | 28,993 | 3,100 | 41,897 |
| October | 73,577 | -- | 28,430 | 3,143 | 42,004 |
| November | 70,319 | -- | 26,476 | 3,000 | 40,843 |
| December | 76,959 | -- | 29,418 | 3,658 | 43,883 |
| Total | 872,579 | -- | 339,796 | 35,987 | 496,796 |
| 2008 | | | | | |
| January | 70,123 | -- | 27,330 | 2,589 | 40,204 |
| February | 59,320 | -- | 23,535 | 2,621 | 33,164 |
| March | 70,733 | -- | 25,595 | 2,323 | 42,815 |
| April | 59,620 | -- | 22,902 | 1,982 | 34,737 |
| May | 63,621 | -- | 24,001 | 1,887 | 37,733 |
| June | 71,439 | -- | 28,394 | 1,918 | 41,127 |
| July | 66,936 | -- | 28,263 | 1,985 | 36,689 |
| August | 70,245 | -- | 27,992 | 1,920 | 40,333 |
| September | 55,626 | -- | 21,742 | 1,786 | 32,098 |
| October | 62,912 | -- | 24,398 | 2,133 | 36,381 |
| November | 61,635 | -- | 24,809 | 2,107 | 34,719 |
| Total | 712,211 | -- | 278,961 | 23,252 | 409,999 |
| Year-to-Date | | | | | |
| 2006 | 862,863 | -- | 302,929 | 30,455 | 529,479 |
| 2007 | 795,620 | -- | 310,378 | 32,329 | 452,913 |
| 2008 | 712,211 | -- | 278,961 | 23,252 | 409,999 |
| Rolling 12 Months Ending in November | | | | | |
| 2007 | 875,574 | -- | 338,327 | 34,986 | 502,262 |
| 2008 | 789,171 | -- | 308,379 | 26,910 | 453,881 |

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 2007 and prior years are final. Values for 2008 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. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1994 through November 2008
(Thousand Mcf)

| Period | Total (All Sectors) | Electric Power Sector | | Commercial Sector | Industrial Sector |
|---|---------------------|-----------------------|-----------------------------|-------------------|-------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1994..... | 5,151,163 | 2,987,146 | 915,399 | 72,285 | 1,176,332 |
| 1995..... | 5,572,253 | 3,196,507 | 1,040,018 | 77,664 | 1,258,063 |
| 1996..... | 5,178,232 | 2,732,107 | 1,074,794 | 82,455 | 1,288,876 |
| 1997..... | 5,433,338 | 2,968,453 | 1,096,350 | 86,915 | 1,281,620 |
| 1998..... | 6,030,490 | 3,258,054 | 1,330,230 | 87,220 | 1,354,986 |
| 1999..... | 6,304,942 | 3,113,419 | 1,706,112 | 84,037 | 1,401,374 |
| 2000..... | 6,676,744 | 3,043,094 | 2,163,230 | 84,874 | 1,385,546 |
| 2001..... | 6,730,591 | 2,686,287 | 2,656,014 | 78,655 | 1,309,636 |
| 2002..... | 6,986,081 | 2,259,684 | 3,412,213 | 73,975 | 1,240,209 |
| 2003..... | 6,337,402 | 1,763,764 | 3,371,452 | 58,453 | 1,143,734 |
| 2004..... | 6,726,679 | 1,809,443 | 3,654,320 | 72,072 | 1,190,844 |
| 2005..... | 7,020,709 | 2,134,859 | 3,734,286 | 67,957 | 1,083,607 |
| 2006 | | | | | |
| January..... | 414,569 | 115,142 | 203,222 | 5,138 | 91,067 |
| February..... | 433,983 | 131,336 | 214,802 | 4,951 | 82,893 |
| March..... | 502,992 | 163,301 | 243,668 | 5,338 | 90,684 |
| April..... | 515,313 | 175,515 | 250,512 | 4,971 | 84,314 |
| May..... | 602,309 | 206,071 | 298,338 | 5,461 | 92,439 |
| June..... | 729,157 | 255,572 | 374,089 | 5,815 | 93,681 |
| July..... | 973,255 | 340,237 | 523,294 | 6,661 | 103,064 |
| August..... | 950,781 | 336,378 | 503,819 | 6,719 | 103,866 |
| September..... | 645,218 | 218,550 | 329,771 | 5,591 | 91,307 |
| October..... | 630,650 | 209,168 | 318,365 | 6,061 | 97,057 |
| November..... | 490,861 | 163,495 | 233,091 | 5,451 | 88,824 |
| December..... | 515,343 | 163,631 | 250,734 | 5,578 | 95,400 |
| Total..... | 7,404,432 | 2,478,396 | 3,743,704 | 67,735 | 1,114,597 |
| 2007 | | | | | |
| January..... | 549,839 | 180,467 | 267,682 | 5,647 | 96,044 |
| February..... | 510,104 | 170,826 | 254,659 | 5,489 | 79,131 |
| March..... | 502,435 | 161,896 | 254,119 | 5,217 | 81,203 |
| April..... | 538,321 | 180,930 | 272,214 | 5,036 | 80,140 |
| May..... | 595,999 | 207,779 | 299,310 | 5,131 | 83,779 |
| June..... | 718,997 | 250,824 | 377,643 | 5,827 | 84,703 |
| July..... | 857,450 | 297,735 | 462,786 | 6,547 | 90,383 |
| August..... | 1,076,892 | 387,418 | 582,015 | 6,927 | 100,532 |
| September..... | 778,727 | 271,352 | 411,975 | 5,965 | 89,435 |
| October..... | 699,633 | 250,029 | 354,063 | 6,158 | 89,383 |
| November..... | 539,187 | 181,269 | 266,912 | 5,722 | 85,285 |
| December..... | 594,337 | 195,892 | 301,612 | 6,410 | 90,423 |
| Total..... | 7,961,922 | 2,736,418 | 4,104,991 | 70,074 | 1,050,439 |
| 2008 | | | | | |
| January..... | 626,460 | 209,678 | 317,827 | 6,235 | 92,719 |
| February..... | 520,458 | 175,971 | 256,240 | 5,706 | 82,541 |
| March..... | 553,977 | 189,661 | 272,477 | 5,888 | 85,950 |
| April..... | 542,942 | 180,341 | 278,319 | 4,894 | 79,388 |
| May..... | 561,516 | 208,371 | 264,809 | 4,551 | 83,785 |
| June..... | 760,799 | 275,937 | 392,603 | 4,590 | 87,669 |
| July..... | 879,631 | 309,446 | 476,462 | 5,217 | 88,505 |
| August..... | 859,669 | 307,061 | 455,138 | 5,289 | 92,181 |
| September..... | 678,282 | 246,821 | 355,135 | 4,788 | 71,538 |
| October..... | 635,673 | 226,582 | 318,625 | 5,018 | 85,447 |
| November..... | 546,495 | 188,171 | 273,765 | 5,028 | 79,532 |
| Total..... | 7,165,901 | 2,518,039 | 3,661,401 | 57,204 | 929,256 |
| Year-to-Date | | | | | |
| 2006..... | 6,889,089 | 2,314,764 | 3,492,970 | 62,157 | 1,019,197 |
| 2007..... | 7,367,584 | 2,540,525 | 3,803,378 | 63,665 | 960,016 |
| 2008..... | 7,165,901 | 2,518,039 | 3,661,401 | 57,204 | 929,256 |
| Rolling 12 Months Ending in November | | | | | |
| 2007..... | 7,882,928 | 2,704,157 | 4,054,112 | 69,243 | 1,055,417 |
| 2008..... | 7,760,238 | 2,713,932 | 3,963,013 | 63,614 | 1,019,679 |

Notes: • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 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. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and 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 2.5.A. Consumption of Coal for Electricity Generation by State by Sector, November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 763 | 553 | 38.0 | 136 | 151 | 625 | 397 | -- | -- | NM | 4 |
| Connecticut | 167 | 52 | 224.4 | -- | -- | 167 | 52 | -- | -- | -- | -- |
| Maine | 2 | 5 | -63.2 | -- | -- | * | 2 | -- | -- | 2 | 4 |
| Massachusetts | 458 | 345 | 32.8 | -- | -- | 457 | 344 | -- | -- | NM | 1 |
| New Hampshire | 136 | 151 | -10.2 | 136 | 151 | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 5,211 | 5,516 | -5.5 | NM | 56 | 5,158 | 5,422 | NM | 1 | 43 | 38 |
| New Jersey | 224 | 361 | -38.1 | NM | * | 220 | 361 | -- | -- | -- | -- |
| New York | 711 | 744 | -4.4 | NM | 56 | 697 | 680 | * | 1 | 7 | 8 |
| Pennsylvania | 4,277 | 4,411 | -3.0 | -- | -- | 4,241 | 4,381 | NM | * | 35 | 29 |
| East North Central | 19,310 | 18,643 | 3.6 | 12,959 | 13,015 | 6,083 | 5,506 | 11 | 12 | 257 | 110 |
| Illinois | 4,812 | 4,314 | 11.6 | 131 | 467 | 4,473 | 3,782 | 1 | 2 | 207 | 63 |
| Indiana | 4,736 | 4,534 | 4.5 | 4,419 | 4,180 | 313 | 350 | 3 | 3 | NM | 1 |
| Michigan | 3,037 | 3,038 | -1 | 2,993 | 2,994 | NM | 26 | 6 | 6 | 12 | 13 |
| Ohio | 4,683 | 4,884 | -4.1 | 3,411 | 3,530 | 1,263 | 1,346 | -- | -- | NM | 8 |
| Wisconsin | 2,041 | 1,872 | 9.0 | 2,004 | 1,844 | NM | 2 | NM | 1 | 28 | 26 |
| West North Central | 11,595 | 11,801 | -1.8 | 11,494 | 11,697 | NM | 3 | 8 | 8 | 91 | 93 |
| Iowa | 2,060 | 1,915 | 7.6 | 2,020 | 1,879 | -- | -- | 5 | 4 | 35 | 32 |
| Kansas | 1,699 | 1,941 | -12.5 | 1,699 | 1,941 | -- | -- | -- | -- | -- | -- |
| Minnesota | 1,426 | 1,428 | -2 | 1,384 | 1,381 | NM | 3 | -- | -- | NM | 45 |
| Missouri | 3,091 | 3,485 | -11.3 | 3,084 | 3,476 | -- | -- | 2 | 4 | NM | 5 |
| Nebraska | 908 | 1,084 | -16.2 | 907 | 1,083 | -- | -- | -- | -- | NM | 1 |
| North Dakota | 2,215 | 1,936 | 14.4 | 2,205 | 1,927 | -- | -- | -- | -- | NM | 9 |
| South Dakota | 195 | 11 | NM | 195 | 11 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 12,814 | 14,381 | -10.9 | 10,558 | 12,222 | 2,161 | 2,091 | 2 | 2 | 92 | 67 |
| Delaware | 230 | 242 | -5.2 | -- | -- | 228 | 240 | -- | -- | NM | 2 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1,993 | 2,208 | -9.7 | 1,867 | 2,093 | 122 | 110 | -- | -- | NM | 5 |
| Georgia | 2,657 | 3,152 | -15.7 | 2,641 | 3,136 | -- | -- | -- | -- | 16 | 15 |
| Maryland | 768 | 924 | -16.8 | -- | -- | 763 | 919 | -- | -- | 5 | 5 |
| North Carolina | 2,354 | 2,512 | -6.3 | 2,273 | 2,427 | NM | 76 | 2 | 2 | NM | 7 |
| South Carolina | 1,249 | 1,444 | -13.5 | 1,227 | 1,437 | NM | -- | -- | -- | 22 | 8 |
| Virginia | 952 | 1,087 | -12.4 | 795 | 940 | 127 | 132 | NM | -- | 29 | 15 |
| West Virginia | 2,611 | 2,812 | -7.1 | 1,755 | 2,189 | 847 | 613 | -- | -- | 9 | 10 |
| East South Central | 8,853 | 8,747 | 1.2 | 8,310 | 8,259 | 502 | 462 | NM | * | 39 | 27 |
| Alabama | 2,703 | 2,777 | -2.7 | 2,687 | 2,765 | 5 | 7 | -- | -- | NM | 5 |
| Kentucky | 3,614 | 3,170 | 14.0 | 3,239 | 2,833 | 375 | 337 | -- | -- | -- | -- |
| Mississippi | 481 | 546 | -12.0 | 359 | 428 | 122 | 118 | -- | -- | NM | -- |
| Tennessee | 2,054 | 2,254 | -8.9 | 2,026 | 2,232 | -- | -- | NM | * | 28 | 22 |
| West South Central | 12,265 | 12,311 | -4 | 6,548 | 6,390 | 5,700 | 5,901 | -- | -- | NM | 20 |
| Arkansas | 1,458 | 1,055 | 38.1 | 1,456 | 1,054 | -- | -- | -- | -- | NM | 2 |
| Louisiana | 1,211 | 1,271 | -4.7 | 534 | 772 | 676 | 499 | -- | -- | NM | 1 |
| Oklahoma | 1,779 | 1,506 | 18.2 | 1,651 | 1,370 | 113 | 118 | -- | -- | NM | 18 |
| Texas | 7,817 | 8,478 | -7.8 | 2,907 | 3,194 | 4,911 | 5,285 | -- | -- | -- | -- |
| Mountain | 9,574 | 9,593 | -2 | 8,370 | 8,453 | 1,190 | 1,124 | -- | -- | NM | 16 |
| Arizona | 1,823 | 1,763 | 3.4 | 1,814 | 1,752 | -- | -- | -- | -- | NM | 11 |
| Colorado | 1,465 | 1,560 | -6.0 | 1,461 | 1,556 | NM | 4 | -- | -- | -- | -- |
| Idaho | NM | 2 | -- | -- | -- | -- | -- | -- | -- | NM | 2 |
| Montana | 1,030 | 1,061 | -2.9 | NM | 26 | 1,004 | 1,035 | -- | -- | -- | -- |
| Nevada | 369 | 309 | 19.4 | 295 | 309 | 74 | -- | -- | -- | -- | -- |
| New Mexico | 1,405 | 1,295 | 8.5 | 1,405 | 1,295 | -- | -- | -- | -- | -- | -- |
| Utah | 1,392 | 1,324 | 5.1 | 1,359 | 1,284 | NM | 40 | -- | -- | -- | -- |
| Wyoming | 2,089 | 2,280 | -8.4 | 2,009 | 2,232 | NM | 45 | -- | -- | NM | 3 |
| Pacific Contiguous | 892 | 864 | 3.3 | 237 | 250 | 646 | 606 | -- | -- | 8 | 8 |
| California | 73 | 67 | 9.7 | -- | -- | 66 | 59 | -- | -- | 8 | 8 |
| Oregon | 237 | 250 | -4.9 | 237 | 250 | -- | -- | -- | -- | -- | -- |
| Washington | 582 | 547 | 6.3 | -- | -- | 581 | 547 | -- | -- | 1 | 1 |
| Pacific Noncontiguous | 106 | 86 | 22.8 | 18 | 16 | 81 | 62 | 8 | 8 | -- | -- |
| Alaska | 42 | 46 | -9.2 | 18 | 16 | NM | 22 | 8 | 8 | -- | -- |
| Hawaii | 64 | 40 | 59.0 | -- | -- | 64 | 40 | -- | -- | -- | -- |
| U.S. Total | 81,383 | 82,495 | -1.3 | 58,641 | 60,509 | 22,148 | 21,573 | 30 | 30 | 564 | 383 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Percent difference is calculated before rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.5.B. Consumption of Coal for Electricity Generation by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 7,495 | 7,970 | -6.0 | 1,329 | 1,464 | 6,113 | 6,457 | -- | -- | NM | 49 |
| Connecticut | 1,962 | 1,690 | 16.1 | -- | -- | 1,962 | 1,690 | -- | -- | -- | -- |
| Maine | 73 | 64 | 14.9 | -- | -- | 30 | 23 | -- | -- | 44 | 41 |
| Massachusetts | 4,130 | 4,752 | -13.1 | -- | -- | 4,121 | 4,744 | -- | -- | NM | 8 |
| New Hampshire | 1,329 | 1,464 | -9.2 | 1,329 | 1,464 | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 61,841 | 63,442 | -2.5 | NM | 598 | 60,599 | 62,285 | NM | 4 | 758 | 554 |
| New Jersey | 3,738 | 4,031 | -7.3 | NM | 24 | 3,512 | 4,007 | -- | -- | -- | -- |
| New York | 8,613 | 8,701 | -1.0 | NM | 574 | 8,150 | 8,032 | 4 | 3 | 207 | 91 |
| Pennsylvania | 49,490 | 50,710 | -2.4 | -- | -- | 48,937 | 50,246 | NM | 1 | NM | 463 |
| East North Central | 220,353 | 217,473 | 1.3 | 147,951 | 150,199 | 69,649 | 65,990 | 127 | 131 | 2,626 | 1,154 |
| Illinois | 54,317 | 52,104 | 4.2 | 1,992 | 5,047 | 50,309 | 46,400 | 15 | 23 | 2,002 | 634 |
| Indiana | 55,552 | 55,417 | .2 | 51,887 | 51,840 | 3,603 | 3,525 | 48 | 38 | NM | 14 |
| Michigan | 33,433 | 33,772 | -1.0 | 32,967 | 33,262 | NM | 294 | 56 | 62 | 143 | 154 |
| Ohio | 53,897 | 54,252 | -7 | 38,365 | 38,429 | 15,423 | 15,739 | -- | -- | NM | 85 |
| Wisconsin | 23,153 | 21,929 | 5.6 | 22,740 | 21,621 | NM | 33 | NM | 8 | 356 | 267 |
| West North Central | 137,430 | 135,528 | 1.4 | 136,211 | 134,444 | NM | 19 | 108 | 98 | 1,088 | 967 |
| Iowa | 23,192 | 21,346 | 8.6 | 22,675 | 20,949 | -- | -- | 64 | 49 | 453 | 348 |
| Kansas | 19,729 | 20,714 | -4.8 | 19,729 | 20,714 | -- | -- | -- | -- | -- | -- |
| Minnesota | 17,576 | 17,853 | -1.5 | 17,095 | 17,360 | NM | 19 | -- | -- | NM | 473 |
| Missouri | 40,258 | 40,449 | -5 | 40,154 | 40,344 | -- | -- | 45 | 48 | NM | 56 |
| Nebraska | 12,145 | 11,045 | 10.0 | 12,131 | 11,037 | -- | -- | -- | -- | NM | 7 |
| North Dakota | 22,387 | 22,473 | -4 | 22,286 | 22,391 | -- | -- | -- | -- | NM | 82 |
| South Dakota | 2,142 | 1,649 | 29.9 | 2,142 | 1,649 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 165,452 | 169,559 | -2.4 | 138,538 | 142,302 | 25,654 | 26,508 | 21 | 10 | 1,240 | 740 |
| Delaware | 2,137 | 2,243 | -4.8 | -- | -- | 2,114 | 2,224 | -- | -- | NM | 20 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 25,554 | 26,000 | -1.7 | 23,840 | 24,290 | 1,661 | 1,662 | -- | -- | NM | 48 |
| Georgia | 36,501 | 37,576 | -2.9 | 36,216 | 37,418 | -- | -- | -- | -- | 284 | 158 |
| Maryland | 10,089 | 10,858 | -7.1 | -- | -- | 10,037 | 10,804 | -- | -- | 51 | 55 |
| North Carolina | 28,673 | 29,722 | -3.5 | 27,551 | 28,563 | NM | 1,070 | 21 | 10 | NM | 79 |
| South Carolina | 15,919 | 15,091 | 5.5 | 15,626 | 15,010 | NM | -- | -- | -- | 293 | 81 |
| Virginia | 12,008 | 13,227 | -9.2 | 9,778 | 11,197 | 1,896 | 1,886 | NM | -- | 334 | 144 |
| West Virginia | 34,572 | 34,841 | -8 | 25,527 | 25,824 | 8,927 | 8,862 | -- | -- | 118 | 155 |
| East South Central | 105,238 | 106,219 | -9 | 98,081 | 98,806 | 6,718 | 7,108 | NM | 9 | 431 | 296 |
| Alabama | 33,008 | 34,309 | -3.8 | 32,799 | 34,175 | 86 | 79 | -- | -- | NM | 56 |
| Kentucky | 38,500 | 37,539 | 2.6 | 34,632 | 33,570 | 3,868 | 3,969 | -- | -- | -- | -- |
| Mississippi | 8,737 | 9,076 | -3.7 | 5,971 | 6,016 | 2,764 | 3,060 | -- | -- | NM | 1 |
| Tennessee | 24,994 | 25,294 | -1.2 | 24,679 | 25,045 | -- | -- | NM | 9 | 307 | 240 |
| West South Central | 142,936 | 140,545 | 1.7 | 77,418 | 74,678 | 65,250 | 65,655 | -- | -- | NM | 213 |
| Arkansas | 14,223 | 14,106 | .8 | 14,195 | 14,085 | -- | -- | -- | -- | NM | 21 |
| Louisiana | 14,687 | 13,964 | 5.2 | 7,396 | 6,895 | 7,287 | 7,060 | -- | -- | NM | 9 |
| Oklahoma | 21,105 | 18,743 | 12.6 | 19,631 | 17,362 | 1,238 | 1,199 | -- | -- | NM | 183 |
| Texas | 92,921 | 93,731 | -9 | 36,196 | 36,336 | 56,725 | 57,396 | -- | -- | -- | -- |
| Mountain | 105,723 | 105,400 | .3 | 93,089 | 93,274 | 11,979 | 11,495 | -- | -- | NM | 631 |
| Arizona | 20,530 | 19,430 | 5.7 | 20,416 | 19,328 | -- | -- | -- | -- | NM | 102 |
| Colorado | 17,009 | 17,557 | -3.1 | 16,961 | 17,509 | NM | 48 | -- | -- | -- | -- |
| Idaho | NM | 18 | -- | -- | -- | -- | -- | -- | -- | NM | 18 |
| Montana | 10,939 | 10,861 | .7 | NM | 271 | 10,632 | 10,590 | -- | -- | -- | -- |
| Nevada | 3,197 | 3,129 | 2.2 | 3,046 | 3,129 | 152 | -- | -- | -- | -- | -- |
| New Mexico | 13,935 | 14,641 | -4.8 | 13,935 | 14,641 | -- | -- | -- | -- | -- | -- |
| Utah | 15,896 | 15,551 | 2.2 | 15,055 | 14,701 | NM | 378 | -- | -- | 481 | 472 |
| Wyoming | 24,202 | 24,212 | .0 | 23,370 | 23,695 | NM | 479 | -- | -- | NM | 39 |
| Pacific Contiguous | 8,078 | 8,222 | -1.8 | 2,134 | 2,320 | 5,849 | 5,811 | -- | -- | 95 | 90 |
| California | 809 | 760 | 6.5 | -- | -- | 729 | 676 | -- | -- | 80 | 83 |
| Oregon | 2,134 | 2,320 | -8.0 | 2,134 | 2,320 | -- | -- | -- | -- | -- | -- |
| Washington | 5,135 | 5,142 | -1 | -- | -- | 5,120 | 5,135 | -- | -- | 15 | 7 |
| Pacific Noncontiguous | NM | 1,075 | -- | 192 | 176 | NM | 821 | 161 | 78 | -- | -- |
| Alaska | 543 | 451 | 20.5 | 192 | 176 | NM | 197 | 161 | 78 | -- | -- |
| Hawaii | NM | 624 | -- | -- | -- | NM | 624 | -- | -- | -- | -- |
| U.S. Total | 955,801 | 955,432 | .0 | 695,421 | 698,261 | 252,735 | 252,148 | 430 | 330 | 7,215 | 4,693 |

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Percent difference is calculated before rounding. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.6.A. Consumption of Petroleum Liquids for Electricity Generation by State by Sector, November 2008 and 2007

(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|--------------|----------------|-----------------------|--------------|-----------------------------|------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 349 | 331 | 5.5 | NM | 6 | 298 | 300 | NM | 2 | NM | 23 |
| Connecticut | NM | 34 | -- | * | * | NM | 33 | NM | -- | NM | * |
| Maine | 65 | 33 | 98.9 | NM | * | 36 | 11 | NM | * | NM | 21 |
| Massachusetts | 243 | 260 | -6.5 | 6 | 2 | 229 | 256 | NM | 1 | NM | 1 |
| New Hampshire | NM | 2 | -- | 1 | 2 | NM | * | NM | * | NM | * |
| Rhode Island | NM | 1 | -- | NM | 1 | NM | -- | NM | * | -- | * |
| Vermont | NM | 1 | -- | NM | 1 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 645 | 271 | 138.4 | 457 | 155 | 159 | 99 | NM | 4 | NM | 12 |
| New Jersey | 26 | 21 | 26.0 | NM | * | 24 | 21 | NM | * | NM | * |
| New York | NM | 194 | -- | NM | 155 | NM | 25 | NM | 4 | 15 | 11 |
| Pennsylvania | 82 | 56 | 46.9 | NM | -- | 71 | 54 | NM | 1 | NM | 1 |
| East North Central | 123 | 130 | -5.2 | 88 | 98 | 28 | 24 | NM | * | NM | 7 |
| Illinois | 23 | 29 | -19.7 | NM | 15 | 21 | 14 | NM | * | NM | * |
| Indiana | 27 | 24 | 14.2 | 25 | 22 | NM | * | NM | * | NM | 1 |
| Michigan | NM | 23 | -- | NM | 18 | NM | * | 1 | * | NM | 4 |
| Ohio | 36 | 42 | -13.2 | 30 | 31 | NM | 11 | -- | -- | NM | * |
| Wisconsin | NM | 13 | -- | NM | 12 | NM | * | NM | -- | NM | 1 |
| West North Central | 42 | 99 | -57.6 | 38 | 98 | 3 | * | NM | * | NM | * |
| Iowa | NM | 22 | -- | NM | 22 | NM | * | * | * | NM | * |
| Kansas | NM | 11 | -- | NM | 11 | -- | -- | NM | -- | -- | -- |
| Minnesota | 14 | 29 | -53.3 | 10 | 29 | 3 | * | NM | * | NM | * |
| Missouri | 8 | 11 | -31.9 | 8 | 11 | -- | -- | -- | * | -- | * |
| Nebraska | NM | 5 | -- | NM | 5 | -- | -- | -- | * | -- | -- |
| North Dakota | NM | 8 | -- | NM | 8 | -- | -- | -- | * | NM | * |
| South Dakota | NM | 12 | -- | NM | 12 | -- | * | -- | * | -- | -- |
| South Atlantic | 1,148 | 1,006 | 14.2 | 1,040 | 897 | 71 | 46 | NM | 1 | 36 | 62 |
| Delaware | NM | 18 | -- | -- | * | NM | 4 | -- | -- | NM | 13 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 613 | 831 | -26.3 | 596 | 814 | NM | 3 | NM | -- | NM | 14 |
| Georgia | 29 | 25 | 16.1 | 18 | 16 | NM | 1 | NM | * | 11 | 9 |
| Maryland | 34 | 34 | -1.7 | NM | 1 | 31 | 33 | NM | * | NM | -- |
| North Carolina | 70 | 35 | 101.6 | 63 | 18 | NM | 1 | NM | -- | NM | 16 |
| South Carolina | NM | 21 | -- | NM | 16 | NM | -- | NM | * | 7 | 5 |
| Virginia | 362 | 23 | NM | 334 | 12 | 24 | 5 | -- | * | 4 | 5 |
| West Virginia | 15 | 20 | -23.5 | 15 | 20 | -- | -- | -- | -- | -- | -- |
| East South Central | 59 | 59 | -8 | 46 | 43 | NM | 8 | -- | -- | NM | 8 |
| Alabama | 23 | 12 | 97.3 | 13 | 6 | NM | * | -- | -- | NM | 6 |
| Kentucky | NM | 27 | -- | 16 | 19 | NM | 8 | -- | -- | -- | -- |
| Mississippi | NM | 2 | -- | NM | 2 | -- | -- | -- | -- | NM | * |
| Tennessee | 16 | 18 | -13.6 | 16 | 16 | -- | -- | -- | -- | NM | 2 |
| West South Central | 49 | 52 | -7.1 | 33 | 33 | 9 | 14 | NM | * | NM | 5 |
| Arkansas | 14 | 11 | 25.3 | 13 | 10 | -- | -- | -- | -- | 1 | 1 |
| Louisiana | 16 | 10 | 66.2 | 11 | * | 3 | 7 | -- | -- | NM | 2 |
| Oklahoma | NM | 17 | -- | NM | 16 | -- | -- | NM | -- | NM | * |
| Texas | NM | 15 | -- | 6 | 6 | 6 | 7 | NM | * | NM | 2 |
| Mountain | 36 | 47 | -23.8 | 30 | 45 | NM | 2 | NM | * | NM | * |
| Arizona | 8 | 6 | 32.4 | 8 | 6 | -- | -- | NM | * | NM | * |
| Colorado | NM | 2 | -- | NM | 2 | * | * | * | -- | NM | -- |
| Idaho | -- | * | -- | NM | * | -- | -- | -- | -- | -- | -- |
| Montana | NM | 1 | -- | NM | * | NM | 1 | -- | -- | -- | -- |
| Nevada | NM | 2 | -- | NM | 2 | 1 | * | -- | -- | -- | -- |
| New Mexico | NM | 21 | -- | NM | 21 | NM | 1 | -- | -- | NM | -- |
| Utah | NM | 8 | -- | NM | 8 | NM | * | -- | -- | -- | -- |
| Wyoming | NM | 6 | -- | 8 | 6 | NM | * | -- | -- | NM | * |
| Pacific Contiguous | NM | 17 | -- | NM | 10 | NM | 4 | NM | * | NM | 2 |
| California | NM | 10 | -- | NM | 7 | NM | 3 | NM | * | NM | * |
| Oregon | NM | 2 | -- | NM | 2 | -- | -- | -- | -- | NM | * |
| Washington | NM | 5 | -- | NM | 1 | 1 | 2 | * | * | NM | 2 |
| Pacific Noncontiguous | 1,158 | 1,292 | -10.4 | 933 | 1,116 | 211 | 158 | NM | 1 | NM | 17 |
| Alaska | 103 | 166 | -37.6 | 98 | 146 | -- | 12 | NM | * | NM | 7 |
| Hawaii | 1,055 | 1,126 | -6.3 | 835 | 969 | 211 | 146 | * | * | NM | 10 |
| U.S. Total | 3,625 | 3,302 | 9.8 | 2,685 | 2,501 | 792 | 657 | 12 | 8 | 135 | 137 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.6.B. Consumption of Petroleum Liquids for Electricity Generation by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|-----------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|------------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 5,099 | 8,339 | -38.9 | NM | 640 | 4,315 | 7,155 | NM | 105 | 403 | 439 |
| Connecticut..... | NM | 2,014 | -- | NM | 4 | NM | 1,986 | NM | -- | NM | 25 |
| Maine..... | 589 | 930 | -36.7 | NM | 2 | NM | 590 | NM | 6 | 299 | 333 |
| Massachusetts..... | 3,219 | 4,753 | -32.3 | NM | 99 | 3,077 | 4,538 | NM | 38 | NM | 77 |
| New Hampshire..... | NM | 555 | -- | NM | 498 | NM | 34 | NM | 20 | NM | 3 |
| Rhode Island..... | NM | 68 | -- | NM | 20 | NM | 7 | NM | 40 | * | 1 |
| Vermont..... | NM | 18 | -- | NM | 18 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 6,519 | 15,733 | -58.6 | 2,679 | 7,037 | 3,496 | 8,395 | NM | 87 | NM | 215 |
| New Jersey..... | 585 | 875 | -33.1 | NM | 22 | 535 | 850 | NM | 2 | NM | 1 |
| New York..... | 4,579 | 12,564 | -63.6 | 2,627 | 7,015 | 1,729 | 5,330 | NM | 76 | 178 | 144 |
| Pennsylvania..... | 1,355 | 2,294 | -40.9 | NM | -- | 1,233 | 2,215 | NM | 9 | NM | 70 |
| East North Central | 1,826 | 2,198 | -16.9 | 1,423 | 1,763 | 325 | 320 | 10 | 2 | NM | 113 |
| Illinois..... | 277 | 247 | 12.1 | NM | 73 | 227 | 174 | NM | 1 | NM | * |
| Indiana..... | 298 | 263 | 13.3 | 284 | 244 | NM | * | NM | 1 | NM | 17 |
| Michigan..... | 603 | 854 | -29.4 | 558 | 786 | NM | 1 | NM | * | NM | 67 |
| Ohio..... | 493 | 525 | -6.0 | 396 | 383 | NM | 136 | -- | -- | NM | 5 |
| Wisconsin..... | NM | 309 | -- | NM | 276 | NM | 10 | NM | * | NM | 23 |
| West North Central | 777 | 1,337 | -41.9 | 756 | 1,269 | NM | 56 | NM | 7 | NM | 4 |
| Iowa..... | NM | 417 | -- | NM | 406 | NM | 10 | NM | * | NM | * |
| Kansas..... | 94 | 82 | 15.1 | 94 | 82 | -- | -- | NM | -- | -- | -- |
| Minnesota..... | NM | 436 | -- | NM | 384 | 5 | 45 | NM | 5 | NM | 2 |
| Missouri..... | NM | 122 | -- | NM | 122 | -- | -- | 1 | * | -- | * |
| Nebraska..... | 76 | 75 | 1.7 | 76 | 75 | -- | -- | -- | * | -- | -- |
| North Dakota..... | 81 | 84 | -3.7 | 80 | 81 | -- | -- | -- | 1 | NM | 2 |
| South Dakota..... | NM | 121 | -- | NM | 120 | -- | 1 | -- | * | -- | -- |
| South Atlantic | 18,660 | 31,920 | -41.5 | 16,637 | 28,153 | 1,372 | 3,016 | NM | 13 | 645 | 738 |
| Delaware..... | NM | 415 | -- | * | 7 | NM | 331 | -- | -- | NM | 77 |
| District of Columbia..... | 163 | 196 | -16.5 | -- | -- | 163 | 196 | -- | -- | -- | -- |
| Florida..... | 14,506 | 24,562 | -40.9 | 14,280 | 24,079 | NM | 321 | NM | -- | NM | 162 |
| Georgia..... | 269 | 307 | -12.2 | 139 | 174 | NM | 5 | NM | 7 | 114 | 120 |
| Maryland..... | 715 | 1,688 | -57.7 | NM | 41 | 682 | 1,629 | NM | * | NM | 18 |
| North Carolina..... | 521 | 682 | -23.5 | 406 | 467 | NM | 12 | NM | 1 | NM | 203 |
| South Carolina..... | 310 | 396 | -21.6 | 200 | 348 | NM | * | NM | 2 | 110 | 45 |
| Virginia..... | 1,666 | 3,352 | -50.3 | 1,377 | 2,762 | NM | 508 | -- | 3 | 44 | 79 |
| West Virginia..... | 222 | 322 | -31.0 | 220 | 276 | 2 | 13 | -- | -- | -- | 33 |
| East South Central..... | 989 | 1,447 | -31.7 | 792 | 1,253 | NM | 53 | -- | -- | NM | 141 |
| Alabama..... | 319 | 214 | 49.0 | 174 | 127 | 27 | 6 | -- | -- | NM | 81 |
| Kentucky..... | 208 | 213 | -2.5 | 165 | 166 | NM | 47 | -- | -- | -- | -- |
| Mississippi..... | 134 | 719 | -81.3 | 130 | 718 | -- | -- | -- | -- | NM | 2 |
| Tennessee..... | 328 | 301 | 9.0 | 323 | 243 | -- | -- | -- | -- | NM | 58 |
| West South Central | 857 | 1,345 | -36.3 | 599 | 988 | 165 | 189 | NM | 2 | NM | 166 |
| Arkansas..... | 68 | 143 | -52.2 | 63 | 127 | -- | -- | -- | -- | 6 | 16 |
| Louisiana..... | 524 | 589 | -10.9 | 469 | 502 | 21 | 26 | -- | -- | NM | 61 |
| Oklahoma..... | NM | 263 | -- | 22 | 245 | -- | -- | NM | * | NM | 17 |
| Texas..... | 220 | 350 | -37.2 | 45 | 113 | 144 | 163 | NM | 1 | NM | 72 |
| Mountain | 435 | 411 | 5.9 | 331 | 346 | NM | 60 | NM | 1 | NM | 4 |
| Arizona..... | 85 | 79 | 7.6 | 83 | 75 | -- | -- | NM | 1 | NM | 3 |
| Colorado..... | NM | 62 | -- | NM | 35 | 18 | 27 | * | -- | NM | * |
| Idaho..... | * | * | 68.1 | NM | * | -- | -- | -- | -- | -- | -- |
| Montana..... | NM | 33 | -- | NM | 3 | 32 | 30 | -- | -- | -- | -- |
| Nevada..... | 23 | 21 | 6.6 | 21 | 21 | 1 | * | -- | -- | -- | -- |
| New Mexico..... | 77 | 72 | 7.4 | 76 | 70 | NM | 2 | -- | -- | NM | * |
| Utah..... | NM | 69 | -- | 41 | 68 | NM | 1 | -- | -- | -- | -- |
| Wyoming..... | NM | 75 | -- | NM | 74 | NM | 1 | -- | -- | NM | 1 |
| Pacific Contiguous | 296 | 502 | -41.1 | NM | 135 | NM | 126 | NM | 1 | 70 | 239 |
| California..... | 220 | 444 | -50.3 | 118 | 118 | NM | 110 | NM | * | NM | 215 |
| Oregon..... | NM | 15 | -- | NM | 9 | -- | -- | -- | -- | NM | 6 |
| Washington..... | NM | 43 | -- | NM | 8 | 19 | 16 | NM | * | NM | 18 |
| Pacific Noncontiguous..... | 13,344 | 14,477 | -7.8 | 11,310 | 12,480 | 1,861 | 1,749 | NM | 14 | NM | 234 |
| Alaska..... | 1,151 | 1,652 | -30.4 | 1,087 | 1,419 | -- | 133 | NM | 11 | NM | 89 |
| Hawaii..... | 12,193 | 12,825 | -4.9 | 10,223 | 11,061 | 1,861 | 1,615 | 3 | 3 | NM | 145 |
| U.S. Total..... | 48,802 | 77,709 | -37.2 | 34,997 | 54,065 | 11,794 | 21,120 | 148 | 231 | 1,863 | 2,294 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.7.A. Consumption of Petroleum Coke for Electricity Generation by State by Sector, November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------|----------------|-----------------------|----------|-----------------------------|----------|-------------------|----------|-------------------|----------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | NM | 8 | -- | -- | -- | 8 | 4 | -- | -- | NM | 4 |
| New Jersey | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York | 8 | 4 | 92.1 | -- | -- | 8 | 4 | -- | -- | -- | -- |
| Pennsylvania | NM | 4 | -- | -- | -- | NM | -- | -- | -- | NM | 4 |
| East North Central | 59 | 53 | 10.4 | 19 | 21 | 36 | 27 | -- | -- | NM | 5 |
| Illinois | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 3 | 6 | -51.5 | -- | 1 | 3 | 3 | -- | -- | -- | 2 |
| Ohio | 34 | 24 | 38.7 | -- | -- | 33 | 24 | -- | -- | NM | * |
| Wisconsin | 22 | 23 | -2.1 | 19 | 19 | -- | -- | -- | -- | 3 | 3 |
| West North Central | 9 | 17 | -44.6 | 9 | 17 | -- | -- | * | * | -- | -- |
| Iowa | * | 5 | -94.2 | * | 5 | -- | -- | * | * | -- | -- |
| Kansas | 3 | 6 | -47.7 | 3 | 6 | -- | -- | -- | -- | -- | -- |
| Minnesota | 6 | 6 | -2.1 | 6 | 6 | -- | -- | -- | -- | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 119 | 71 | 67.6 | 113 | 64 | -- | -- | -- | -- | 5 | 7 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 113 | 64 | 77.6 | 113 | 64 | -- | -- | -- | -- | -- | -- |
| Georgia | 5 | 7 | -22.7 | -- | -- | -- | -- | -- | -- | 5 | 7 |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | 79 | 91 | -13.0 | -- | -- | 79 | 91 | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | 79 | 91 | -13.0 | -- | -- | 79 | 91 | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 65 | 108 | -40.3 | 57 | 61 | -- | 33 | -- | -- | NM | 15 |
| Arkansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 63 | 70 | -11.0 | 57 | 61 | -- | -- | -- | -- | NM | 10 |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas | NM | 38 | -- | -- | -- | -- | 33 | -- | -- | NM | 5 |
| Mountain | 15 | 14 | 10.3 | -- | -- | 15 | 14 | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 15 | 14 | 10.3 | -- | -- | 15 | 14 | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 50 | 68 | -26.8 | -- | -- | 44 | 54 | -- | -- | NM | 15 |
| California | 50 | 68 | -26.8 | -- | -- | 44 | 54 | -- | -- | NM | 15 |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 407 | 431 | -5.5 | 198 | 162 | 183 | 223 | * | * | 26 | 46 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • Values for 2007 are final. Values for 2008 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.7.B. Consumption of Petroleum Coke for Electricity Generation by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|--------------|----------------|-----------------------|--------------|-----------------------------|--------------|-------------------|----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | NM | 138 | -- | -- | -- | NM | 95 | -- | -- | NM | 44 |
| New Jersey | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York | NM | 95 | -- | -- | -- | NM | 95 | -- | -- | -- | -- |
| Pennsylvania | NM | 44 | -- | -- | -- | NM | -- | -- | -- | NM | 44 |
| East North Central | 660 | 632 | 4.6 | 235 | 259 | 378 | 304 | -- | -- | 47 | 68 |
| Illinois | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 32 | 68 | -52.7 | -- | 10 | 32 | 35 | -- | -- | -- | 24 |
| Ohio | 349 | 270 | 29.1 | -- | -- | 346 | 270 | -- | -- | NM | * |
| Wisconsin | 280 | 294 | -4.8 | 235 | 249 | -- | -- | -- | -- | 45 | 44 |
| West North Central | 134 | 181 | -25.8 | 133 | 179 | -- | -- | 1 | 1 | -- | -- |
| Iowa | 32 | 48 | -34.4 | 30 | 47 | -- | -- | 1 | 1 | -- | -- |
| Kansas | 47 | 69 | -31.5 | 47 | 69 | -- | -- | -- | -- | -- | -- |
| Minnesota | 55 | 64 | -13.0 | 55 | 64 | -- | -- | -- | -- | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1,220 | 1,575 | -22.5 | 1,147 | 1,491 | -- | -- | -- | -- | 73 | 83 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1,129 | 1,491 | -24.3 | 1,129 | 1,491 | -- | -- | -- | -- | -- | -- |
| Georgia | 73 | 83 | -12.6 | -- | -- | -- | -- | -- | -- | 73 | 83 |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | 18 | -- | -- | 18 | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | 1,007 | 951 | 5.9 | -- | -- | 1,007 | 951 | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | 1,007 | 951 | 5.9 | -- | -- | 1,007 | 951 | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 1,063 | 1,153 | -7.8 | 624 | 660 | 358 | 366 | -- | -- | NM | 127 |
| Arkansas | NM | -- | -- | -- | -- | -- | -- | -- | -- | NM | -- |
| Louisiana | 673 | 736 | -8.6 | 624 | 660 | -- | -- | -- | -- | NM | 76 |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas | 390 | 417 | -6.5 | -- | -- | 358 | 366 | -- | -- | NM | 52 |
| Mountain | 135 | 142 | -5.4 | -- | -- | 135 | 142 | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 135 | 142 | -5.4 | -- | -- | 135 | 142 | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 544 | 737 | -26.2 | -- | -- | 474 | 590 | -- | -- | NM | 147 |
| California | 544 | 737 | -26.2 | -- | -- | 474 | 590 | -- | -- | NM | 147 |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 4,869 | 5,509 | -11.6 | 2,139 | 2,590 | 2,421 | 2,448 | 1 | 1 | 308 | 469 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • Values for 2007 are final. Values for 2008 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

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Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State by Sector, November 2008 and 2007
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|--------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | | | | |
| New England | 30,996 | 30,258 | 2.4 | NM | 97 | 29,235 | 28,351 | 324 | 367 | 1,410 | 1,443 |
| Connecticut | 4,109 | 4,871 | -15.6 | 2 | 23 | 3,992 | 4,732 | NM | 18 | NM | 98 |
| Maine | 5,068 | 3,427 | 47.9 | -- | -- | 3,910 | 2,229 | NM | 1 | 1,156 | 1,196 |
| Massachusetts | 14,116 | 15,549 | -9.2 | NM | 72 | 13,760 | 15,058 | 268 | 314 | NM | 105 |
| New Hampshire | 4,321 | 2,872 | 50.4 | 1 | 1 | 4,233 | 2,827 | -- | -- | NM | 44 |
| Rhode Island | 3,376 | 3,537 | -4.6 | -- | -- | 3,340 | 3,504 | NM | 33 | -- | -- |
| Vermont | 6 | 2 | 280.2 | 6 | 2 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 49,035 | 43,897 | 11.7 | 10,141 | 9,289 | 37,614 | 33,619 | 483 | 352 | NM | 637 |
| New Jersey | 11,209 | 10,663 | 5.1 | NM | 16 | 10,775 | 10,302 | NM | 35 | NM | 310 |
| New York | 28,563 | 25,994 | 9.9 | 10,110 | 9,273 | 17,993 | 16,388 | 304 | 192 | 156 | 142 |
| Pennsylvania | 9,264 | 7,239 | 28.0 | NM | -- | 8,847 | 6,929 | NM | 125 | NM | 185 |
| East North Central | 10,633 | 12,970 | -18.0 | 1,718 | 2,906 | 7,695 | 9,325 | 315 | 287 | 905 | 452 |
| Illinois | 1,708 | 2,315 | -26.2 | NM | 506 | 1,200 | 1,416 | 288 | 248 | NM | 144 |
| Indiana | 2,185 | 1,400 | 56.0 | NM | 223 | 1,329 | 1,013 | NM | 6 | 586 | 158 |
| Michigan | 3,617 | 5,447 | -33.6 | 433 | 422 | 3,117 | 4,968 | NM | 6 | NM | 51 |
| Ohio | 1,066 | 1,290 | -17.4 | NM | 325 | 915 | 946 | -- | -- | NM | 19 |
| Wisconsin | 2,057 | 2,518 | -18.3 | 770 | 1,430 | 1,133 | 981 | NM | 27 | NM | 80 |
| West North Central | 10,869 | 8,154 | 33.3 | 9,923 | 6,812 | 882 | 1,266 | NM | 42 | NM | 34 |
| Iowa | 1,862 | 1,474 | 26.3 | 1,859 | 1,471 | NM | -- | NM | 4 | 1 | -- |
| Kansas | 2,466 | 665 | 271.0 | 2,461 | 664 | -- | -- | NM | -- | NM | 1 |
| Minnesota | 1,287 | 2,875 | -55.2 | 689 | 2,152 | 551 | 665 | NM | 35 | NM | 23 |
| Missouri | 4,513 | 2,639 | 71.0 | 4,177 | 2,035 | 331 | 602 | 2 | * | NM | 3 |
| Nebraska | 670 | 101 | 561.6 | 670 | 98 | NM | * | NM | 3 | -- | -- |
| North Dakota | NM | 7 | -- | NM | * | -- | -- | -- | -- | NM | 7 |
| South Dakota | NM | 392 | -- | NM | 392 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 73,793 | 66,598 | 10.8 | 60,833 | 55,517 | 12,437 | 10,427 | NM | 15 | 504 | 639 |
| Delaware | 733 | 538 | 36.1 | NM | 15 | 693 | 458 | -- | -- | 28 | 65 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 53,065 | 55,990 | -5.2 | 47,838 | 49,393 | 4,960 | 6,211 | NM | 10 | 247 | 376 |
| Georgia | 7,999 | 4,232 | 89.0 | 4,887 | 3,042 | 3,001 | 1,108 | -- | -- | 110 | 83 |
| Maryland | 1,663 | 628 | 164.7 | -- | -- | 1,626 | 571 | NM | * | NM | 58 |
| North Carolina | 2,828 | 412 | 585.7 | 2,283 | 376 | 538 | 21 | -- | 5 | NM | 10 |
| South Carolina | 3,723 | 436 | 753.0 | 2,923 | 296 | 789 | 138 | NM | * | 10 | 2 |
| Virginia | 3,640 | 4,136 | -12.0 | 2,790 | 2,311 | 787 | 1,783 | -- | -- | 63 | 42 |
| West Virginia | 142 | 226 | -37.0 | 99 | 83 | NM | 138 | -- | -- | NM | 4 |
| East South Central | 28,838 | 17,049 | 69.1 | 12,615 | 8,628 | 15,238 | 7,792 | NM | 58 | 937 | 571 |
| Alabama | 16,598 | 9,820 | 69.0 | 6,244 | 4,560 | 9,718 | 4,882 | -- | -- | 636 | 378 |
| Kentucky | 386 | 630 | -38.7 | 216 | 560 | 2 | 19 | -- | -- | NM | 51 |
| Mississippi | 11,572 | 6,468 | 78.9 | 5,931 | 3,464 | 5,518 | 2,891 | NM | 3 | NM | 110 |
| Tennessee | 282 | 131 | 115.0 | 223 | 44 | -- | -- | NM | 55 | NM | 33 |
| West South Central | 145,225 | 144,274 | .7 | 43,252 | 44,254 | 67,719 | 66,824 | 472 | 254 | 33,782 | 32,942 |
| Arkansas | 3,323 | 2,810 | 18.3 | NM | 294 | 3,122 | 2,424 | NM | * | 81 | 92 |
| Louisiana | 27,297 | 24,921 | 9.5 | 10,649 | 8,380 | 2,631 | 1,739 | NM | 19 | 14,001 | 14,783 |
| Oklahoma | 18,043 | 16,435 | 9.8 | 11,366 | 13,001 | 6,595 | 3,362 | NM | 12 | NM | 59 |
| Texas | 96,562 | 100,108 | -3.5 | 21,117 | 22,580 | 55,370 | 59,298 | 446 | 222 | 19,628 | 18,008 |
| Mountain | 48,606 | 52,367 | -7.2 | 25,474 | 27,799 | 22,518 | 23,929 | NM | 106 | 524 | 534 |
| Arizona | 16,482 | 20,605 | -20.0 | 6,647 | 8,132 | 9,791 | 12,428 | NM | 44 | NM | -- |
| Colorado | 8,496 | 10,199 | -16.7 | 3,254 | 2,744 | 5,205 | 7,419 | 5 | 12 | NM | 24 |
| Idaho | 752 | 1,480 | -49.2 | NM | 315 | 705 | 1,144 | -- | -- | NM | 21 |
| Montana | NM | 77 | -- | NM | 19 | NM | 55 | -- | -- | NM | 4 |
| Nevada | 13,285 | 10,098 | 31.6 | 7,788 | 7,324 | 5,274 | 2,563 | -- | -- | NM | 211 |
| New Mexico | 4,762 | 4,319 | 10.3 | 3,450 | 4,083 | 1,268 | 182 | NM | 41 | NM | 13 |
| Utah | 4,544 | 5,290 | -14.1 | 4,252 | 5,059 | NM | 125 | NM | 8 | NM | 98 |
| Wyoming | 238 | 299 | -20.4 | NM | 122 | NM | 15 | -- | -- | 176 | 162 |
| Pacific Contiguous | 83,071 | 89,424 | -7.1 | 20,450 | 22,190 | 55,617 | 58,903 | 1,139 | 1,239 | 5,865 | 7,092 |
| California | 67,647 | 72,471 | -6.7 | 14,572 | 16,411 | 46,603 | 48,107 | 1,132 | 1,231 | 5,340 | 6,722 |
| Oregon | 10,914 | 11,097 | -1.6 | 4,336 | 4,171 | 6,068 | 6,565 | NM | 3 | 508 | 358 |
| Washington | 4,509 | 5,856 | -23.0 | 1,541 | 1,608 | 2,946 | 4,231 | NM | 5 | 17 | 12 |
| Pacific Noncontiguous | 3,793 | 3,877 | -2.2 | 3,738 | 3,778 | -- | -- | -- | 2 | NM | 97 |
| Alaska | 3,793 | 3,877 | -2.2 | 3,738 | 3,778 | -- | -- | -- | 2 | NM | 97 |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 484,860 | 468,868 | 3.4 | 188,171 | 181,269 | 248,956 | 240,436 | 2,921 | 2,722 | 44,813 | 44,442 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 2.8.B. Consumption of Natural Gas for Electricity Generation by State by Sector, Year-to-Date through November 2008 and 2007
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|------------------|----------------|-----------------------|------------------|-----------------------------|------------------|-------------------|---------------|-------------------|----------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 345,300 | 367,232 | -6.0 | NM | 2,747 | 323,820 | 345,658 | 4,129 | 4,002 | 15,572 | 14,825 |
| Connecticut | 55,868 | 67,926 | -17.8 | 25 | 51 | 54,401 | 66,545 | NM | 247 | NM | 1,083 |
| Maine | 45,596 | 42,879 | 6.3 | -- | -- | 33,221 | 30,603 | NM | 19 | 12,361 | 12,257 |
| Massachusetts | 145,526 | 172,832 | -15.8 | NM | 2,462 | 139,493 | 166,084 | 3,437 | 3,361 | NM | 924 |
| New Hampshire | 46,058 | 36,895 | 24.8 | 67 | 211 | 44,945 | 36,122 | -- | -- | NM | 561 |
| Rhode Island | 52,219 | 46,677 | 11.9 | -- | -- | 51,760 | 46,303 | NM | 374 | -- | -- |
| Vermont | 33 | 23 | 45.9 | 33 | 23 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 645,235 | 637,196 | 1.3 | 139,045 | 131,224 | 490,570 | 493,934 | 5,466 | 3,833 | 10,153 | 8,204 |
| New Jersey | 151,671 | 134,493 | 12.8 | NM | 203 | 146,313 | 130,380 | NM | 440 | NM | 3,471 |
| New York | 364,831 | 369,600 | -1.3 | 138,640 | 131,021 | 220,763 | 234,985 | 3,257 | 1,905 | 2,171 | 1,689 |
| Pennsylvania | 128,733 | 133,103 | -3.3 | NM | -- | 123,495 | 128,569 | NM | 1,489 | NM | 3,045 |
| East North Central | 197,732 | 274,831 | -28.1 | 47,146 | 69,142 | 138,347 | 193,934 | 3,873 | 4,143 | 8,366 | 7,612 |
| Illinois | 36,040 | 63,489 | -43.2 | NM | 7,743 | 27,271 | 48,965 | 3,431 | 3,614 | NM | 3,166 |
| Indiana | 32,050 | 33,096 | -3.2 | NM | 9,071 | 20,095 | 21,876 | NM | 76 | 4,548 | 2,074 |
| Michigan | 70,199 | 94,651 | -25.8 | 9,911 | 12,936 | 59,420 | 80,573 | NM | 124 | NM | 1,018 |
| Ohio | 19,528 | 32,894 | -40.6 | NM | 10,789 | NM | 21,907 | -- | -- | NM | 199 |
| Wisconsin | 39,916 | 50,701 | -21.3 | 20,894 | 28,603 | 17,354 | 20,614 | NM | 329 | NM | 1,155 |
| West North Central | 109,849 | 131,035 | -16.2 | 92,611 | 113,090 | 16,300 | 16,804 | NM | 602 | NM | 539 |
| Iowa | 17,962 | 23,282 | -22.8 | 17,924 | 23,257 | NM | 1 | NM | 24 | 8 | -- |
| Kansas | 26,040 | 24,123 | 7.9 | 25,875 | 24,036 | -- | -- | NM | -- | NM | 86 |
| Minnesota | 18,383 | 30,785 | -40.3 | NM | 19,463 | 7,090 | 10,560 | NM | 413 | NM | 349 |
| Missouri | 38,910 | 38,123 | 2.1 | 29,615 | 31,738 | 9,202 | 6,235 | 50 | 114 | NM | 35 |
| Nebraska | 6,606 | 10,682 | -38.2 | 6,600 | 10,624 | NM | 8 | NM | 50 | -- | -- |
| North Dakota | NM | 70 | -- | NM | 2 | -- | -- | -- | -- | NM | 68 |
| South Dakota | NM | 3,971 | -- | NM | 3,971 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1,017,357 | 1,049,680 | -3.1 | 823,714 | 811,726 | 186,145 | 227,535 | NM | 240 | 7,202 | 10,180 |
| Delaware | 10,888 | 15,780 | -31.0 | NM | 394 | 10,479 | 12,105 | -- | -- | 254 | 3,281 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 746,586 | 720,642 | 3.6 | 667,581 | 631,370 | 74,950 | 84,885 | NM | 192 | 3,776 | 4,195 |
| Georgia | 92,603 | 116,038 | -20.2 | 51,843 | 60,966 | 39,242 | 54,099 | -- | -- | 1,518 | 973 |
| Maryland | 14,759 | 20,685 | -28.7 | -- | -- | 14,315 | 20,107 | NM | * | NM | 578 |
| North Carolina | 34,403 | 39,339 | -12.5 | 27,577 | 31,955 | 6,513 | 7,172 | 3 | 34 | NM | 177 |
| South Carolina | 43,553 | 48,863 | -10.9 | 33,477 | 36,967 | NM | 11,858 | NM | 14 | 121 | 23 |
| Virginia | 72,835 | 84,560 | -13.9 | 42,517 | 48,572 | 29,556 | 35,230 | -- | -- | 762 | 757 |
| West Virginia | NM | 3,773 | -- | 563 | 1,500 | NM | 2,078 | -- | -- | NM | 195 |
| East South Central | 345,211 | 371,750 | -7.1 | 174,710 | 188,880 | 159,318 | 174,325 | NM | 652 | 10,568 | 7,893 |
| Alabama | 161,300 | 168,482 | -4.3 | 63,322 | 63,334 | 90,349 | 100,711 | -- | -- | 7,630 | 4,437 |
| Kentucky | NM | 20,066 | -- | 7,937 | 17,614 | 1,203 | 1,004 | -- | -- | NM | 1,448 |
| Mississippi | 168,492 | 175,321 | -3.9 | 99,279 | 101,541 | 67,737 | 71,958 | NM | 54 | NM | 1,768 |
| Tennessee | NM | 7,881 | -- | 4,172 | 6,391 | 29 | 652 | NM | 598 | NM | 240 |
| West South Central | 2,147,006 | 2,131,733 | .7 | 622,633 | 630,455 | 1,128,728 | 1,122,978 | 5,470 | 3,105 | 390,175 | 375,195 |
| Arkansas | 60,596 | 58,042 | 4.4 | NM | 9,516 | 48,575 | 47,581 | NM | 5 | 1,037 | 940 |
| Louisiana | 347,642 | 353,955 | -1.8 | 148,251 | 141,201 | 48,755 | 51,367 | NM | 225 | 150,451 | 161,163 |
| Oklahoma | 259,675 | 266,753 | -2.7 | 167,041 | 172,128 | 91,666 | 93,944 | NM | 145 | NM | 536 |
| Texas | 1,479,093 | 1,452,983 | 1.8 | 296,367 | 307,610 | 939,731 | 930,086 | 5,106 | 2,730 | 237,888 | 212,556 |
| Mountain | 641,257 | 650,254 | -1.4 | 334,108 | 340,467 | 298,964 | 301,021 | NM | 1,330 | 6,868 | 7,435 |
| Arizona | 260,426 | 256,771 | 1.4 | 102,050 | 104,363 | 157,825 | 151,809 | NM | 528 | NM | 71 |
| Colorado | 99,750 | 112,473 | -11.3 | 35,606 | 38,921 | 63,464 | 73,068 | 324 | 199 | NM | 286 |
| Idaho | 10,768 | 10,740 | .3 | NM | 2,288 | 9,179 | 8,090 | -- | -- | 489 | 362 |
| Montana | NM | 964 | -- | NM | 231 | NM | 690 | -- | -- | NM | 43 |
| Nevada | 159,823 | 159,405 | .3 | 96,153 | 96,221 | 61,051 | 59,829 | -- | -- | NM | 3,354 |
| New Mexico | 55,688 | 53,271 | 4.5 | 51,237 | 50,294 | NM | 2,294 | NM | 517 | NM | 165 |
| Utah | 51,183 | 52,678 | -2.8 | 47,269 | 46,534 | NM | 5,032 | NM | 87 | NM | 1,026 |
| Wyoming | 2,940 | 3,952 | -25.6 | NM | 1,615 | NM | 208 | -- | -- | 2,080 | 2,129 |
| Pacific Contiguous | 964,824 | 919,795 | 4.9 | 243,352 | 215,275 | 640,248 | 616,811 | 12,364 | 13,426 | 68,861 | 74,283 |
| California | 792,796 | 781,176 | 1.5 | 190,951 | 170,353 | 526,366 | 527,303 | 12,272 | 13,362 | 63,207 | 70,157 |
| Oregon | 109,534 | 92,015 | 19.0 | 38,480 | 32,555 | 65,677 | 55,457 | NM | 26 | 5,355 | 3,977 |
| Washington | 62,494 | 46,605 | 34.1 | 13,921 | 12,367 | 48,205 | 34,051 | NM | 38 | 298 | 149 |
| Pacific Noncontiguous | 39,919 | 38,458 | 3.8 | 38,941 | 37,519 | -- | -- | -- | 3 | NM | 937 |
| Alaska | 39,919 | 38,458 | 3.8 | 38,941 | 37,519 | -- | -- | -- | 3 | NM | 937 |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 6,453,690 | 6,571,964 | -1.8 | 2,518,039 | 2,540,525 | 3,382,440 | 3,493,000 | 33,953 | 31,336 | 519,257 | 507,103 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 3. Fossil-Fuel Stocks for Electricity Generation

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 1994 through November 2008

| Period | Electric Power Sector | | | Electric Utilities | | | Independent Power Producers | | |
|----------------|---|--|---|---|--|---|---|--|---|
| | Coal (Thousand Tons) ¹ | Petroleum Liquids (Thousand Barrels) ² | Petroleum Coke (Thousand Tons) | Coal (Thousand Tons) ¹ | Petroleum Liquids (Thousand Barrels) ² | Petroleum Coke (Thousand Tons) | Coal (Thousand Tons) ¹ | Petroleum Liquids (Thousand Barrels) ² | Petroleum Coke (Thousand Tons) |
| 1994..... | 126,897 | 62,988 | 69 | 126,897 | 62,988 | 69 | -- | -- | -- |
| 1995..... | 126,304 | 50,495 | 65 | 126,304 | 50,495 | 65 | -- | -- | -- |
| 1996..... | 114,623 | 47,690 | 91 | 114,623 | 47,690 | 91 | -- | -- | -- |
| 1997..... | 98,826 | 48,792 | 469 | 98,826 | 48,792 | 469 | -- | -- | -- |
| 1998..... | 120,501 | 53,794 | 559 | 120,501 | 53,794 | 559 | -- | -- | -- |
| 1999..... | 141,604 | 52,251 | 372 | 129,041 | 44,392 | 355 | 12,563 | 7,859 | 16 |
| 2000..... | 102,296 | 39,875 | 211 | 90,115 | 29,570 | 186 | 12,180 | 10,306 | 25 |
| 2001..... | 138,496 | 55,080 | 390 | 117,147 | 35,807 | 300 | 21,349 | 19,273 | 90 |
| 2002..... | 141,714 | 43,935 | 1,711 | 116,952 | 29,601 | 328 | 24,761 | 14,334 | 1,383 |
| 2003..... | 121,567 | 45,752 | 1,484 | 97,831 | 28,062 | 378 | 23,736 | 17,691 | 1,105 |
| 2004..... | 106,669 | 46,750 | 937 | 84,917 | 29,144 | 627 | 21,751 | 17,607 | 309 |
| 2005..... | 101,137 | 47,414 | 530 | 77,457 | 29,532 | 374 | 23,680 | 17,882 | 156 |
| 2006 | | | | | | | | | |
| January..... | 105,401 | 51,218 | 587 | 81,029 | 32,107 | 393 | 24,371 | 19,112 | 194 |
| February..... | 105,986 | 50,803 | 633 | 81,301 | 32,022 | 440 | 24,685 | 18,782 | 193 |
| March..... | 112,141 | 51,314 | 700 | 86,566 | 32,508 | 523 | 25,575 | 18,807 | 176 |
| April..... | 125,097 | 49,898 | 650 | 96,349 | 31,193 | 474 | 28,747 | 18,705 | 176 |
| May..... | 133,841 | 51,712 | 684 | 102,601 | 33,074 | 477 | 31,240 | 18,638 | 207 |
| June..... | 135,734 | 50,784 | 665 | 103,696 | 32,584 | 496 | 32,038 | 18,199 | 169 |
| July..... | 127,894 | 49,323 | 615 | 98,352 | 31,707 | 429 | 29,541 | 17,616 | 186 |
| August..... | 123,884 | 47,155 | 580 | 95,228 | 30,078 | 417 | 28,656 | 17,077 | 164 |
| September..... | 126,872 | 48,823 | 647 | 97,410 | 31,188 | 458 | 29,461 | 17,635 | 189 |
| October..... | 134,941 | 47,549 | 736 | 104,588 | 29,916 | 492 | 30,353 | 17,633 | 244 |
| November..... | 140,442 | 47,615 | 771 | 109,455 | 29,695 | 538 | 30,986 | 17,920 | 233 |
| December..... | 140,964 | 48,216 | 674 | 110,277 | 29,799 | 456 | 30,688 | 18,416 | 217 |
| 2007 | | | | | | | | | |
| January..... | 136,377 | 45,849 | 699 | 106,678 | 28,662 | 493 | 29,698 | 17,187 | 207 |
| February..... | 133,468 | 41,930 | 723 | 104,981 | 26,688 | 493 | 28,487 | 15,243 | 230 |
| March..... | 141,389 | 41,301 | 636 | 111,606 | 26,837 | 410 | 29,783 | 14,463 | 226 |
| April..... | 149,657 | 42,045 | 669 | 118,653 | 26,969 | 440 | 31,005 | 15,076 | 229 |
| May..... | 154,735 | 44,183 | 660 | 122,279 | 28,315 | 411 | 32,457 | 15,868 | 249 |
| June..... | 154,812 | 44,732 | 543 | 122,994 | 29,139 | 310 | 31,818 | 15,593 | 232 |
| July..... | 145,450 | 44,347 | 631 | 116,645 | 28,047 | 355 | 28,806 | 16,300 | 276 |
| August..... | 140,668 | 43,276 | 562 | 113,295 | 27,244 | 292 | 27,372 | 16,032 | 270 |
| September..... | 142,666 | 44,345 | 543 | 114,052 | 28,181 | 281 | 28,614 | 16,164 | 262 |
| October..... | 150,075 | 43,250 | 545 | 119,015 | 26,802 | 251 | 31,060 | 16,448 | 294 |
| November..... | 154,292 | 44,718 | 612 | 122,160 | 28,157 | 309 | 32,132 | 16,561 | 303 |
| December..... | 151,221 | 44,433 | 554 | 120,504 | 28,032 | 253 | 30,717 | 16,401 | 301 |
| 2008 | | | | | | | | | |
| January..... | 148,707 | 44,023 | 590 | 117,613 | 27,847 | 269 | 31,094 | 16,176 | 322 |
| February..... | 144,011 | 44,977 | 551 | 115,861 | 28,325 | 268 | 28,150 | 16,653 | 282 |
| March..... | 146,952 | 41,156 | 676 | 118,529 | 26,173 | 328 | 28,423 | 14,984 | 348 |
| April..... | 152,349 | 42,041 | 744 | 122,912 | 26,620 | 364 | 29,438 | 15,421 | 380 |
| May..... | 158,422 | 41,010 | 787 | 124,714 | 25,808 | 404 | 33,708 | 15,203 | 383 |
| June..... | 154,041 | 40,978 | 755 | 121,248 | 26,837 | 354 | 32,793 | 14,141 | 401 |
| July..... | 142,863 | 40,467 | 818 | 112,997 | 26,819 | 376 | 29,866 | 13,648 | 442 |
| August..... | 141,957 | 40,213 | 786 | 112,129 | 26,708 | 381 | 29,828 | 13,506 | 405 |
| September..... | 144,948 | 39,710 | 760 | 114,094 | 26,575 | 398 | 30,854 | 13,135 | 362 |
| October..... | 157,552 | 40,082 | 760 | 124,552 | 26,187 | 434 | 33,000 | 13,894 | 326 |
| November..... | 166,298 | 40,135 | 867 | 131,854 | 26,033 | 489 | 34,444 | 14,102 | 377 |

¹ Anthracite, bituminous, subbituminous, coal synfuel, and lignite; excludes waste coal.

² Distillate fuel oil, residual fuel oil, jet fuel, and kerosene. Data prior to 2004 includes small quantities of waste oil.

Notes: • See Glossary for definitions. • Prior to 2006, values represent December end-of-month stocks. For 2006 forward, values represent end-of-month stocks. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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, November 2008

| Census Division and State | Coal (Thousand Tons) | | | Petroleum Liquids (Thousand Barrels) | | | Petroleum Coke (Thousand Tons) | | |
|---|-------------------------|----------------|----------------|---|---------------|----------------|-----------------------------------|------------|----------------|
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Percent Change |
| New England | 934 | W | W | 4,206 | 4,649 | -9.5 | -- | -- | -- |
| Connecticut, Maine, New Hampshire, Rhode Island, Vermont ¹ | 423 | W | W | 2,408 | 3,414 | -29.5 | -- | -- | -- |
| Massachusetts..... | 510 | 570 | W | 1,798 | 1,234 | 45.7 | -- | -- | W |
| Middle Atlantic | 6,872 | 5,965 | 15.2 | 8,699 | 9,995 | -13.0 | 41 | W | W |
| New Jersey..... | 719 | 687 | 4.7 | 1,385 | 1,178 | 17.6 | -- | -- | -- |
| New York..... | 953 | 1,035 | -8.0 | 5,286 | 6,316 | -16.3 | W | W | W |
| Pennsylvania..... | 5,200 | 4,243 | 22.5 | 2,028 | 2,501 | -18.9 | W | W | W |
| East North Central | 40,679 | 40,759 | -2 | 1,989 | 2,387 | -16.7 | 92 | 65 | 42.5 |
| Illinois..... | 9,779 | 9,717 | .6 | 218 | 282 | -22.6 | W | -- | -- |
| Indiana..... | 9,760 | 9,202 | 6.1 | 110 | 117 | -5.7 | -- | -- | -- |
| Michigan..... | 8,477 | 8,958 | -5.4 | 973 | 1,123 | -13.4 | W | W | W |
| Ohio..... | 7,476 | 8,280 | -9.7 | 342 | 504 | -32.1 | -- | -- | -- |
| Wisconsin..... | 5,188 | 4,602 | 12.7 | 346 | 362 | -4.5 | W | W | W |
| West North Central | 29,488 | 26,193 | 12.6 | 1,511 | 1,928 | -21.7 | W | W | W |
| Iowa..... | 6,258 | 4,933 | 26.9 | 160 | 224 | -28.4 | W | W | W |
| Kansas..... | 4,381 | 4,548 | -3.7 | 438 | 725 | -39.6 | W | W | W |
| Minnesota..... | 3,587 | 3,266 | 9.8 | 271 | 275 | -1.4 | W | W | W |
| Missouri..... | 9,408 | 8,732 | 7.7 | 319 | 371 | -14.0 | -- | -- | -- |
| Nebraska..... | 3,996 | 3,106 | 28.6 | 207 | 213 | -3.0 | -- | -- | -- |
| North Dakota, South Dakota ¹ | 1,859 | 1,607 | 15.7 | 116 | 120 | -3.7 | -- | -- | -- |
| South Atlantic | 26,642 | 28,640 | -7.0 | 16,015 | 16,489 | -2.9 | 347 | 229 | 51.1 |
| Delaware, District of Columbia, Maryland ¹ | 1,782 | 1,966 | -9.3 | 2,140 | 2,373 | -9.8 | -- | -- | -- |
| Florida..... | 4,415 | 4,458 | -1.0 | 7,662 | 8,662 | -11.5 | W | W | W |
| Georgia..... | 6,934 | 6,979 | -6 | 931 | 832 | 12.0 | -- | -- | -- |
| North Carolina..... | 4,565 | 4,987 | -8.5 | 1,028 | 1,006 | 2.2 | -- | -- | -- |
| South Carolina..... | 2,516 | 4,274 | -41.1 | 830 | 879 | -5.6 | W | W | W |
| Virginia..... | 2,048 | 1,433 | 42.9 | 3,244 | 2,547 | 27.4 | -- | -- | -- |
| West Virginia..... | 4,383 | 4,544 | -3.5 | 181 | 191 | -4.9 | -- | -- | -- |
| East South Central | 16,257 | 12,401 | 31.1 | 2,248 | 2,363 | -4.9 | W | W | W |
| Alabama..... | 4,638 | 3,971 | 16.8 | 311 | 277 | 12.2 | -- | -- | -- |
| Kentucky..... | 7,009 | 5,123 | 36.8 | 278 | 280 | -6 | W | W | W |
| Mississippi..... | 1,169 | 890 | 31.4 | 878 | 987 | -11.0 | -- | -- | -- |
| Tennessee..... | 3,441 | 2,417 | 42.4 | 780 | 819 | -4.7 | -- | -- | -- |
| West South Central | 25,999 | 22,989 | 13.1 | 2,375 | 3,534 | -32.8 | 76 | W | W |
| Arkansas..... | 2,699 | 2,678 | .8 | 206 | 308 | -33.2 | -- | -- | -- |
| Louisiana..... | 2,379 | 2,835 | -16.1 | 852 | 1,499 | -43.2 | W | W | W |
| Oklahoma..... | 4,925 | 4,159 | 18.4 | 239 | 232 | 2.9 | -- | -- | -- |
| Texas..... | 15,995 | 13,317 | 20.1 | 1,079 | 1,495 | -27.9 | W | -- | -- |
| Mountain | 17,146 | 14,803 | 15.8 | 786 | 833 | -5.6 | W | W | W |
| Arizona..... | 3,100 | 2,795 | 10.9 | 342 | 339 | .8 | -- | -- | -- |
| Colorado..... | 3,486 | 3,582 | -2.7 | 98 | 139 | -29.6 | -- | -- | -- |
| Idaho..... | -- | -- | -- | W | W | W | -- | -- | -- |
| Montana, New Mexico ¹ | 1,730 | W | W | 75 | 81 | -7.2 | W | W | W |
| Nevada..... | 1,118 | W | W | 178 | 197 | -9.7 | -- | -- | -- |
| Utah..... | 4,210 | 3,516 | 19.7 | 62 | 52 | 19.5 | -- | -- | -- |
| Wyoming..... | 3,502 | 2,655 | 31.9 | W | W | W | -- | -- | -- |
| Pacific ² | 2,281 | W | W | 2,306 | 2,540 | -9.2 | 101 | 33 | 203.0 |
| California, Oregon, Washington, Hawaii, Alaska ¹ | 2,281 | W | W | 2,306 | 2,540 | -9.2 | 101 | 33 | W |
| U.S. Total | 166,298 | 154,292 | 7.8 | 40,135 | 44,718 | -10.2 | 867 | 612 | 41.7 |

¹ States' data are aggregated in order to protect confidentiality.

² Pacific Contiguous and Pacific Non-Contiguous were aggregated to Pacific to protect Census Division proprietary information.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and 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 3.3. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Division, November 2008

| Census Division | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|-----------------------|----------------|----------------|--------------------|----------------|-----------------------------|---------------|
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| Coal (thousand tons) | | | | | | | |
| New England..... | 934 | W | W | W | W | W | W |
| Middle Atlantic..... | 6,872 | 5,965 | 15.2 | W | W | W | W |
| East North Central..... | 40,679 | 40,759 | -2 | 28,252 | 29,701 | 12,427 | 11,058 |
| West North Central..... | 29,488 | 26,193 | 12.6 | W | W | W | W |
| South Atlantic..... | 26,642 | 28,640 | -7.0 | 23,682 | 25,261 | 2,961 | 3,380 |
| East South Central..... | 16,257 | 12,401 | 31.1 | 15,501 | 11,298 | 756 | 1,102 |
| West South Central..... | 25,999 | 22,989 | 13.1 | 17,356 | 14,345 | 8,643 | 8,644 |
| Mountain..... | 17,146 | 14,803 | 15.8 | 16,015 | W | 1,130 | W |
| Pacific Contiguous..... | 1,926 | 1,256 | 53.3 | W | W | W | W |
| Pacific Noncontiguous..... | 355 | W | W | W | -- | W | W |
| U.S. Total..... | 166,298 | 154,292 | 7.8 | 131,854 | 122,160 | 34,444 | 32,132 |
| Petroleum Liquids (thousand barrels) | | | | | | | |
| New England..... | 4,206 | 4,649 | -9.5 | 639 | 810 | 3,566 | 3,839 |
| Middle Atlantic..... | 8,699 | 9,995 | -13.0 | 2,890 | 2,904 | 5,809 | 7,091 |
| East North Central..... | 1,989 | 2,387 | -16.7 | 1,619 | 1,923 | 370 | 464 |
| West North Central..... | 1,511 | 1,928 | -21.7 | 1,472 | 1,898 | 38 | 30 |
| South Atlantic..... | 16,015 | 16,489 | -2.9 | 12,353 | 12,476 | 3,663 | 4,013 |
| East South Central..... | 2,248 | 2,363 | -4.9 | 2,201 | 2,269 | 47 | 94 |
| West South Central..... | 2,375 | 3,534 | -32.8 | 2,305 | 3,232 | 70 | 303 |
| Mountain..... | 786 | 833 | -5.6 | 704 | 753 | 82 | 80 |
| Pacific Contiguous..... | 759 | 1,014 | -25.2 | W | 455 | W | 559 |
| Pacific Noncontiguous..... | 1,547 | 1,526 | 1.4 | W | 1,438 | W | 87 |
| U.S. Total..... | 40,135 | 44,718 | -10.2 | 26,033 | 28,157 | 14,102 | 16,561 |
| Petroleum Coke (thousand tons) | | | | | | | |
| New England..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 41 | W | W | -- | -- | 41 | W |
| East North Central..... | 92 | 65 | 42.5 | W | W | W | W |
| West North Central..... | W | W | W | W | W | -- | -- |
| South Atlantic..... | 347 | 229 | 51.1 | 347 | 229 | -- | -- |
| East South Central..... | W | W | W | -- | -- | W | W |
| West South Central..... | 76 | W | W | W | W | W | -- |
| Mountain..... | W | W | W | -- | -- | W | W |
| Pacific Contiguous..... | 101 | 33 | 203.0 | -- | -- | 101 | 33 |
| Pacific Noncontiguous..... | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 867 | 612 | 41.7 | 489 | 309 | 377 | 303 |

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923, Form EIA-906 and Form EIA-920. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and 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 3.4. Stocks of Coal by Coal Rank, 1994 through November 2008

| Period | Electric Power Sector (Thousand Tons) | | | Total |
|----------------|--|---------------------|--------------|---------|
| | Bituminous Coal ¹ | Sub-Bituminous Coal | Lignite Coal | |
| 1994..... | NA | NA | NA | 126,897 |
| 1995..... | NA | NA | NA | 126,304 |
| 1996..... | NA | NA | NA | 114,623 |
| 1997..... | NA | NA | NA | 98,826 |
| 1998..... | NA | NA | NA | 120,501 |
| 1999..... | NA | NA | NA | 141,604 |
| 2000..... | NA | NA | NA | 102,296 |
| 2001..... | NA | NA | NA | 138,496 |
| 2002..... | 70,704 | 66,593 | 4,417 | 141,714 |
| 2003..... | 57,716 | 59,884 | 3,967 | 121,567 |
| 2004..... | 49,022 | 53,618 | 4,029 | 106,669 |
| 2005..... | 52,923 | 44,377 | 3,836 | 101,137 |
| 2006 | | | | |
| January..... | 55,048 | 46,515 | 3,838 | 105,401 |
| February..... | 55,627 | 46,318 | 4,040 | 105,986 |
| March..... | 59,047 | 49,018 | 4,076 | 112,141 |
| April..... | 64,744 | 56,040 | 4,312 | 125,097 |
| May..... | 68,269 | 61,226 | 4,346 | 133,841 |
| June..... | 67,960 | 63,038 | 4,735 | 135,734 |
| July..... | 61,102 | 61,935 | 4,856 | 127,894 |
| August..... | 58,590 | 60,369 | 4,925 | 123,884 |
| September..... | 60,982 | 61,025 | 4,864 | 126,872 |
| October..... | 66,030 | 63,972 | 4,939 | 134,941 |
| November..... | 67,797 | 67,662 | 4,983 | 140,442 |
| December..... | 67,760 | 68,408 | 4,797 | 140,964 |
| 2007 | | | | |
| January..... | 66,904 | 64,928 | 4,545 | 136,377 |
| February..... | 64,740 | 64,066 | 4,662 | 133,468 |
| March..... | 68,939 | 67,551 | 4,898 | 141,389 |
| April..... | 74,285 | 70,601 | 4,771 | 149,657 |
| May..... | 75,907 | 73,772 | 5,056 | 154,735 |
| June..... | 74,944 | 74,810 | 5,058 | 154,812 |
| July..... | 69,565 | 71,139 | 4,747 | 145,450 |
| August..... | 66,590 | 69,434 | 4,644 | 140,668 |
| September..... | 66,927 | 70,992 | 4,746 | 142,666 |
| October..... | 69,016 | 76,451 | 4,609 | 150,075 |
| November..... | 68,020 | 81,878 | 4,394 | 154,292 |
| December..... | 63,964 | 82,692 | 4,565 | 151,221 |
| 2008 | | | | |
| January..... | 63,368 | 80,766 | 4,573 | 148,707 |
| February..... | 60,144 | 80,848 | 3,019 | 144,011 |
| March..... | 60,350 | 83,677 | 2,925 | 146,952 |
| April..... | 63,570 | 86,050 | 2,729 | 152,349 |
| May..... | 66,176 | 87,809 | 4,437 | 158,422 |
| June..... | 63,713 | 85,768 | 4,560 | 154,041 |
| July..... | 56,844 | 81,557 | 4,462 | 142,863 |
| August..... | 54,507 | 83,078 | 4,372 | 141,957 |
| September..... | 54,924 | 85,810 | 4,214 | 144,948 |
| October..... | 62,943 | 90,018 | 4,591 | 157,552 |
| November..... | 66,311 | 95,456 | 4,530 | 166,298 |

¹ Includes bituminous, anthracite, and coal synfuel.

NA = Not available.

Notes: • See Glossary for definitions. • Data excludes all waste coal. • Values for 2007 and prior years are final. Values for 2008 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: Energy Information Administration, Form EIA-906, "Power Plant Report;" 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), 1994 through November 2008

| Period | Coal ¹ | | | | | | Petroleum Liquids ² | | | | | |
|---|-------------------|------------------|-------------------------------|---------------|---------------|--|--------------------------------|----------------|-------------------------------|------------------|---------------|---------------------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Percentage of Consumption ³ | Receipts | | Average Cost | | Avg. Sulfur % | Percentage of Consumption |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | | (billion Btu) | (1000 barrels) | (dollars/10 ⁶ Btu) | (dollars/barrel) | | |
| 1994..... | 17,200,731 | 831,929 | 1.36 | 28.03 | 1.2 | NA | 901,831 | 142,940 | 2.49 | 15.70 | 1.1 | NA |
| 1995..... | 16,946,807 | 826,860 | 1.32 | 27.01 | 1.1 | NA | 532,564 | 84,292 | 2.68 | 16.93 | .9 | NA |
| 1996..... | 17,707,127 | 862,701 | 1.29 | 26.45 | 1.1 | NA | 673,845 | 106,629 | 3.16 | 19.95 | 1.0 | NA |
| 1997..... | 18,095,870 | 880,588 | 1.27 | 26.16 | 1.1 | NA | 748,634 | 117,789 | 2.88 | 18.30 | 1.1 | NA |
| 1998..... | 19,036,478 | 929,448 | 1.25 | 25.64 | 1.1 | NA | 1,048,098 | 165,191 | 2.14 | 13.55 | 1.1 | NA |
| 1999..... | 18,460,617 | 908,232 | 1.22 | 24.72 | 1.0 | NA | 833,706 | 131,407 | 2.53 | 16.03 | 1.1 | NA |
| 2000..... | 15,987,811 | 790,274 | 1.20 | 24.28 | .9 | NA | 633,609 | 99,855 | 4.45 | 28.24 | 1.0 | NA |
| 2001..... | 15,285,607 | 762,815 | 1.23 | 24.68 | .9 | NA | 726,135 | 114,523 | 3.92 | 24.86 | 1.1 | NA |
| 2002..... | 17,981,987 | 884,287 | 1.25 | 25.52 | .9 | 88.0 | 623,354 | 98,581 | 3.87 | 24.45 | .9 | 67.2 |
| 2003 ⁴ | 19,989,772 | 986,026 | 1.28 | 26.00 | 1.0 | 95.6 | 980,983 | 156,338 | 4.94 | 31.02 | .8 | 82.6 |
| 2004..... | 20,188,633 | 1,002,032 | 1.36 | 27.42 | 1.0 | 95.9 | 958,046 | 151,821 | 5.00 | 31.58 | .9 | 81.7 |
| 2005..... | 20,647,307 | 1,021,437 | 1.54 | 31.20 | 1.0 | 95.9 | 986,258 | 157,221 | 7.59 | 47.61 | .8 | 84.7 |
| 2006 | | | | | | | | | | | | |
| January..... | 1,869,772 | 92,932 | 1.67 | 33.53 | 1.0 | 103.6 | 76,215 | 12,165 | 8.65 | 54.18 | .7 | 143.1 |
| February..... | 1,657,250 | 81,923 | 1.68 | 33.96 | 1.0 | 98.4 | 27,562 | 4,405 | 8.39 | 52.47 | .8 | 64.2 |
| March..... | 1,826,821 | 89,939 | 1.71 | 34.70 | 1.0 | 106.1 | 19,780 | 3,157 | 8.74 | 54.78 | .7 | 59.3 |
| April..... | 1,773,975 | 87,379 | 1.71 | 34.76 | 1.0 | 116.9 | 14,231 | 2,271 | 8.66 | 54.26 | .7 | 38.5 |
| May..... | 1,847,997 | 91,388 | 1.70 | 34.34 | 1.0 | 110.5 | 34,529 | 5,503 | 8.84 | 55.50 | .8 | 95.2 |
| June..... | 1,815,360 | 90,202 | 1.69 | 33.94 | 1.0 | 100.7 | 28,561 | 4,598 | 9.46 | 58.74 | .7 | 59.7 |
| July..... | 1,783,929 | 89,571 | 1.68 | 33.45 | .9 | 90.0 | 39,191 | 6,253 | 8.98 | 56.27 | .7 | 64.5 |
| August..... | 1,917,151 | 95,321 | 1.70 | 34.15 | 1.0 | 94.8 | 49,221 | 7,839 | 9.34 | 58.62 | .8 | 64.2 |
| September..... | 1,794,913 | 89,298 | 1.71 | 34.46 | 1.0 | 103.2 | 34,695 | 5,517 | 8.15 | 51.27 | .9 | 90.8 |
| October..... | 1,859,363 | 92,504 | 1.70 | 34.26 | 1.0 | 107.6 | 22,514 | 3,606 | 7.98 | 49.83 | .7 | 54.8 |
| November..... | 1,789,893 | 89,210 | 1.69 | 33.93 | 1.0 | 105.6 | 29,544 | 4,744 | 8.18 | 50.93 | .7 | 71.1 |
| December..... | 1,798,678 | 90,276 | 1.69 | 33.61 | .9 | 98.1 | 30,826 | 4,944 | 8.28 | 51.61 | .6 | 75.2 |
| Total..... | 21,735,101 | 1,079,943 | 1.69 | 34.09 | 1.0 | 102.5 | 406,869 | 65,002 | 8.68 | 54.35 | .7 | 74.0 |
| 2007 | | | | | | | | | | | | |
| January..... | 1,744,204 | 87,188 | 1.74 | 34.82 | 1.0 | 92.9 | 27,964 | 4,497 | 8.10 | 50.36 | .7 | 50.2 |
| February..... | 1,612,187 | 80,145 | 1.75 | 35.16 | 1.0 | 93.1 | 42,710 | 6,842 | 8.25 | 51.50 | .7 | 46.9 |
| March..... | 1,809,836 | 89,418 | 1.76 | 35.66 | 1.0 | 106.5 | 28,652 | 4,565 | 7.81 | 49.01 | .7 | 54.6 |
| April..... | 1,700,139 | 83,907 | 1.77 | 35.82 | 1.0 | 107.9 | 34,358 | 5,481 | 8.53 | 53.49 | .8 | 72.6 |
| May..... | 1,765,637 | 87,172 | 1.77 | 35.88 | 1.0 | 104.9 | 41,126 | 6,574 | 8.97 | 56.13 | .7 | 95.6 |
| June..... | 1,799,183 | 89,682 | 1.77 | 35.42 | .9 | 97.8 | 37,782 | 6,032 | 9.78 | 61.23 | .7 | 75.5 |
| July..... | 1,757,214 | 87,902 | 1.76 | 35.15 | 1.0 | 89.2 | 30,417 | 4,872 | 9.89 | 61.74 | .7 | 62.7 |
| August..... | 1,875,692 | 93,592 | 1.77 | 35.52 | 1.0 | 92.5 | 39,170 | 6,279 | 10.18 | 63.50 | .7 | 59.5 |
| September..... | 1,778,602 | 88,632 | 1.77 | 35.60 | 1.0 | 98.7 | 36,182 | 5,748 | 9.72 | 61.18 | .7 | 84.9 |
| October..... | 1,824,224 | 91,175 | 1.77 | 35.41 | 1.0 | 106.3 | 18,521 | 2,996 | 11.50 | 71.11 | .7 | 44.6 |
| November..... | 1,710,779 | 86,153 | 1.78 | 35.26 | .9 | 102.1 | 21,358 | 3,434 | 12.93 | 80.43 | .8 | 84.5 |
| December..... | 1,774,662 | 89,697 | 1.82 | 36.02 | .9 | 96.0 | 17,020 | 2,748 | 13.25 | 82.10 | .6 | 48.3 |
| Total..... | 21,152,358 | 1,054,664 | 1.77 | 35.48 | 1.0 | 98.6 | 375,260 | 60,068 | 9.59 | 59.93 | .7 | 62.6 |
| 2008 | | | | | | | | | | | | |
| January..... | 1,753,369 | 89,485 | 1.92 | 37.59 | 1.0 | 93.2 | 28,125 | 4,519 | 14.59 | 90.78 | .5 | 73.9 |
| February..... | 1,637,445 | 82,256 | 1.88 | 37.47 | 1.0 | 93.2 | 21,951 | 3,601 | 15.14 | 92.31 | .5 | 76.2 |
| March..... | 1,725,816 | 85,950 | 1.94 | 38.88 | 1.0 | 101.2 | 21,661 | 3,529 | 15.10 | 92.66 | .6 | 84.2 |
| April..... | 1,708,777 | 85,536 | 1.97 | 39.32 | 1.0 | 108.3 | 32,729 | 5,255 | 14.95 | 93.14 | .7 | 125.8 |
| May..... | 1,753,557 | 87,808 | 2.05 | 40.84 | 1.0 | 104.6 | 26,416 | 4,262 | 16.44 | 101.86 | .8 | 97.8 |
| June..... | 1,693,216 | 84,475 | 2.09 | 41.81 | 1.0 | 92.1 | 44,487 | 7,112 | 18.37 | 114.92 | .7 | 99.6 |
| July..... | 1,746,950 | 88,675 | 2.10 | 41.33 | 1.0 | 88.5 | 30,348 | 4,880 | 20.69 | 128.68 | .7 | 84.3 |
| August..... | 1,865,682 | 93,924 | 2.18 | 43.40 | 1.0 | 96.1 | 27,789 | 4,467 | 19.63 | 122.12 | .7 | 91.4 |
| September..... | 1,761,901 | 89,071 | 2.18 | 43.05 | 1.0 | 101.2 | 26,384 | 4,252 | 16.98 | 105.36 | .7 | 75.1 |
| October..... | 1,845,020 | 92,650 | 2.18 | 43.45 | 1.0 | 112.1 | 23,048 | 3,733 | 15.55 | 95.99 | .6 | 102.3 |
| November..... | 1,763,843 | 89,253 | 2.15 | 42.40 | 1.0 | 107.3 | 20,874 | 3,480 | 11.59 | 69.52 | .5 | 85.4 |
| Total..... | 19,255,576 | 969,085 | 2.06 | 40.92 | 1.0 | 99.3 | 303,811 | 49,092 | 16.56 | 102.51 | .6 | 89.6 |
| Year to Date | | | | | | | | | | | | |
| 2006..... | 19,936,423 | 989,666 | 1.69 | 34.13 | 1.0 | 102.9 | 376,043 | 60,058 | 8.72 | 54.57 | .7 | 73.9 |
| 2007..... | 19,377,696 | 964,967 | 1.76 | 35.43 | 1.0 | 98.9 | 358,240 | 57,320 | 9.42 | 58.87 | .7 | 63.5 |
| 2008..... | 19,255,576 | 969,085 | 2.06 | 40.92 | 1.0 | 99.3 | 303,811 | 49,092 | 16.56 | 102.51 | .6 | 89.6 |
| Rolling 12 Months Ending in November | | | | | | | | | | | | |
| 2007..... | 21,176,374 | 1,055,243 | 1.76 | 35.27 | 1.0 | 98.8 | 389,066 | 62,264 | 9.33 | 58.29 | .7 | 64.3 |
| 2008..... | 21,030,238 | 1,058,782 | 2.04 | 40.50 | 1.0 | 99.0 | 320,831 | 51,840 | 16.39 | 101.43 | .6 | 85.7 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.³ The Percent of Consumption calculation can be affected by a variety of factors, some of which may include: different respondents and response rates for the receipt and consumption surveys; plants may be adding receipts to their stockpiles; plants may be consuming fuel from existing stocks; and combined heat and power plants may be reporting fuel stocks related to non-electric generating activities.⁴ The years 2002 and beyond include data for electric utilities, independent power producers, and commercial and industrial combined heat and power producers. The years prior to 2002 include data for electric utilities only.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants Report;" 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 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 1994 through November 2008 (Continued)

| Period | Petroleum Coke | | | | | Natural Gas ¹ | | | | | All Fossil Fuels |
|---|----------------|--------------|-------------------------------|---------------|---------------|--|------------------|------------------|-------------------------------|--------------------------|--|
| | Receipts | | Average Cost | | Avg. Sulfur % | Percentage of Consumption ² | Receipts | | Average Cost | Percentage of | Average Cost (dollars/10 ⁶ Btu) |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | Consumption ³ | |
| 1994..... | 34,249 | 1,263 | .69 | 18.68 | 4.8 | NA | 2,930,984 | 2,863,904 | 2.23 | NA | 1.52 |
| 1995..... | 31,485 | 1,123 | .65 | 18.27 | 5.1 | NA | 3,081,506 | 3,023,327 | 1.98 | NA | 1.45 |
| 1996..... | 39,300 | 1,410 | .78 | 21.80 | 4.8 | NA | 2,649,028 | 2,604,663 | 2.64 | NA | 1.52 |
| 1997..... | 61,609 | 2,192 | .91 | 25.64 | 4.9 | NA | 2,817,639 | 2,764,734 | 2.76 | NA | 1.52 |
| 1998..... | 91,923 | 3,217 | .71 | 20.36 | 5.0 | NA | 2,985,866 | 2,922,957 | 2.38 | NA | 1.44 |
| 1999..... | 82,083 | 2,906 | .65 | 18.47 | 5.3 | NA | 2,862,084 | 2,809,455 | 2.57 | NA | 1.44 |
| 2000..... | 47,855 | 1,683 | .58 | 16.62 | 5.1 | NA | 2,681,659 | 2,629,986 | 4.30 | NA | 1.74 |
| 2001..... | 56,851 | 2,019 | .78 | 22.07 | 5.1 | NA | 2,209,089 | 2,148,924 | 4.49 | NA | 1.73 |
| 2002..... | 127,362 | 4,454 | .78 | 22.32 | 5.0 | 60.6 | 5,749,844 | 5,607,737 | 3.56 | 80.3 | 1.86 |
| 2003..... | 165,378 | 5,846 | .72 | 20.39 | 5.3 | 82.7 | 5,663,023 | 5,500,704 | 5.39 | 86.8 | 2.28 |
| 2004 ³ | 196,606 | 6,967 | .83 | 23.48 | 5.1 | 79.9 | 5,890,750 | 5,734,054 | 5.96 | 85.2 | 2.48 |
| 2005..... | 211,776 | 7,502 | 1.11 | 31.35 | 5.2 | 82.3 | 6,356,868 | 6,181,717 | 8.21 | 88.1 | 3.25 |
| 2006 | | | | | | | | | | | |
| January..... | 20,797 | 740 | 1.10 | 30.99 | 5.2 | 90.3 | 381,760 | 371,210 | 9.11 | 89.5 | 3.10 |
| February..... | 19,032 | 678 | 1.17 | 32.97 | 5.1 | 92.7 | 406,801 | 395,788 | 7.84 | 91.2 | 2.95 |
| March..... | 18,356 | 654 | 1.20 | 33.68 | 5.2 | 93.1 | 469,616 | 456,911 | 7.17 | 90.8 | 2.86 |
| April..... | 14,643 | 517 | 1.26 | 35.66 | 5.4 | 73.1 | 484,099 | 471,257 | 7.13 | 91.5 | 2.90 |
| May..... | 16,315 | 580 | 1.33 | 37.50 | 5.5 | 86.8 | 555,809 | 541,251 | 6.75 | 89.9 | 2.94 |
| June..... | 17,129 | 605 | 1.32 | 37.48 | 5.2 | 81.8 | 678,036 | 660,123 | 6.47 | 90.5 | 3.05 |
| July..... | 17,043 | 599 | 1.39 | 39.49 | 5.1 | 74.7 | 898,770 | 875,647 | 6.48 | 90.0 | 3.36 |
| August..... | 16,270 | 569 | 1.47 | 42.12 | 5.0 | 74.7 | 869,437 | 846,802 | 7.33 | 89.1 | 3.54 |
| September..... | 17,130 | 603 | 1.49 | 42.32 | 4.8 | 86.4 | 599,081 | 583,562 | 6.17 | 90.4 | 2.90 |
| October..... | 17,849 | 631 | 1.34 | 37.96 | 5.1 | 91.5 | 581,287 | 565,964 | 5.51 | 89.7 | 2.65 |
| November..... | 15,354 | 543 | 1.51 | 42.61 | 5.0 | 86.2 | 455,695 | 443,825 | 7.28 | 90.4 | 2.89 |
| December..... | 13,351 | 472 | 1.42 | 40.19 | 5.2 | 70.5 | 475,288 | 462,904 | 7.43 | 89.8 | 2.95 |
| Total..... | 203,270 | 7,193 | 1.33 | 37.46 | 5.2 | 83.4 | 6,855,680 | 6,675,246 | 6.94 | 90.2 | 3.02 |
| 2007 | | | | | | | | | | | |
| January..... | 15,308 | 541 | 1.54 | 43.70 | 4.9 | 78.8 | 509,465 | 496,002 | 6.81 | 90.2 | 2.94 |
| February..... | 13,872 | 487 | 1.64 | 46.73 | 5.2 | 85.4 | 475,630 | 462,500 | 7.87 | 90.7 | 3.23 |
| March..... | 9,737 | 343 | 1.50 | 42.64 | 5.4 | 59.4 | 475,814 | 463,324 | 7.44 | 92.2 | 3.00 |
| April..... | 12,751 | 450 | 1.53 | 43.47 | 4.8 | 79.7 | 511,190 | 497,885 | 7.54 | 92.5 | 3.18 |
| May..... | 13,149 | 459 | 1.51 | 43.40 | 5.1 | 75.6 | 562,978 | 547,757 | 7.73 | 91.9 | 3.30 |
| June..... | 12,377 | 435 | 1.57 | 44.86 | 5.3 | 63.4 | 675,226 | 656,915 | 7.60 | 91.4 | 3.44 |
| July..... | 17,206 | 606 | 1.43 | 40.71 | 5.0 | 95.2 | 793,191 | 771,850 | 6.87 | 90.0 | 3.41 |
| August..... | 12,850 | 451 | 1.54 | 44.02 | 5.0 | 67.7 | 967,093 | 941,338 | 6.62 | 87.4 | 3.50 |
| September..... | 14,574 | 510 | 1.55 | 44.41 | 5.1 | 84.4 | 719,961 | 700,586 | 6.12 | 90.0 | 3.11 |
| October..... | 12,661 | 445 | 1.37 | 38.92 | 5.2 | 82.2 | 646,023 | 629,230 | 6.78 | 89.9 | 3.13 |
| November..... | 13,588 | 475 | 1.47 | 42.07 | 4.9 | 89.9 | 503,318 | 490,634 | 7.11 | 91.0 | 3.07 |
| December..... | 13,018 | 456 | 1.45 | 41.50 | 5.1 | 72.2 | 556,344 | 542,296 | 7.68 | 91.2 | 3.28 |
| Total..... | 161,091 | 5,656 | 1.51 | 43.02 | 5.1 | 77.5 | 7,396,233 | 7,200,316 | 7.11 | 90.4 | 3.23 |
| 2008 | | | | | | | | | | | |
| January..... | 13,960 | 492 | 1.48 | 41.92 | 5.2 | 82.1 | 620,316 | 604,867 | 8.18 | 96.6 | 3.67 |
| February..... | 9,769 | 348 | 1.61 | 45.04 | 5.4 | 62.2 | 524,453 | 511,806 | 8.62 | 98.3 | 3.63 |
| March..... | 15,104 | 533 | 1.54 | 43.75 | 5.4 | 100.1 | 546,084 | 532,231 | 9.29 | 96.1 | 3.80 |
| April..... | 14,632 | 515 | 1.61 | 45.88 | 5.4 | 101.6 | 550,299 | 536,097 | 9.96 | 98.7 | 4.06 |
| May..... | 12,382 | 436 | 1.78 | 50.62 | 5.5 | 87.5 | 563,724 | 549,086 | 10.70 | 97.8 | 4.28 |
| June..... | 14,186 | 499 | 1.82 | 51.87 | 5.3 | 85.1 | 767,583 | 746,828 | 12.21 | 98.2 | 5.46 |
| July..... | 15,205 | 535 | 1.77 | 50.27 | 5.0 | 102.0 | 875,198 | 852,338 | 11.90 | 96.9 | 5.52 |
| August..... | 13,020 | 456 | 2.42 | 69.06 | 5.2 | 87.5 | 858,618 | 835,930 | 9.11 | 97.2 | 4.51 |
| September..... | 12,184 | 425 | 2.17 | 62.30 | 5.1 | 86.7 | 691,820 | 672,394 | 7.87 | 99.1 | 3.91 |
| October..... | 14,551 | 510 | 2.14 | 61.13 | 5.0 | 91.0 | 637,764 | 621,196 | 6.76 | 97.7 | 3.46 |
| November..... | 15,202 | 535 | 2.05 | 58.31 | 5.1 | 111.4 | 544,678 | 530,597 | 6.49 | 97.1 | 3.24 |
| Total..... | 150,196 | 5,284 | 1.85 | 52.69 | 5.2 | 90.2 | 7,180,538 | 6,993,369 | 9.34 | 97.6 | 4.17 |
| Year to Date | | | | | | | | | | | |
| 2006..... | 189,920 | 6,721 | 1.32 | 37.27 | 5.2 | 84.5 | 6,380,391 | 6,212,342 | 6.90 | 90.2 | 3.03 |
| 2007..... | 148,073 | 5,200 | 1.51 | 43.16 | 5.1 | 78.0 | 6,839,889 | 6,658,021 | 7.06 | 90.4 | 3.22 |
| 2008..... | 150,196 | 5,284 | 1.85 | 52.69 | 5.2 | 90.2 | 7,180,538 | 6,993,369 | 9.34 | 97.6 | 4.17 |
| Rolling 12 Months Ending in November | | | | | | | | | | | |
| 2007..... | 161,424 | 5,671 | 1.51 | 42.91 | 5.1 | 77.3 | 7,315,177 | 7,120,924 | 7.08 | 90.3 | 3.20 |
| 2008..... | 163,214 | 5,740 | 1.82 | 51.80 | 5.2 | 88.4 | 7,736,883 | 7,535,665 | 9.22 | 97.1 | 4.10 |

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² The Percent of Consumption calculation can be affected by a variety of factors, some of which may include: different respondents and response rates for the receipt and consumption surveys; plants may be adding receipts to their stockpiles; plants may be consuming fuel from existing stocks; and combined heat and power plants may be reporting fuel stocks related to non-electric generating activities.

³ The years 2002 and beyond include data for electric utilities, independent power producers, and commercial and industrial combined heat and power producers. The years prior to 2002 include data for electric utilities only.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants Report;" 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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1994 through November 2008

| Period | Coal ¹ | | | | | Petroleum Liquids ² | | | | |
|---|-------------------|----------------|-------------------------------|---------------|---------------|--------------------------------|----------------|-------------------------------|------------------|---------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | | Avg. Sulfur % |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 barrels) | (dollars/10 ⁶ Btu) | (dollars/barrel) | |
| 1994..... | 17,200,731 | 831,929 | 1.36 | 28.03 | 1.2 | 901,831 | 142,940 | 2.49 | 15.70 | 1.1 |
| 1995..... | 16,946,807 | 826,860 | 1.32 | 27.01 | 1.1 | 532,564 | 84,292 | 2.68 | 16.93 | .9 |
| 1996..... | 17,707,127 | 862,701 | 1.29 | 26.45 | 1.1 | 673,845 | 106,629 | 3.16 | 19.95 | 1.0 |
| 1997..... | 18,095,870 | 880,588 | 1.27 | 26.16 | 1.1 | 748,634 | 117,789 | 2.88 | 18.30 | 1.1 |
| 1998..... | 19,036,478 | 929,448 | 1.25 | 25.64 | 1.1 | 1,048,098 | 165,191 | 2.14 | 13.55 | 1.1 |
| 1999..... | 18,460,617 | 908,232 | 1.22 | 24.72 | 1.0 | 833,706 | 131,407 | 2.53 | 16.03 | 1.1 |
| 2000..... | 15,987,811 | 790,274 | 1.20 | 24.28 | .9 | 633,609 | 99,855 | 4.45 | 28.24 | 1.0 |
| 2001..... | 15,285,607 | 762,815 | 1.23 | 24.68 | .9 | 726,135 | 114,523 | 3.92 | 24.85 | 1.1 |
| 2002..... | 13,967,326 | 687,747 | 1.22 | 24.74 | .9 | 407,442 | 63,809 | 3.74 | 23.88 | 1.0 |
| 2003..... | 15,292,394 | 746,594 | 1.26 | 25.82 | .9 | 605,651 | 95,534 | 4.68 | 29.66 | 1.0 |
| 2004..... | 15,440,681 | 758,557 | 1.34 | 27.30 | .9 | 592,478 | 93,034 | 4.80 | 30.57 | 1.0 |
| 2005..... | 15,836,924 | 775,890 | 1.53 | 31.22 | .9 | 566,320 | 89,303 | 7.17 | 45.46 | .9 |
| 2006 | | | | | | | | | | |
| January..... | 1,373,759 | 67,594 | 1.65 | 33.56 | .9 | 46,060 | 7,306 | 8.31 | 52.41 | .8 |
| February..... | 1,228,991 | 60,184 | 1.67 | 34.11 | 1.0 | 17,917 | 2,828 | 7.96 | 50.45 | .9 |
| March..... | 1,349,522 | 65,909 | 1.69 | 34.59 | 1.0 | 13,298 | 2,090 | 8.34 | 53.03 | .7 |
| April..... | 1,333,470 | 65,065 | 1.70 | 34.83 | .9 | 10,036 | 1,576 | 8.05 | 51.26 | .8 |
| May..... | 1,380,787 | 67,771 | 1.70 | 34.68 | .9 | 26,894 | 4,236 | 8.53 | 54.14 | .9 |
| June..... | 1,356,678 | 66,912 | 1.68 | 34.06 | .9 | 21,621 | 3,436 | 9.19 | 57.82 | .8 |
| July..... | 1,341,826 | 66,654 | 1.67 | 33.66 | .9 | 23,725 | 3,722 | 8.51 | 54.26 | .9 |
| August..... | 1,421,778 | 69,991 | 1.70 | 34.43 | .9 | 32,389 | 5,063 | 8.82 | 56.40 | .9 |
| September..... | 1,334,996 | 65,787 | 1.70 | 34.53 | .9 | 26,217 | 4,119 | 7.94 | 50.54 | 1.0 |
| October..... | 1,387,772 | 68,343 | 1.71 | 34.66 | .9 | 12,990 | 2,053 | 7.57 | 47.89 | .9 |
| November..... | 1,336,886 | 65,951 | 1.68 | 34.01 | .9 | 19,741 | 3,109 | 7.84 | 49.78 | .7 |
| December..... | 1,351,388 | 67,200 | 1.69 | 33.95 | .9 | 18,145 | 2,877 | 8.03 | 50.67 | .7 |
| Total..... | 16,197,852 | 797,361 | 1.69 | 34.26 | .9 | 269,033 | 42,415 | 8.33 | 52.80 | .8 |
| 2007 | | | | | | | | | | |
| January..... | 1,263,548 | 62,627 | 1.75 | 35.33 | .9 | 11,580 | 1,831 | 7.31 | 46.24 | .7 |
| February..... | 1,186,435 | 58,297 | 1.76 | 35.85 | .9 | 18,268 | 2,877 | 7.91 | 50.22 | .7 |
| March..... | 1,330,103 | 65,104 | 1.78 | 36.31 | .9 | 15,739 | 2,475 | 7.50 | 47.66 | .6 |
| April..... | 1,249,482 | 61,055 | 1.79 | 36.57 | .9 | 18,611 | 2,917 | 8.47 | 54.02 | .9 |
| May..... | 1,310,600 | 64,184 | 1.78 | 36.40 | .9 | 26,732 | 4,202 | 8.72 | 55.49 | .8 |
| June..... | 1,336,724 | 65,784 | 1.77 | 35.87 | .9 | 25,145 | 3,945 | 9.46 | 60.32 | .8 |
| July..... | 1,300,209 | 64,338 | 1.76 | 35.66 | .9 | 17,699 | 2,780 | 9.29 | 59.12 | .8 |
| August..... | 1,382,724 | 68,115 | 1.77 | 36.02 | 1.0 | 27,003 | 4,243 | 9.64 | 61.32 | .8 |
| September..... | 1,295,271 | 63,870 | 1.78 | 36.18 | .9 | 25,201 | 3,958 | 9.07 | 57.72 | .8 |
| October..... | 1,327,368 | 65,455 | 1.78 | 36.13 | .9 | 9,411 | 1,487 | 10.70 | 67.71 | .8 |
| November..... | 1,259,332 | 62,648 | 1.78 | 35.84 | .9 | 13,121 | 2,063 | 12.73 | 80.99 | .9 |
| December..... | 1,319,599 | 65,901 | 1.83 | 36.58 | .9 | 7,840 | 1,248 | 12.96 | 81.41 | .5 |
| Total..... | 15,561,395 | 767,377 | 1.78 | 36.06 | .9 | 216,349 | 34,026 | 9.24 | 58.73 | .8 |
| 2008 | | | | | | | | | | |
| January..... | 1,237,669 | 61,516 | 1.87 | 37.68 | .9 | 16,710 | 2,641 | 14.16 | 89.59 | .5 |
| February..... | 1,182,617 | 58,711 | 1.87 | 37.74 | .9 | 14,796 | 2,418 | 15.13 | 92.60 | .4 |
| March..... | 1,262,047 | 62,321 | 1.92 | 38.97 | .9 | 14,139 | 2,290 | 15.18 | 93.76 | .6 |
| April..... | 1,243,294 | 61,753 | 1.95 | 39.21 | .9 | 23,380 | 3,721 | 14.72 | 92.46 | .7 |
| May..... | 1,288,629 | 63,914 | 2.04 | 41.12 | .9 | 20,572 | 3,289 | 15.60 | 97.55 | .8 |
| June..... | 1,250,454 | 61,901 | 2.08 | 41.97 | 1.0 | 32,767 | 5,204 | 17.59 | 110.72 | .7 |
| July..... | 1,286,787 | 64,555 | 2.09 | 41.72 | .9 | 20,299 | 3,237 | 20.23 | 126.91 | .7 |
| August..... | 1,358,226 | 67,588 | 2.18 | 43.91 | 1.0 | 20,130 | 3,209 | 19.35 | 121.37 | .7 |
| September..... | 1,293,911 | 64,531 | 2.19 | 43.85 | .9 | 19,949 | 3,175 | 16.48 | 103.57 | .8 |
| October..... | 1,343,356 | 66,702 | 2.19 | 44.18 | 1.0 | 13,325 | 2,142 | 16.68 | 103.80 | .5 |
| November..... | 1,296,740 | 64,887 | 2.17 | 43.39 | 1.0 | 12,071 | 2,014 | 12.52 | 75.06 | .4 |
| Total..... | 14,043,729 | 698,379 | 2.05 | 41.33 | .9 | 208,138 | 33,340 | 16.43 | 102.54 | .6 |
| Year to Date | | | | | | | | | | |
| 2006..... | 14,846,464 | 730,161 | 1.69 | 34.29 | .9 | 250,888 | 39,538 | 8.35 | 52.96 | .8 |
| 2007..... | 14,241,796 | 701,476 | 1.77 | 36.01 | .9 | 208,509 | 32,778 | 9.10 | 57.86 | .8 |
| 2008..... | 14,043,729 | 698,379 | 2.05 | 41.33 | .9 | 208,138 | 33,340 | 16.43 | 102.54 | .6 |
| Rolling 12 Months Ending in November | | | | | | | | | | |
| 2007..... | 15,593,185 | 768,677 | 1.77 | 35.83 | .9 | 226,654 | 35,655 | 9.01 | 57.28 | .8 |
| 2008..... | 15,363,328 | 764,279 | 2.04 | 40.92 | .9 | 215,977 | 34,588 | 16.30 | 101.78 | .6 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" 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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1994 through November 2008 (Continued)

| Period | Petroleum Coke | | | | | Natural Gas ¹ | | | All Fossil Fuels ² |
|---|----------------|--------------|-------------------------------|---------------|---------------|--------------------------|------------------|-------------------------------|-------------------------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | Average Cost |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | |
| 1994..... | 34,249 | 1,263 | .69 | 18.68 | 4.8 | 2,930,984 | 2,863,904 | 2.23 | 1.52 |
| 1995..... | 31,485 | 1,123 | .65 | 18.27 | 5.1 | 3,081,506 | 3,023,327 | 1.98 | 1.45 |
| 1996..... | 39,300 | 1,410 | .78 | 21.80 | 4.8 | 2,649,028 | 2,604,663 | 2.64 | 1.52 |
| 1997..... | 61,609 | 2,192 | .91 | 25.64 | 4.9 | 2,817,639 | 2,764,734 | 2.76 | 1.52 |
| 1998..... | 91,923 | 3,217 | .71 | 20.36 | 5.0 | 2,985,866 | 2,922,957 | 2.38 | 1.44 |
| 1999..... | 82,083 | 2,906 | .65 | 18.47 | 5.3 | 2,862,084 | 2,809,455 | 2.57 | 1.44 |
| 2000..... | 47,855 | 1,683 | .58 | 16.62 | 5.1 | 2,681,659 | 2,629,986 | 4.30 | 1.74 |
| 2001..... | 56,851 | 2,019 | .78 | 22.07 | 5.1 | 2,209,089 | 2,148,924 | 4.49 | 1.73 |
| 2002..... | 75,711 | 2,677 | .63 | 17.68 | 5.0 | 1,680,518 | 1,634,734 | 3.68 | 1.53 |
| 2003..... | 89,618 | 3,165 | .74 | 20.94 | 5.5 | 1,486,088 | 1,439,513 | 5.59 | 1.74 |
| 2004..... | 107,985 | 3,817 | .89 | 25.15 | 5.1 | 1,542,746 | 1,499,933 | 6.15 | 1.87 |
| 2005..... | 102,450 | 3,632 | 1.29 | 36.31 | 5.2 | 1,835,221 | 1,780,721 | 8.32 | 2.38 |
| 2006 | | | | | | | | | |
| January..... | 9,677 | 344 | 1.25 | 35.12 | 5.3 | 106,540 | 103,317 | 9.41 | 2.39 |
| February..... | 11,007 | 392 | 1.25 | 34.99 | 5.1 | 123,715 | 120,288 | 8.16 | 2.33 |
| March..... | 10,815 | 387 | 1.30 | 36.26 | 5.2 | 149,331 | 145,420 | 7.62 | 2.33 |
| April..... | 6,799 | 240 | 1.48 | 41.93 | 5.6 | 161,706 | 157,427 | 7.55 | 2.37 |
| May..... | 7,043 | 250 | 1.62 | 45.61 | 5.6 | 186,891 | 181,911 | 7.28 | 2.47 |
| June..... | 9,382 | 329 | 1.49 | 42.52 | 5.3 | 232,816 | 226,476 | 6.92 | 2.53 |
| July..... | 8,208 | 289 | 1.58 | 44.92 | 5.0 | 292,095 | 284,404 | 6.90 | 2.69 |
| August..... | 7,791 | 272 | 1.65 | 47.24 | 4.8 | 290,318 | 282,331 | 7.58 | 2.80 |
| September..... | 9,165 | 321 | 1.71 | 48.88 | 4.7 | 199,144 | 194,027 | 6.90 | 2.47 |
| October..... | 8,399 | 297 | 1.57 | 44.39 | 5.1 | 183,750 | 178,972 | 6.13 | 2.26 |
| November..... | 7,105 | 250 | 1.73 | 49.16 | 4.7 | 146,580 | 142,895 | 7.68 | 2.34 |
| December..... | 4,078 | 146 | 1.51 | 42.22 | 5.1 | 149,402 | 145,645 | 7.77 | 2.36 |
| Total..... | 99,471 | 3,516 | 1.49 | 42.21 | 5.1 | 2,222,289 | 2,163,113 | 7.36 | 2.45 |
| 2007 | | | | | | | | | |
| January..... | 8,788 | 309 | 1.76 | 49.98 | 4.8 | 156,632 | 152,422 | 7.38 | 2.41 |
| February..... | 8,985 | 315 | 1.88 | 53.53 | 5.1 | 144,041 | 140,124 | 8.29 | 2.54 |
| March..... | 5,626 | 197 | 1.71 | 48.82 | 5.5 | 145,810 | 142,169 | 7.89 | 2.43 |
| April..... | 6,964 | 244 | 1.68 | 47.83 | 4.8 | 161,569 | 157,595 | 7.86 | 2.56 |
| May..... | 7,042 | 245 | 1.77 | 50.79 | 4.9 | 181,055 | 176,114 | 7.98 | 2.64 |
| June..... | 5,922 | 206 | 1.84 | 52.72 | 5.9 | 225,244 | 218,995 | 7.84 | 2.75 |
| July..... | 9,251 | 322 | 1.73 | 49.65 | 5.0 | 255,995 | 248,979 | 7.32 | 2.75 |
| August..... | 6,478 | 226 | 1.69 | 48.30 | 5.0 | 314,094 | 305,479 | 6.99 | 2.84 |
| September..... | 7,412 | 259 | 1.75 | 50.22 | 5.3 | 238,916 | 232,422 | 6.58 | 2.63 |
| October..... | 5,849 | 205 | 1.62 | 46.22 | 5.4 | 217,155 | 211,612 | 7.02 | 2.56 |
| November..... | 7,302 | 254 | 1.64 | 47.07 | 4.7 | 163,259 | 159,449 | 7.49 | 2.53 |
| December..... | 5,195 | 182 | 1.67 | 47.63 | 4.9 | 174,334 | 170,277 | 7.98 | 2.60 |
| Total..... | 84,812 | 2,964 | 1.73 | 49.57 | 5.1 | 2,378,104 | 2,315,637 | 7.47 | 2.61 |
| 2008 | | | | | | | | | |
| January..... | 6,365 | 224 | 1.86 | 52.82 | 5.2 | 216,571 | 211,516 | 8.31 | 2.95 |
| February..... | 4,833 | 175 | 2.05 | 56.78 | 5.8 | 181,096 | 177,054 | 8.81 | 2.92 |
| March..... | 8,198 | 289 | 1.92 | 54.35 | 5.3 | 194,660 | 190,001 | 9.30 | 3.02 |
| April..... | 6,701 | 235 | 1.86 | 52.93 | 5.5 | 187,204 | 182,377 | 9.92 | 3.17 |
| May..... | 5,712 | 201 | 2.05 | 58.33 | 5.9 | 215,107 | 209,607 | 10.62 | 3.43 |
| June..... | 5,647 | 197 | 2.05 | 58.78 | 5.6 | 279,129 | 271,743 | 11.69 | 4.11 |
| July..... | 6,664 | 233 | 1.78 | 50.80 | 4.9 | 306,209 | 298,348 | 11.62 | 4.12 |
| August..... | 8,006 | 280 | 2.41 | 68.81 | 5.6 | 311,444 | 303,182 | 9.09 | 3.66 |
| September..... | 6,595 | 229 | 2.31 | 66.33 | 5.3 | 251,910 | 244,588 | 8.15 | 3.32 |
| October..... | 8,196 | 285 | 2.21 | 63.37 | 4.8 | 232,868 | 227,081 | 6.94 | 3.01 |
| November..... | 8,313 | 290 | 2.37 | 67.88 | 5.0 | 195,078 | 190,218 | 6.83 | 2.86 |
| Total..... | 75,229 | 2,639 | 2.09 | 59.61 | 5.3 | 2,571,277 | 2,505,715 | 9.33 | 3.34 |
| Year to Date | | | | | | | | | |
| 2006..... | 95,392 | 3,370 | 1.49 | 42.20 | 5.1 | 2,072,887 | 2,017,468 | 7.33 | 2.46 |
| 2007..... | 79,616 | 2,783 | 1.74 | 49.69 | 5.1 | 2,203,769 | 2,145,360 | 7.43 | 2.61 |
| 2008..... | 75,229 | 2,639 | 2.09 | 59.61 | 5.3 | 2,571,277 | 2,505,715 | 9.33 | 3.34 |
| Rolling 12 Months Ending in November | | | | | | | | | |
| 2007..... | 83,695 | 2,928 | 1.73 | 49.32 | 5.1 | 2,353,171 | 2,291,006 | 7.45 | 2.59 |
| 2008..... | 80,425 | 2,821 | 2.06 | 58.84 | 5.3 | 2,745,612 | 2,675,992 | 9.25 | 3.28 |

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" 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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1994 through November 2008

| Period | Coal ¹ | | | | | Petroleum Liquids ² | | | | |
|---|-------------------|----------------|-------------------------------|---------------|---------------|--------------------------------|----------------|-------------------------------|------------------|---------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | | Avg. Sulfur % |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 barrels) | (dollars/10 ⁶ Btu) | (dollars/barrel) | |
| 1994..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1995..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1996..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1997..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1998..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1999..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2000..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2001..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2002..... | 3,710,847 | 182,482 | 1.37 | 27.96 | 1.2 | 186,271 | 30,043 | 4.19 | 25.98 | .6 |
| 2003 ³ | 4,365,996 | 223,984 | 1.34 | 26.20 | 1.2 | 347,546 | 56,138 | 5.41 | 33.50 | .6 |
| 2004..... | 4,410,775 | 227,700 | 1.41 | 27.27 | 1.1 | 337,011 | 54,152 | 5.35 | 33.31 | .6 |
| 2005..... | 4,459,333 | 229,071 | 1.56 | 30.39 | 1.1 | 381,871 | 61,753 | 8.30 | 51.34 | .5 |
| 2006 | | | | | | | | | | |
| January..... | 469,304 | 24,068 | 1.69 | 32.93 | 1.1 | 27,763 | 4,478 | 9.25 | 57.31 | .6 |
| February..... | 402,471 | 20,523 | 1.68 | 32.93 | 1.1 | 7,423 | 1,223 | 9.44 | 57.29 | .7 |
| March..... | 451,544 | 22,820 | 1.75 | 34.55 | 1.1 | 4,435 | 741 | 10.39 | 62.17 | .3 |
| April..... | 414,739 | 21,090 | 1.73 | 34.07 | 1.1 | 2,903 | 489 | 11.09 | 65.83 | .3 |
| May..... | 437,491 | 22,231 | 1.66 | 32.66 | 1.1 | 6,028 | 994 | 10.58 | 64.17 | .4 |
| June..... | 429,765 | 21,928 | 1.68 | 32.99 | 1.1 | 5,589 | 930 | 10.83 | 65.08 | .4 |
| July..... | 415,701 | 21,667 | 1.68 | 32.24 | 1.0 | 13,972 | 2,272 | 9.90 | 60.87 | .5 |
| August..... | 464,934 | 23,878 | 1.69 | 32.82 | 1.1 | 14,899 | 2,432 | 10.66 | 65.30 | .5 |
| September..... | 430,972 | 22,152 | 1.73 | 33.66 | 1.1 | 7,119 | 1,162 | 9.08 | 55.63 | .3 |
| October..... | 442,207 | 22,762 | 1.68 | 32.58 | 1.1 | 8,133 | 1,326 | 8.74 | 53.58 | .4 |
| November..... | 424,409 | 21,903 | 1.70 | 33.02 | 1.1 | 8,384 | 1,409 | 9.10 | 54.15 | .4 |
| December..... | 420,864 | 21,833 | 1.66 | 32.06 | 1.1 | 10,877 | 1,780 | 8.83 | 53.98 | .4 |
| Total..... | 5,204,402 | 266,856 | 1.69 | 33.04 | 1.1 | 117,524 | 19,236 | 9.65 | 58.98 | .5 |
| 2007 | | | | | | | | | | |
| January..... | 456,799 | 23,508 | 1.68 | 32.72 | 1.1 | 12,173 | 1,992 | 9.25 | 56.55 | .5 |
| February..... | 401,717 | 20,796 | 1.68 | 32.36 | 1.1 | 20,613 | 3,354 | 8.78 | 53.96 | .5 |
| March..... | 452,869 | 23,107 | 1.69 | 33.19 | 1.1 | 9,017 | 1,461 | 8.59 | 53.01 | .6 |
| April..... | 423,480 | 21,642 | 1.69 | 32.97 | 1.2 | 12,252 | 1,975 | 8.92 | 55.36 | .5 |
| May..... | 427,571 | 21,767 | 1.71 | 33.57 | 1.1 | 11,553 | 1,879 | 9.78 | 60.12 | .5 |
| June..... | 435,191 | 22,679 | 1.74 | 33.39 | 1.0 | 10,249 | 1,684 | 10.74 | 65.37 | .5 |
| July..... | 428,842 | 22,306 | 1.71 | 32.93 | 1.1 | 10,506 | 1,721 | 11.06 | 67.52 | .4 |
| August..... | 464,947 | 24,224 | 1.74 | 33.44 | 1.0 | 9,956 | 1,663 | 11.94 | 71.49 | .3 |
| September..... | 457,966 | 23,642 | 1.72 | 33.26 | 1.1 | 8,764 | 1,432 | 11.62 | 71.07 | .4 |
| October..... | 471,521 | 24,585 | 1.71 | 32.87 | 1.1 | 7,047 | 1,177 | 12.91 | 77.25 | .3 |
| November..... | 425,488 | 22,335 | 1.73 | 32.93 | 1.0 | 6,253 | 1,054 | 13.85 | 82.16 | .4 |
| December..... | 429,062 | 22,625 | 1.78 | 33.66 | 1.0 | 6,641 | 1,093 | 14.06 | 85.45 | .4 |
| Total..... | 5,275,454 | 273,216 | 1.72 | 33.11 | 1.1 | 125,025 | 20,486 | 10.49 | 64.01 | .5 |
| 2008 | | | | | | | | | | |
| January..... | 488,171 | 26,738 | 2.01 | 36.78 | 1.2 | 8,663 | 1,439 | 16.07 | 96.74 | .4 |
| February..... | 429,134 | 22,388 | 1.88 | 35.95 | 1.1 | 5,059 | 848 | 16.11 | 96.05 | .4 |
| March..... | 436,425 | 22,370 | 1.94 | 37.94 | 1.0 | 5,372 | 889 | 15.62 | 94.34 | .4 |
| April..... | 437,485 | 22,524 | 2.00 | 38.78 | 1.1 | 6,711 | 1,113 | 16.51 | 99.52 | .3 |
| May..... | 437,418 | 22,646 | 2.03 | 39.30 | 1.1 | 3,638 | 622 | 22.26 | 130.28 | .5 |
| June..... | 416,021 | 21,371 | 2.08 | 40.54 | 1.2 | 9,634 | 1,576 | 21.60 | 132.06 | .4 |
| July..... | 431,619 | 22,837 | 2.07 | 39.12 | 1.0 | 7,476 | 1,231 | 22.31 | 135.45 | .4 |
| August..... | 479,114 | 25,063 | 2.14 | 40.89 | 1.0 | 5,016 | 837 | 21.43 | 128.47 | .4 |
| September..... | 440,112 | 23,273 | 2.09 | 39.49 | 1.0 | 4,113 | 696 | 19.70 | 116.50 | .4 |
| October..... | 474,504 | 24,703 | 2.10 | 40.36 | 1.1 | 8,063 | 1,320 | 14.35 | 87.67 | .5 |
| November..... | 440,070 | 23,136 | 2.01 | 38.27 | 1.1 | 6,824 | 1,145 | 10.65 | 63.45 | .4 |
| Total..... | 4,910,073 | 257,049 | 2.03 | 38.85 | 1.1 | 70,569 | 11,716 | 17.69 | 106.53 | .4 |
| Year to Date | | | | | | | | | | |
| 2006..... | 4,783,538 | 245,022 | 1.70 | 33.13 | 1.1 | 106,647 | 17,457 | 9.74 | 59.49 | .5 |
| 2007..... | 4,846,392 | 250,591 | 1.71 | 33.06 | 1.1 | 118,384 | 19,393 | 10.29 | 62.80 | .5 |
| 2008..... | 4,910,073 | 257,049 | 2.03 | 38.85 | 1.1 | 70,569 | 11,716 | 17.69 | 106.53 | .4 |
| Rolling 12 Months Ending in November | | | | | | | | | | |
| 2007..... | 5,267,256 | 272,424 | 1.71 | 32.98 | 1.1 | 129,261 | 21,173 | 10.17 | 62.06 | .4 |
| 2008..... | 5,339,135 | 279,673 | 2.01 | 38.43 | 1.1 | 77,210 | 12,808 | 17.37 | 104.73 | .4 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Prior to 2002, these data were not collected from Independent Power Producers.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1994 through November 2008 (Continued)

| Period | Petroleum Coke | | | | | Natural Gas ¹ | | | All Fossil Fuels ² |
|---|----------------|--------------|-------------------------------|---------------|---------------|--------------------------|------------------|-------------------------------|-------------------------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | Average Cost |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | |
| 1994..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1995..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1996..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1997..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1998..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1999..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2000..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2001..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2002..... | 47,805 | 1,639 | 1.03 | 29.98 | 4.9 | 3,198,108 | 3,126,308 | 3.55 | 2.42 |
| 2003..... | 59,377 | 2,086 | .60 | 17.16 | 4.9 | 3,335,086 | 3,244,368 | 5.33 | 3.15 |
| 2004 ³ | 73,745 | 2,609 | .72 | 20.30 | 5.0 | 3,491,942 | 3,403,474 | 5.86 | 3.43 |
| 2005..... | 92,706 | 3,277 | .90 | 25.42 | 5.1 | 3,675,165 | 3,578,722 | 8.20 | 4.69 |
| 2006 | | | | | | | | | |
| January..... | 8,769 | 311 | .84 | 23.77 | 5.2 | 200,874 | 195,734 | 8.62 | 3.95 |
| February..... | 6,479 | 229 | 1.01 | 28.46 | 5.0 | 215,742 | 210,250 | 7.58 | 3.78 |
| March..... | 6,126 | 216 | .99 | 28.14 | 5.0 | 246,622 | 239,907 | 6.88 | 3.58 |
| April..... | 6,543 | 230 | .99 | 28.11 | 5.2 | 252,317 | 245,888 | 6.86 | 3.68 |
| May..... | 7,610 | 270 | 1.00 | 28.27 | 5.4 | 294,638 | 287,200 | 6.35 | 3.58 |
| June..... | 6,579 | 234 | 1.05 | 29.47 | 5.2 | 373,558 | 363,905 | 6.26 | 3.84 |
| July..... | 7,469 | 262 | 1.12 | 31.87 | 5.1 | 530,604 | 517,421 | 6.31 | 4.33 |
| August..... | 6,865 | 240 | 1.20 | 34.33 | 5.1 | 502,301 | 489,628 | 7.24 | 4.64 |
| September..... | 6,899 | 242 | 1.16 | 33.11 | 4.9 | 327,241 | 318,905 | 5.63 | 3.45 |
| October..... | 8,681 | 306 | 1.10 | 31.14 | 5.2 | 314,379 | 306,245 | 5.31 | 3.22 |
| November..... | 6,560 | 232 | 1.18 | 33.40 | 5.2 | 235,557 | 229,512 | 7.05 | 3.66 |
| December..... | 7,345 | 259 | 1.24 | 35.13 | 5.0 | 249,031 | 242,507 | 7.14 | 3.75 |
| Total..... | 85,924 | 3,031 | 1.07 | 30.34 | 5.1 | 3,742,865 | 3,647,102 | 6.66 | 3.82 |
| 2007 | | | | | | | | | |
| January..... | 5,044 | 179 | 1.06 | 29.95 | 4.7 | 271,250 | 264,329 | 6.61 | 3.60 |
| February..... | 3,608 | 126 | .98 | 27.89 | 5.2 | 259,502 | 252,437 | 7.76 | 4.19 |
| March..... | 2,885 | 103 | .96 | 26.93 | 5.1 | 254,991 | 248,108 | 7.19 | 3.72 |
| April..... | 4,273 | 152 | 1.12 | 31.62 | 4.5 | 276,635 | 269,281 | 7.39 | 4.01 |
| May..... | 4,507 | 157 | .97 | 27.97 | 5.0 | 304,554 | 296,520 | 7.60 | 4.23 |
| June..... | 4,705 | 166 | 1.09 | 30.93 | 4.7 | 375,148 | 365,395 | 7.44 | 4.44 |
| July..... | 5,909 | 210 | .99 | 27.82 | 4.9 | 460,353 | 448,243 | 6.58 | 4.29 |
| August..... | 4,491 | 158 | 1.09 | 30.94 | 4.7 | 572,300 | 557,638 | 6.46 | 4.40 |
| September..... | 5,171 | 182 | 1.01 | 28.77 | 4.8 | 406,755 | 396,043 | 5.91 | 3.75 |
| October..... | 5,568 | 196 | .93 | 26.48 | 5.0 | 352,026 | 342,877 | 6.69 | 3.90 |
| November..... | 4,797 | 169 | 1.01 | 28.80 | 5.0 | 264,594 | 257,759 | 6.86 | 3.77 |
| December..... | 5,622 | 197 | 1.03 | 29.20 | 5.1 | 299,717 | 291,917 | 7.59 | 4.23 |
| Total..... | 56,580 | 1,994 | 1.02 | 28.95 | 4.9 | 4,097,825 | 3,990,546 | 6.92 | 4.06 |
| 2008 | | | | | | | | | |
| January..... | 6,162 | 217 | .97 | 27.48 | 5.0 | 321,734 | 313,631 | 8.26 | 4.59 |
| February..... | 3,910 | 137 | .95 | 27.14 | 4.8 | 269,950 | 263,343 | 8.60 | 4.54 |
| March..... | 5,646 | 199 | .92 | 26.08 | 5.3 | 278,041 | 270,955 | 9.35 | 4.87 |
| April..... | 6,537 | 231 | 1.21 | 34.27 | 5.2 | 286,883 | 279,760 | 10.06 | 5.26 |
| May..... | 5,260 | 185 | 1.28 | 36.33 | 5.1 | 267,168 | 260,314 | 10.73 | 5.39 |
| June..... | 6,715 | 236 | 1.26 | 35.87 | 5.1 | 395,814 | 385,146 | 12.67 | 7.37 |
| July..... | 6,508 | 230 | 1.34 | 37.88 | 5.1 | 476,932 | 464,525 | 11.99 | 7.36 |
| August..... | 3,102 | 108 | 1.83 | 52.68 | 4.5 | 453,831 | 441,995 | 9.09 | 5.59 |
| September..... | 4,318 | 151 | 1.60 | 45.69 | 4.8 | 364,488 | 354,372 | 7.56 | 4.63 |
| October..... | 4,575 | 161 | 1.49 | 42.35 | 5.1 | 323,334 | 314,573 | 6.44 | 3.95 |
| November..... | 5,636 | 200 | 1.28 | 36.09 | 5.2 | 274,839 | 267,649 | 6.24 | 3.69 |
| Total..... | 58,369 | 2,056 | 1.26 | 35.67 | 5.1 | 3,713,016 | 3,616,264 | 9.36 | 5.26 |
| Year to Date | | | | | | | | | |
| 2006..... | 78,579 | 2,772 | 1.05 | 29.89 | 5.1 | 3,493,834 | 3,404,595 | 6.63 | 3.83 |
| 2007..... | 50,957 | 1,796 | 1.02 | 28.92 | 4.9 | 3,798,108 | 3,698,629 | 6.87 | 4.04 |
| 2008..... | 58,369 | 2,056 | 1.26 | 35.67 | 5.1 | 3,713,016 | 3,616,264 | 9.36 | 5.26 |
| Rolling 12 Months Ending in November | | | | | | | | | |
| 2007..... | 58,302 | 2,055 | 1.05 | 29.70 | 4.9 | 4,047,139 | 3,941,136 | 6.89 | 4.02 |
| 2008..... | 63,991 | 2,254 | 1.24 | 35.10 | 5.1 | 4,012,732 | 3,908,181 | 9.22 | 5.18 |

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

³ Prior to 2002, these data were not collected from Independent Power Producers.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1994 through November 2008

| Period | Coal | | | | | Petroleum Liquids ¹ | | | | |
|---|---------------|-------------|-------------------------------|---------------|---------------|--------------------------------|----------------|-------------------------------|------------------|---------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | | Avg. Sulfur % |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 barrels) | (dollars/10 ⁶ Btu) | (dollars/barrel) | |
| 1994..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1995..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1996..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1997..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1998..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1999..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2000..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2001..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2002..... | 9,580 | 399 | 2.10 | 50.44 | 2.6 | 503 | 91 | 5.38 | 29.73 | * |
| 2003 ² | 8,835 | 372 | 1.99 | 47.24 | 2.4 | 248 | 43 | 7.00 | 40.82 | * |
| 2004..... | 10,682 | 451 | 2.08 | 49.32 | 2.5 | 3,066 | 527 | 6.19 | 35.96 | .2 |
| 2005..... | 11,081 | 464 | 2.57 | 61.21 | 2.4 | 1,684 | 289 | 8.28 | 48.22 | .2 |
| 2006 | | | | | | | | | | |
| January..... | 1,440 | 60 | 2.57 | 61.45 | 2.5 | 71 | 12 | 13.48 | 78.40 | .2 |
| February..... | 1,013 | 42 | 2.65 | 63.36 | 2.4 | 177 | 30 | 13.85 | 80.79 | .1 |
| March..... | 875 | 38 | 2.39 | 54.69 | 3.0 | 72 | 12 | 14.19 | 82.55 | .2 |
| April..... | 632 | 27 | 2.65 | 62.05 | 2.5 | 70 | 12 | 14.19 | 82.54 | .2 |
| May..... | 896 | 38 | 2.65 | 62.65 | 2.6 | 56 | 10 | 13.12 | 76.33 | .2 |
| June..... | 1,084 | 47 | 2.56 | 59.39 | 2.7 | 124 | 21 | 13.36 | 77.99 | .2 |
| July..... | 805 | 35 | 2.42 | 56.24 | 2.8 | 50 | 9 | 12.58 | 73.23 | .3 |
| August..... | 1,310 | 55 | 2.57 | 61.04 | 2.5 | 35 | 6 | 12.68 | 73.81 | .3 |
| September..... | 796 | 34 | 2.60 | 61.00 | 2.5 | 13 | 2 | 12.60 | 73.39 | .3 |
| October..... | 988 | 41 | 2.94 | 70.65 | 2.1 | 89 | 15 | 13.09 | 76.73 | .1 |
| November..... | 1,093 | 47 | 2.73 | 64.07 | 2.4 | 23 | 4 | 12.90 | 75.01 | .2 |
| December..... | 1,274 | 54 | 2.77 | 64.95 | 2.4 | 18 | 3 | 14.51 | 84.32 | .1 |
| Total..... | 12,207 | 518 | 2.63 | 61.95 | 2.5 | 798 | 137 | 13.50 | 78.70 | .2 |
| 2007 | | | | | | | | | | |
| January..... | 1,315 | 56 | 2.65 | 62.79 | 2.3 | 48 | 8 | 10.70 | 62.28 | .2 |
| February..... | 1,318 | 56 | 2.84 | 67.15 | 2.3 | 18 | 3 | 11.58 | 67.47 | .3 |
| March..... | 1,046 | 45 | 2.78 | 65.16 | 2.4 | 34 | 6 | 13.00 | 75.66 | .1 |
| April..... | 897 | 39 | 2.55 | 58.74 | 2.8 | 19 | 3 | 14.18 | 82.67 | .1 |
| May..... | 957 | 41 | 2.62 | 60.84 | 2.8 | 25 | 4 | 14.62 | 85.17 | .3 |
| June..... | 798 | 34 | 2.60 | 60.25 | 2.8 | 72 | 12 | 15.52 | 90.91 | .1 |
| July..... | 1,324 | 56 | 2.70 | 63.95 | 2.7 | 6 | 1 | 15.97 | 93.14 | .1 |
| August..... | 1,028 | 45 | 2.47 | 56.68 | 2.9 | 7 | 1 | 15.75 | 92.05 | .2 |
| September..... | 1,019 | 43 | 2.78 | 66.19 | 2.5 | 7 | 1 | 15.94 | 93.20 | .1 |
| October..... | 952 | 41 | 2.76 | 64.71 | 2.4 | 2 | * | 16.40 | 96.01 | .3 |
| November..... | 978 | 42 | 2.69 | 62.48 | 2.5 | 4 | 1 | 20.20 | 118.15 | .1 |
| December..... | 786 | 35 | 2.51 | 57.08 | 2.9 | 8 | 1 | 19.80 | 115.56 | .1 |
| Total..... | 12,419 | 531 | 2.67 | 62.46 | 2.6 | 249 | 43 | 14.04 | 81.93 | .2 |
| 2008 | | | | | | | | | | |
| January..... | 889 | 39 | 2.68 | 60.97 | 2.5 | 28 | 5 | 17.91 | 104.05 | * |
| February..... | 730 | 32 | 2.63 | 59.63 | 2.7 | 17 | 3 | 17.50 | 101.18 | .1 |
| March..... | 879 | 37 | 2.77 | 65.07 | 2.3 | 18 | 3 | 20.23 | 117.74 | * |
| April..... | 811 | 34 | 2.89 | 69.24 | 2.2 | 15 | 3 | 20.17 | 117.43 | .1 |
| May..... | 762 | 32 | 2.72 | 65.01 | 2.3 | 23 | 4 | 21.23 | 122.85 | .2 |
| June..... | 956 | 41 | 2.77 | 65.04 | 2.2 | 16 | 3 | 20.79 | 121.40 | .1 |
| July..... | 1,469 | 60 | 3.12 | 76.30 | 2.0 | 18 | 3 | 24.07 | 140.06 | .2 |
| August..... | 1,112 | 46 | 3.23 | 77.45 | 2.5 | 14 | 2 | 22.20 | 128.76 | .2 |
| September..... | 1,203 | 50 | 3.91 | 94.54 | 2.1 | 12 | 2 | 21.87 | 127.44 | .1 |
| October..... | 882 | 36 | 3.48 | 84.43 | 2.1 | 47 | 8 | 16.56 | 96.14 | .2 |
| November..... | 879 | 36 | 3.49 | 85.12 | 2.3 | 28 | 5 | 15.10 | 87.66 | .2 |
| Total..... | 10,572 | 444 | 3.10 | 73.96 | 2.3 | 236 | 41 | 19.04 | 110.60 | .1 |
| Year to Date | | | | | | | | | | |
| 2006..... | 10,933 | 464 | 2.61 | 61.60 | 2.5 | 780 | 134 | 13.48 | 78.57 | .2 |
| 2007..... | 11,633 | 497 | 2.68 | 62.84 | 2.6 | 241 | 41 | 13.84 | 80.75 | .2 |
| 2008..... | 10,572 | 444 | 3.10 | 73.96 | 2.3 | 236 | 41 | 19.04 | 110.60 | .1 |
| Rolling 12 Months Ending in November | | | | | | | | | | |
| 2007..... | 12,906 | 551 | 2.69 | 63.05 | 2.5 | 259 | 44 | 13.88 | 81.00 | .2 |
| 2008..... | 11,358 | 478 | 3.06 | 72.74 | 2.3 | 245 | 42 | 19.07 | 110.77 | .1 |

¹ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

² Prior to 2002, these data were not collected from the Commercial Sector.

NA = Not available.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1994 through November 2008 (Continued)

| Period | Petroleum Coke | | | | | Natural Gas ¹ | | | All Fossil Fuels ² |
|---|----------------|-------------|-------------------------------|---------------|---------------|--------------------------|---------------|-------------------------------|-------------------------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | Average Cost |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | |
| 1994..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1995..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1996..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1997..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1998..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1999..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2000..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2001..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2002..... | NA | NA | NA | NA | NA | 18,671 | 18,256 | 3.44 | 3.03 |
| 2003..... | NA | NA | NA | NA | NA | 18,169 | 17,827 | 4.96 | 4.02 |
| 2004 ³ | NA | NA | NA | NA | NA | 16,176 | 15,804 | 5.93 | 4.58 |
| 2005..... | NA | NA | NA | NA | NA | 17,600 | 17,142 | 8.38 | 6.25 |
| 2006 | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 1,855 | 1,805 | 10.37 | 7.10 |
| February..... | -- | -- | -- | -- | -- | 1,807 | 1,759 | 9.98 | 7.73 |
| March..... | -- | -- | -- | -- | -- | 1,798 | 1,751 | 9.22 | 7.18 |
| April..... | -- | -- | -- | -- | -- | 1,662 | 1,620 | 7.95 | 6.72 |
| May..... | -- | -- | -- | -- | -- | 1,751 | 1,707 | 7.58 | 6.06 |
| June..... | -- | -- | -- | -- | -- | 1,685 | 1,639 | 7.69 | 6.01 |
| July..... | -- | -- | -- | -- | -- | 1,919 | 1,872 | 7.42 | 6.06 |
| August..... | -- | -- | -- | -- | -- | 1,815 | 1,769 | 8.14 | 5.88 |
| September..... | -- | -- | -- | -- | -- | 1,743 | 1,702 | 7.36 | 5.90 |
| October..... | -- | -- | -- | -- | -- | 1,876 | 1,827 | 7.25 | 5.98 |
| November..... | -- | -- | -- | -- | -- | 1,621 | 1,578 | 8.31 | 6.12 |
| December..... | -- | -- | -- | -- | -- | 1,839 | 1,791 | 8.57 | 6.24 |
| Total..... | -- | -- | -- | -- | -- | 21,369 | 20,819 | 8.33 | 6.42 |
| 2007 | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 2,177 | 2,125 | 8.69 | 6.47 |
| February..... | -- | -- | -- | -- | -- | 2,267 | 2,209 | 9.29 | 6.94 |
| March..... | -- | -- | -- | -- | -- | 2,134 | 2,082 | 8.65 | 6.78 |
| April..... | -- | -- | -- | -- | -- | 1,855 | 1,809 | 7.97 | 6.25 |
| May..... | -- | -- | -- | -- | -- | 1,804 | 1,759 | 7.77 | 6.06 |
| June..... | -- | -- | -- | -- | -- | 1,770 | 1,732 | 7.87 | 6.49 |
| July..... | -- | -- | -- | -- | -- | 1,863 | 1,821 | 7.05 | 5.26 |
| August..... | -- | -- | -- | -- | -- | 2,076 | 2,029 | 7.16 | 5.63 |
| September..... | -- | -- | -- | -- | -- | 1,822 | 1,781 | 6.84 | 5.41 |
| October..... | -- | -- | -- | -- | -- | 1,876 | 1,837 | 7.36 | 5.82 |
| November..... | -- | -- | -- | -- | -- | 1,758 | 1,720 | 7.66 | 5.90 |
| December..... | -- | -- | -- | -- | -- | 2,100 | 2,051 | 8.98 | 7.26 |
| Total..... | -- | -- | -- | -- | -- | 23,502 | 22,955 | 7.99 | 6.20 |
| 2008 | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 2,388 | 2,315 | 9.15 | 7.48 |
| February..... | -- | -- | -- | -- | -- | 2,256 | 2,183 | 9.55 | 7.92 |
| March..... | -- | -- | -- | -- | -- | 2,111 | 2,041 | 10.13 | 8.04 |
| April..... | -- | -- | -- | -- | -- | 1,814 | 1,774 | 10.43 | 8.17 |
| May..... | -- | -- | -- | -- | -- | 1,508 | 1,474 | 11.15 | 8.45 |
| June..... | -- | -- | -- | -- | -- | 1,483 | 1,448 | 11.65 | 8.25 |
| July..... | -- | -- | -- | -- | -- | 1,595 | 1,560 | 11.49 | 7.57 |
| August..... | -- | -- | -- | -- | -- | 1,699 | 1,661 | 8.72 | 6.63 |
| September..... | -- | -- | -- | -- | -- | 1,634 | 1,599 | 8.60 | 6.68 |
| October..... | -- | -- | -- | -- | -- | 1,895 | 1,854 | 8.65 | 7.17 |
| November..... | -- | -- | -- | -- | -- | 1,850 | 1,811 | 8.61 | 7.04 |
| Total..... | -- | -- | -- | -- | -- | 20,232 | 19,717 | 9.75 | 7.56 |
| Year to Date | | | | | | | | | |
| 2006..... | -- | -- | -- | -- | -- | 19,531 | 19,028 | 8.30 | 6.44 |
| 2007..... | -- | -- | -- | -- | -- | 21,401 | 20,904 | 7.89 | 6.11 |
| 2008..... | -- | -- | -- | -- | -- | 20,232 | 19,717 | 9.75 | 7.56 |
| Rolling 12 Months Ending in November | | | | | | | | | |
| 2007..... | -- | -- | -- | -- | -- | 23,240 | 22,695 | 7.94 | 6.12 |
| 2008..... | -- | -- | -- | -- | -- | 22,332 | 21,769 | 9.68 | 7.53 |

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

³ Prior to 2002, these data were not collected from the Commercial Sector.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1994 through November 2008

| Period | Coal ¹ | | | | | Petroleum Liquids ² | | | | |
|---|-------------------|---------------|-------------------------------|---------------|---------------|--------------------------------|----------------|-------------------------------|------------------|---------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | | Avg. Sulfur % |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 barrels) | (dollars/10 ⁶ Btu) | (dollars/barrel) | |
| 1994..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1995..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1996..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1997..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1998..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1999..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2000..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2001..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2002..... | 294,234 | 13,659 | 1.45 | 31.29 | 1.6 | 29,137 | 4,638 | 3.55 | 22.33 | 1.2 |
| 2003 ³ | 322,547 | 15,076 | 1.45 | 31.01 | 1.4 | 27,538 | 4,624 | 4.85 | 28.86 | 1.3 |
| 2004..... | 326,495 | 15,324 | 1.63 | 34.79 | 1.4 | 25,491 | 4,107 | 4.98 | 30.93 | 1.4 |
| 2005..... | 339,968 | 16,011 | 1.94 | 41.17 | 1.4 | 36,383 | 5,876 | 6.64 | 41.13 | 1.4 |
| 2006 | | | | | | | | | | |
| January..... | 25,270 | 1,210 | 2.03 | 42.49 | 1.6 | 2,321 | 369 | 8.02 | 50.47 | 1.4 |
| February..... | 24,774 | 1,173 | 2.03 | 42.81 | 1.5 | 2,045 | 324 | 7.80 | 49.27 | 1.5 |
| March..... | 24,879 | 1,173 | 2.02 | 42.84 | 1.6 | 1,975 | 313 | 7.58 | 47.84 | 1.5 |
| April..... | 25,136 | 1,198 | 2.01 | 42.15 | 1.5 | 1,223 | 195 | 7.60 | 47.71 | 1.5 |
| May..... | 28,822 | 1,348 | 2.06 | 44.02 | 1.4 | 1,551 | 263 | 7.46 | 43.89 | 1.2 |
| June..... | 27,832 | 1,315 | 2.02 | 42.66 | 1.5 | 1,227 | 210 | 7.51 | 43.78 | 1.1 |
| July..... | 25,596 | 1,215 | 2.03 | 42.78 | 1.5 | 1,443 | 251 | 7.62 | 43.91 | 1.1 |
| August..... | 29,128 | 1,397 | 2.01 | 41.88 | 1.4 | 1,898 | 338 | 7.79 | 43.68 | 1.0 |
| September..... | 28,149 | 1,324 | 2.06 | 43.80 | 1.4 | 1,346 | 234 | 7.33 | 42.22 | 1.2 |
| October..... | 28,397 | 1,357 | 1.99 | 41.60 | 1.4 | 1,302 | 211 | 7.00 | 43.27 | 1.3 |
| November..... | 27,505 | 1,309 | 2.11 | 44.40 | 1.4 | 1,396 | 223 | 7.37 | 46.25 | 1.4 |
| December..... | 25,151 | 1,189 | 1.96 | 41.50 | 1.5 | 1,786 | 285 | 7.31 | 45.89 | 1.3 |
| Total..... | 320,640 | 15,208 | 2.03 | 42.76 | 1.5 | 19,514 | 3,214 | 7.57 | 45.95 | 1.3 |
| 2007 | | | | | | | | | | |
| January..... | 22,542 | 998 | 2.23 | 50.42 | 1.4 | 4,164 | 665 | 6.88 | 43.03 | 1.4 |
| February..... | 22,716 | 997 | 2.25 | 51.34 | 1.5 | 3,810 | 608 | 7.00 | 43.85 | 1.4 |
| March..... | 25,818 | 1,162 | 2.14 | 47.62 | 1.4 | 3,862 | 623 | 7.21 | 44.72 | 1.4 |
| April..... | 26,279 | 1,172 | 2.14 | 48.06 | 1.4 | 3,477 | 586 | 7.48 | 44.34 | 1.2 |
| May..... | 26,509 | 1,180 | 2.21 | 49.62 | 1.4 | 2,816 | 489 | 7.98 | 46.02 | 1.2 |
| June..... | 26,470 | 1,185 | 2.18 | 48.80 | 1.3 | 2,316 | 391 | 8.72 | 51.63 | 1.2 |
| July..... | 26,838 | 1,202 | 2.15 | 47.97 | 1.3 | 2,206 | 370 | 9.12 | 54.41 | 1.2 |
| August..... | 26,993 | 1,208 | 2.16 | 48.31 | 1.3 | 2,204 | 372 | 8.85 | 52.48 | 1.2 |
| September..... | 24,346 | 1,077 | 2.29 | 51.65 | 1.3 | 2,210 | 356 | 9.62 | 59.69 | 1.3 |
| October..... | 24,383 | 1,095 | 2.18 | 48.64 | 1.4 | 2,061 | 332 | 10.38 | 64.53 | 1.4 |
| November..... | 24,981 | 1,127 | 2.19 | 48.48 | 1.4 | 1,980 | 316 | 11.33 | 70.94 | 1.5 |
| December..... | 25,215 | 1,137 | 2.24 | 49.68 | 1.3 | 2,531 | 406 | 12.04 | 75.11 | 1.5 |
| Total..... | 303,091 | 13,540 | 2.19 | 49.16 | 1.4 | 33,637 | 5,514 | 8.53 | 52.06 | 1.3 |
| 2008 | | | | | | | | | | |
| January..... | 26,640 | 1,193 | 2.27 | 50.77 | 1.5 | 2,724 | 434 | 12.45 | 78.13 | 1.4 |
| February..... | 24,965 | 1,125 | 2.37 | 52.70 | 1.4 | 2,078 | 332 | 12.86 | 80.61 | 1.3 |
| March..... | 26,465 | 1,222 | 2.34 | 50.61 | 1.4 | 2,132 | 347 | 13.18 | 80.92 | 1.3 |
| April..... | 27,187 | 1,225 | 2.42 | 53.70 | 1.4 | 2,623 | 418 | 13.08 | 82.07 | 1.3 |
| May..... | 26,748 | 1,216 | 2.46 | 54.12 | 1.4 | 2,183 | 348 | 14.59 | 91.56 | 1.3 |
| June..... | 25,786 | 1,162 | 2.52 | 55.83 | 1.4 | 2,070 | 330 | 15.83 | 99.39 | 1.3 |
| July..... | 27,076 | 1,224 | 2.73 | 60.38 | 1.4 | 2,555 | 409 | 19.55 | 122.18 | 1.3 |
| August..... | 27,230 | 1,226 | 2.93 | 65.16 | 1.4 | 2,629 | 419 | 18.34 | 115.15 | 1.3 |
| September..... | 26,675 | 1,217 | 3.02 | 66.29 | 1.4 | 2,310 | 380 | 16.42 | 99.83 | 1.1 |
| October..... | 26,277 | 1,209 | 3.00 | 65.22 | 1.4 | 1,612 | 263 | 12.11 | 74.23 | 1.0 |
| November..... | 26,154 | 1,194 | 3.08 | 67.53 | 1.4 | 1,951 | 316 | 9.06 | 55.91 | 1.3 |
| Total..... | 291,202 | 13,213 | 2.65 | 58.44 | 1.4 | 24,868 | 3,995 | 14.52 | 90.35 | 1.3 |
| Year to Date | | | | | | | | | | |
| 2006..... | 295,489 | 14,019 | 2.03 | 42.86 | 1.5 | 17,727 | 2,930 | 7.60 | 45.96 | 1.3 |
| 2007..... | 277,876 | 12,402 | 2.19 | 49.11 | 1.4 | 31,105 | 5,108 | 8.25 | 50.23 | 1.3 |
| 2008..... | 291,202 | 13,213 | 2.65 | 58.44 | 1.4 | 24,868 | 3,995 | 14.52 | 90.35 | 1.3 |
| Rolling 12 Months Ending in November | | | | | | | | | | |
| 2007..... | 303,027 | 13,591 | 2.17 | 48.44 | 1.4 | 32,892 | 5,392 | 8.20 | 50.00 | 1.3 |
| 2008..... | 316,417 | 14,351 | 2.62 | 57.74 | 1.4 | 27,399 | 4,401 | 14.29 | 88.95 | 1.3 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Prior to 2002, these data were not collected from the Industrial Sector.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1994 through November 2008 (Continued)

| Period | Petroleum Coke | | | | | Natural Gas ¹ | | | All Fossil Fuels ² |
|---|----------------|-------------|-------------------------------|---------------|---------------|--------------------------|----------------|-------------------------------|-------------------------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Receipts | | Average Cost | Average Cost |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | |
| 1994..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1995..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1996..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1997..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1998..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1999..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2000..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2001..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2002..... | 3,846 | 138 | .76 | 21.20 | 5.9 | 852,547 | 828,439 | 3.36 | 2.88 |
| 2003..... | 16,383 | 594 | 1.04 | 28.74 | 5.7 | 823,681 | 798,996 | 5.32 | 4.20 |
| 2004 ³ | 14,876 | 540 | .98 | 27.01 | 5.6 | 839,886 | 814,843 | 6.04 | 4.76 |
| 2005..... | 16,620 | 594 | 1.21 | 33.75 | 5.4 | 828,882 | 805,132 | 8.00 | 6.18 |
| 2006 | | | | | | | | | |
| January..... | 2,351 | 85 | 1.47 | 40.69 | 5.5 | 72,492 | 70,355 | 9.96 | 7.76 |
| February..... | 1,546 | 56 | 1.36 | 37.25 | 5.4 | 65,536 | 63,491 | 8.06 | 6.35 |
| March..... | 1,416 | 52 | 1.37 | 37.50 | 5.6 | 71,864 | 69,834 | 7.17 | 5.81 |
| April..... | 1,301 | 47 | 1.47 | 40.56 | 5.7 | 68,414 | 66,323 | 7.12 | 5.71 |
| May..... | 1,662 | 60 | 1.63 | 45.34 | 5.5 | 72,528 | 70,433 | 6.99 | 5.55 |
| June..... | 1,168 | 43 | 1.55 | 42.55 | 5.3 | 69,977 | 68,103 | 6.05 | 4.90 |
| July..... | 1,366 | 49 | 1.73 | 48.17 | 5.5 | 74,152 | 71,950 | 6.01 | 4.98 |
| August..... | 1,615 | 58 | 1.80 | 50.52 | 5.0 | 75,003 | 73,075 | 6.92 | 5.53 |
| September..... | 1,066 | 40 | 1.71 | 45.25 | 5.1 | 70,954 | 68,928 | 6.57 | 5.28 |
| October..... | 769 | 28 | 1.62 | 44.47 | 5.4 | 81,283 | 78,921 | 4.83 | 4.11 |
| November..... | 1,689 | 61 | 1.84 | 50.93 | 5.5 | 71,938 | 69,840 | 7.18 | 5.74 |
| December..... | 1,927 | 67 | 1.93 | 55.21 | 5.8 | 75,017 | 72,960 | 7.68 | 6.18 |
| Total..... | 17,875 | 646 | 1.63 | 45.05 | 5.4 | 869,157 | 844,211 | 7.02 | 5.64 |
| 2007 | | | | | | | | | |
| January..... | 1,476 | 53 | 1.91 | 53.51 | 5.7 | 79,406 | 77,126 | 6.29 | 5.41 |
| February..... | 1,280 | 46 | 1.85 | 51.86 | 5.7 | 69,819 | 67,730 | 7.35 | 6.08 |
| March..... | 1,226 | 44 | 1.84 | 51.68 | 5.7 | 72,880 | 70,966 | 7.41 | 6.03 |
| April..... | 1,514 | 54 | 2.04 | 57.05 | 5.8 | 71,132 | 69,201 | 7.39 | 5.97 |
| May..... | 1,601 | 57 | 1.92 | 54.19 | 5.9 | 75,565 | 73,364 | 7.60 | 6.18 |
| June..... | 1,751 | 62 | 1.99 | 55.88 | 5.3 | 73,065 | 70,793 | 7.66 | 6.19 |
| July..... | 2,046 | 73 | 1.37 | 38.38 | 5.2 | 74,980 | 72,807 | 7.07 | 5.76 |
| August..... | 1,882 | 67 | 2.14 | 60.57 | 5.8 | 78,623 | 76,192 | 6.26 | 5.24 |
| September..... | 1,992 | 69 | 2.22 | 63.61 | 5.2 | 72,468 | 70,340 | 5.76 | 4.94 |
| October..... | 1,244 | 44 | 2.13 | 60.27 | 5.6 | 74,965 | 72,903 | 6.46 | 5.47 |
| November..... | 1,489 | 53 | 2.14 | 60.43 | 5.6 | 73,707 | 71,707 | 7.16 | 5.95 |
| December..... | 2,200 | 77 | 2.05 | 58.49 | 5.3 | 80,193 | 78,050 | 7.32 | 6.16 |
| Total..... | 19,700 | 698 | 1.96 | 55.42 | 5.5 | 896,803 | 871,178 | 6.97 | 5.78 |
| 2008 | | | | | | | | | |
| January..... | 1,433 | 50 | 1.95 | 55.78 | 5.9 | 79,623 | 77,405 | 7.49 | 6.28 |
| February..... | 1,027 | 36 | 2.00 | 56.28 | 5.8 | 71,151 | 69,227 | 8.21 | 6.78 |
| March..... | 1,260 | 44 | 1.90 | 54.07 | 6.0 | 71,273 | 69,235 | 9.03 | 7.28 |
| April..... | 1,394 | 49 | 2.35 | 66.75 | 5.6 | 74,398 | 72,186 | 9.65 | 7.78 |
| May..... | 1,410 | 50 | 2.57 | 72.68 | 5.2 | 79,941 | 77,691 | 10.85 | 8.78 |
| June..... | 1,823 | 65 | 3.18 | 89.00 | 5.4 | 91,158 | 88,490 | 11.76 | 9.72 |
| July..... | 2,034 | 73 | 3.13 | 87.78 | 4.7 | 90,461 | 87,905 | 12.39 | 10.24 |
| August..... | 1,913 | 68 | 3.42 | 95.99 | 5.1 | 91,644 | 89,093 | 9.30 | 8.00 |
| September..... | 1,271 | 45 | 3.44 | 97.65 | 5.2 | 73,788 | 71,835 | 8.46 | 7.18 |
| October..... | 1,779 | 63 | 3.50 | 99.09 | 5.7 | 79,666 | 77,688 | 7.52 | 6.44 |
| November..... | 1,253 | 45 | 3.40 | 95.55 | 5.4 | 72,911 | 70,919 | 6.42 | 5.58 |
| Total..... | 16,598 | 588 | 2.87 | 81.16 | 5.4 | 876,014 | 851,673 | 9.30 | 7.72 |
| Year to Date | | | | | | | | | |
| 2006..... | 15,948 | 579 | 1.59 | 43.87 | 5.4 | 794,140 | 771,251 | 6.95 | 5.59 |
| 2007..... | 17,499 | 621 | 1.95 | 55.04 | 5.6 | 816,610 | 793,128 | 6.94 | 5.74 |
| 2008..... | 16,598 | 588 | 2.87 | 81.16 | 5.4 | 876,014 | 851,673 | 9.30 | 7.72 |
| Rolling 12 Months Ending in November | | | | | | | | | |
| 2007..... | 19,427 | 688 | 1.95 | 55.06 | 5.6 | 891,627 | 866,088 | 7.00 | 5.78 |
| 2008..... | 18,798 | 665 | 2.78 | 78.53 | 5.4 | 956,207 | 929,723 | 9.13 | 7.59 |

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

³ Prior to 2002, these data were not collected from the Industrial Sector.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 and prior years are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|-----------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|-----------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 651 | 483 | 34.8 | 142 | 89 | 504 | 383 | -- | -- | 5 | 11 |
| Connecticut..... | 140 | 73 | 90.8 | -- | -- | 140 | 73 | -- | -- | -- | -- |
| Maine..... | 7 | 21 | -67.5 | -- | -- | 2 | 10 | -- | -- | 5 | 11 |
| Massachusetts..... | 362 | 299 | 21.0 | -- | -- | 362 | 299 | -- | -- | -- | -- |
| New Hampshire..... | 142 | 89 | 59.0 | 142 | 89 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 5,648 | 5,296 | 6.7 | 9 | 70 | 5,508 | 5,096 | -- | -- | 131 | 130 |
| New Jersey..... | 417 | 334 | 24.7 | 2 | -- | 414 | 334 | -- | -- | -- | -- |
| New York..... | 784 | 889 | -11.8 | 7 | 70 | 755 | 781 | -- | -- | 22 | 38 |
| Pennsylvania..... | 4,448 | 4,072 | 9.2 | -- | -- | 4,339 | 3,981 | -- | -- | 109 | 91 |
| East North Central | 21,855 | 19,488 | 12.1 | 14,753 | 13,074 | 6,724 | 6,030 | 26 | 27 | 351 | 357 |
| Illinois..... | 5,559 | 5,031 | 10.5 | 199 | 425 | 5,107 | 4,337 | 9 | 9 | 245 | 260 |
| Indiana..... | 5,623 | 4,756 | 18.2 | 5,363 | 4,396 | 260 | 360 | -- | -- | -- | -- |
| Michigan..... | 3,592 | 3,236 | 11.0 | 3,541 | 3,172 | 22 | 35 | 17 | 18 | 11 | 11 |
| Ohio..... | 4,772 | 4,450 | 7.2 | 3,410 | 3,125 | 1,333 | 1,298 | -- | -- | 29 | 27 |
| Wisconsin..... | 2,308 | 2,016 | 14.5 | 2,241 | 1,956 | 2 | -- | -- | -- | 66 | 60 |
| West North Central ... | 12,823 | 12,570 | 2.0 | 12,654 | 12,408 | -- | -- | 10 | 15 | 160 | 148 |
| Iowa..... | 2,261 | 1,717 | 31.7 | 2,144 | 1,635 | -- | -- | -- | -- | 117 | 82 |
| Kansas..... | 1,564 | 2,041 | -23.4 | 1,564 | 2,041 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 1,599 | 1,676 | -4.6 | 1,556 | 1,610 | -- | -- | -- | -- | 43 | 66 |
| Missouri..... | 4,078 | 3,996 | 2.1 | 4,068 | 3,981 | -- | -- | 10 | 15 | -- | -- |
| Nebraska..... | 1,033 | 1,198 | -13.8 | 1,033 | 1,198 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 2,111 | 1,943 | 8.7 | 2,111 | 1,943 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | 178 | -- | -- | 178 | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 14,640 | 14,941 | -2.0 | 12,018 | 12,547 | 2,383 | 2,210 | -- | -- | 239 | 184 |
| Delaware..... | 156 | 151 | 3.8 | -- | -- | 156 | 151 | -- | -- | -- | -- |
| District of Columbia.... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 2,513 | 2,375 | 5.8 | 2,314 | 2,207 | 179 | 146 | -- | -- | 19 | 22 |
| Georgia..... | 3,266 | 3,373 | -3.2 | 3,199 | 3,326 | -- | -- | -- | -- | 67 | 47 |
| Maryland..... | 797 | 960 | -16.9 | -- | -- | 760 | 960 | -- | -- | 37 | -- |
| North Carolina..... | 2,604 | 2,487 | 4.7 | 2,449 | 2,375 | 105 | 74 | -- | -- | 50 | 39 |
| South Carolina..... | 1,259 | 1,282 | -1.8 | 1,232 | 1,256 | 1 | -- | -- | -- | 26 | 26 |
| Virginia..... | 957 | 1,276 | -25.0 | 678 | 1,082 | 261 | 181 | -- | -- | 18 | 12 |
| West Virginia..... | 3,088 | 3,038 | 1.6 | 2,145 | 2,301 | 920 | 699 | -- | -- | 23 | 38 |
| East South Central..... | 9,915 | 8,971 | 10.5 | 9,274 | 8,341 | 475 | 484 | -- | -- | 166 | 146 |
| Alabama..... | 2,980 | 3,134 | -4.9 | 2,964 | 3,124 | -- | -- | -- | -- | 16 | 10 |
| Kentucky..... | 3,798 | 2,920 | 30.0 | 3,445 | 2,555 | 353 | 365 | -- | -- | -- | -- |
| Mississippi..... | 508 | 418 | 21.4 | 386 | 300 | 122 | 118 | -- | -- | -- | -- |
| Tennessee..... | 2,630 | 2,499 | 5.3 | 2,480 | 2,362 | -- | -- | -- | -- | 151 | 136 |
| West South Central ... | 12,759 | 13,669 | -6.7 | 6,938 | 7,305 | 5,779 | 6,306 | -- | -- | 42 | 58 |
| Arkansas..... | 1,472 | 1,287 | 14.4 | 1,472 | 1,287 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 1,278 | 1,519 | -15.9 | 633 | 811 | 645 | 708 | -- | -- | -- | -- |
| Oklahoma..... | 1,901 | 2,129 | -10.7 | 1,719 | 1,955 | 139 | 116 | -- | -- | 42 | 58 |
| Texas..... | 8,109 | 8,734 | -7.2 | 3,114 | 3,252 | 4,994 | 5,482 | -- | -- | -- | -- |
| Mountain | 10,095 | 9,747 | 3.6 | 8,851 | 8,573 | 1,207 | 1,135 | -- | -- | 37 | 39 |
| Arizona..... | 2,052 | 1,671 | 22.8 | 2,015 | 1,632 | -- | -- | -- | -- | 37 | 39 |
| Colorado..... | 1,788 | 1,730 | 3.4 | 1,788 | 1,730 | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 1,027 | 1,076 | -4.5 | 29 | 26 | 998 | 1,050 | -- | -- | -- | -- |
| Nevada..... | 231 | 272 | -15.0 | 154 | 272 | 77 | -- | -- | -- | -- | -- |
| New Mexico..... | 1,403 | 1,306 | 7.4 | 1,403 | 1,306 | -- | -- | -- | -- | -- | -- |
| Utah..... | 1,519 | 1,279 | 18.8 | 1,476 | 1,239 | 42 | 40 | -- | -- | * | -- |
| Wyoming..... | 2,076 | 2,413 | -14.0 | 1,986 | 2,368 | 90 | 45 | -- | -- | -- | -- |
| Pacific Contiguous | 866 | 927 | -6.6 | 248 | 242 | 556 | 631 | -- | -- | 62 | 55 |
| California..... | 129 | 97 | 33.3 | -- | -- | 76 | 49 | -- | -- | 53 | 48 |
| Oregon..... | 248 | 242 | 2.8 | 248 | 242 | -- | -- | -- | -- | -- | -- |
| Washington..... | 489 | 589 | -17.0 | -- | -- | 479 | 582 | -- | -- | 9 | 7 |
| Pacific Noncontiguous..... | -- | 61 | -100.0 | -- | -- | -- | 61 | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | 61 | -100.0 | -- | -- | -- | 61 | -- | -- | -- | -- |
| U.S. Total..... | 89,253 | 86,153 | 3.6 | 64,887 | 62,648 | 23,136 | 22,335 | 36 | 42 | 1,194 | 1,127 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, 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;" 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 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 7,375 | 7,904 | -6.7 | 1,320 | 1,401 | 5,949 | 6,385 | -- | -- | 105 | 118 |
| Connecticut | 1,865 | 1,867 | -1 | -- | -- | 1,865 | 1,867 | -- | -- | -- | -- |
| Maine | 223 | 239 | -6.5 | -- | -- | 118 | 121 | -- | -- | 105 | 118 |
| Massachusetts | 3,966 | 4,397 | -9.8 | -- | -- | 3,966 | 4,397 | -- | -- | -- | -- |
| New Hampshire | 1,320 | 1,401 | -5.7 | 1,320 | 1,401 | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 67,267 | 61,682 | 9.1 | 353 | 534 | 65,461 | 59,683 | -- | -- | 1,454 | 1,464 |
| New Jersey | 4,029 | 3,755 | 7.3 | 170 | 19 | 3,859 | 3,737 | -- | -- | -- | -- |
| New York | 8,531 | 9,252 | -7.8 | 183 | 516 | 7,933 | 8,301 | -- | -- | 416 | 436 |
| Pennsylvania | 54,707 | 48,674 | 12.4 | -- | -- | 53,669 | 47,645 | -- | -- | 1,038 | 1,029 |
| East North Central ... | 221,097 | 217,536 | 1.6 | 147,566 | 148,631 | 69,533 | 64,860 | 279 | 329 | 3,719 | 3,715 |
| Illinois | 55,175 | 53,588 | 3.0 | 1,800 | 5,257 | 50,631 | 45,604 | 77 | 93 | 2,667 | 2,634 |
| Indiana | 55,164 | 55,153 | .0 | 51,470 | 51,487 | 3,695 | 3,667 | -- | -- | -- | -- |
| Michigan | 34,218 | 33,569 | 1.9 | 33,698 | 33,009 | 183 | 181 | 202 | 236 | 134 | 144 |
| Ohio | 52,813 | 54,086 | -2.4 | 37,522 | 38,440 | 15,003 | 15,369 | -- | -- | 289 | 278 |
| Wisconsin | 23,727 | 21,140 | 12.2 | 23,076 | 20,439 | 22 | 40 | -- | -- | 629 | 660 |
| West North Central ... | 139,005 | 138,041 | .7 | 137,302 | 136,376 | -- | -- | 165 | 168 | 1,538 | 1,498 |
| Iowa | 24,837 | 20,271 | 22.5 | 23,754 | 19,227 | -- | -- | -- | -- | 1,083 | 1,045 |
| Kansas | 19,752 | 22,481 | -12.1 | 19,752 | 22,481 | -- | -- | -- | -- | -- | -- |
| Minnesota | 15,897 | 18,183 | -12.6 | 15,442 | 17,729 | -- | -- | -- | -- | 455 | 453 |
| Missouri | 40,675 | 41,743 | -2.6 | 40,510 | 41,575 | -- | -- | 165 | 168 | -- | -- |
| Nebraska | 12,949 | 11,453 | 13.1 | 12,949 | 11,453 | -- | -- | -- | -- | -- | -- |
| North Dakota | 22,665 | 22,349 | 1.4 | 22,665 | 22,349 | -- | -- | -- | -- | -- | -- |
| South Dakota | 2,231 | 1,561 | 42.9 | 2,231 | 1,561 | -- | -- | -- | -- | -- | -- |
| South Atlantic | 167,850 | 174,609 | -3.9 | 138,379 | 144,490 | 26,803 | 27,888 | -- | -- | 2,668 | 2,231 |
| Delaware | 2,045 | 2,220 | -7.9 | -- | -- | 2,045 | 2,220 | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 27,794 | 28,888 | -3.8 | 25,432 | 26,508 | 2,143 | 2,165 | -- | -- | 219 | 216 |
| Georgia | 36,271 | 37,936 | -4.4 | 35,556 | 37,268 | -- | -- | -- | -- | 716 | 668 |
| Maryland | 10,267 | 10,756 | -4.6 | -- | -- | 9,871 | 10,756 | -- | -- | 396 | -- |
| North Carolina | 28,765 | 30,030 | -4.2 | 27,040 | 28,307 | 1,198 | 1,201 | -- | -- | 527 | 521 |
| South Carolina | 14,683 | 15,622 | -6.0 | 14,411 | 15,323 | 1 | -- | -- | -- | 270 | 299 |
| Virginia | 12,855 | 13,352 | -3.7 | 10,198 | 10,713 | 2,467 | 2,460 | -- | -- | 191 | 178 |
| West Virginia | 35,169 | 35,806 | -1.8 | 25,742 | 26,372 | 9,078 | 9,085 | -- | -- | 349 | 349 |
| East South Central | 106,086 | 107,574 | -1.4 | 98,209 | 99,107 | 6,226 | 6,908 | -- | -- | 1,651 | 1,559 |
| Alabama | 33,337 | 34,678 | -3.9 | 33,167 | 34,539 | -- | -- | -- | -- | 169 | 139 |
| Kentucky | 37,897 | 36,706 | 3.2 | 34,436 | 32,858 | 3,462 | 3,848 | -- | -- | -- | -- |
| Mississippi | 8,764 | 9,202 | -4.8 | 6,000 | 6,142 | 2,764 | 3,060 | -- | -- | -- | -- |
| Tennessee | 26,088 | 26,989 | -3.3 | 24,606 | 25,568 | -- | -- | -- | -- | 1,482 | 1,421 |
| West South Central ... | 143,082 | 142,636 | .3 | 78,275 | 74,030 | 64,324 | 68,101 | -- | -- | 484 | 505 |
| Arkansas | 14,383 | 13,884 | 3.6 | 14,383 | 13,884 | -- | -- | -- | -- | -- | -- |
| Louisiana | 14,448 | 15,222 | -5.1 | 7,546 | 7,202 | 6,902 | 8,020 | -- | -- | -- | -- |
| Oklahoma | 21,418 | 20,219 | 5.9 | 19,555 | 18,349 | 1,378 | 1,365 | -- | -- | 484 | 505 |
| Texas | 92,833 | 93,312 | -.5 | 36,790 | 34,595 | 56,044 | 58,716 | -- | -- | -- | -- |
| Mountain | 107,593 | 106,676 | .9 | 94,525 | 94,849 | 12,215 | 11,030 | -- | -- | 854 | 797 |
| Arizona | 20,672 | 19,790 | 4.5 | 20,284 | 19,434 | -- | -- | -- | -- | 388 | 356 |
| Colorado | 17,060 | 18,337 | -7.0 | 17,060 | 18,337 | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 11,031 | 10,431 | 5.8 | 310 | 251 | 10,721 | 10,180 | -- | -- | -- | -- |
| Nevada | 3,340 | 3,210 | 4.1 | 3,171 | 3,210 | 169 | -- | -- | -- | -- | -- |
| New Mexico | 14,108 | 14,609 | -3.4 | 14,108 | 14,609 | -- | -- | -- | -- | -- | -- |
| Utah | 16,729 | 16,182 | 3.4 | 15,819 | 15,364 | 444 | 378 | -- | -- | 466 | 441 |
| Wyoming | 24,654 | 24,117 | 2.2 | 23,773 | 23,644 | 881 | 472 | -- | -- | -- | -- |
| Pacific Contiguous | 9,331 | 7,664 | 21.7 | 2,450 | 2,058 | 6,141 | 5,092 | -- | -- | 740 | 514 |
| California | 1,422 | 1,043 | 36.4 | -- | -- | 791 | 601 | -- | -- | 631 | 441 |
| Oregon | 2,450 | 2,058 | 19.1 | 2,450 | 2,058 | -- | -- | -- | -- | -- | -- |
| Washington | 5,458 | 4,564 | 19.6 | -- | -- | 5,349 | 4,491 | -- | -- | 109 | 73 |
| Pacific Noncontiguous | 398 | 644 | -38.2 | -- | -- | 398 | 644 | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | 398 | 644 | -38.2 | -- | -- | 398 | 644 | -- | -- | -- | -- |
| U.S. Total | 969,085 | 964,967 | .4 | 698,379 | 701,476 | 257,049 | 250,591 | 444 | 497 | 13,213 | 12,402 |

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel. Sources: Energy Information Administration, 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,;" 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 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, November 2008 and 2007

(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|-----------------------------------|---------------------|--------------|----------------|-----------------------|--------------|-----------------------------|--------------|-------------------|-----------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 399 | 567 | -29.7 | 76 | 1 | 251 | 516 | 5 | -- | 67 | 50 |
| Connecticut | 5 | 5 | -5.1 | -- | -- | 5 | 5 | -- | -- | -- | -- |
| Maine | 179 | 50 | 257.8 | -- | -- | 126 | * | -- | -- | 53 | 50 |
| Massachusetts | 209 | 511 | -59.1 | 76 | -- | 114 | 511 | 5 | -- | 15 | -- |
| New Hampshire | 1 | 1 | -40.2 | 1 | 1 | -- | -- | -- | -- | -- | -- |
| Rhode Island | 5 | -- | -- | -- | -- | 5 | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 573 | 151 | 280.2 | 132 | 2 | 440 | 147 | -- | -- | 1 | 2 |
| New Jersey | 253 | 98 | 157.6 | 128 | * | 125 | 98 | -- | -- | -- | -- |
| New York | 48 | 6 | 645.9 | 4 | 2 | 44 | 4 | -- | -- | -- | * |
| Pennsylvania | 272 | 46 | 490.4 | -- | -- | 271 | 45 | -- | -- | 1 | 1 |
| East North Central ... | 108 | 216 | -50.1 | 73 | 149 | 28 | 52 | -- | * | 7 | 16 |
| Illinois | 24 | 38 | -37.2 | 1 | 13 | 22 | 25 | -- | * | -- | -- |
| Indiana | 33 | 27 | 24.1 | 29 | 22 | -- | -- | -- | -- | 4 | 4 |
| Michigan | 11 | 82 | -86.3 | 10 | 73 | -- | -- | -- | -- | 1 | 9 |
| Ohio | 35 | 64 | -45.5 | 28 | 35 | 6 | 27 | -- | -- | 1 | 2 |
| Wisconsin | 5 | 6 | -10.1 | 4 | 6 | * | -- | -- | -- | * | -- |
| West North Central ... | 40 | 23 | 78.9 | 38 | 22 | 2 | -- | -- | -- | * | * |
| Iowa | 6 | 7 | -22.1 | 6 | 7 | -- | -- | -- | -- | -- | -- |
| Kansas | 7 | -- | -- | 7 | -- | -- | -- | -- | -- | -- | -- |
| Minnesota | 14 | 4 | 210.0 | 11 | 4 | 2 | -- | -- | -- | * | * |
| Missouri | 10 | 6 | 64.7 | 10 | 6 | -- | -- | -- | -- | -- | -- |
| Nebraska | 2 | -- | -- | 2 | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | 2 | 5 | -63.1 | 2 | 5 | -- | -- | -- | -- | -- | -- |
| South Dakota | * | -- | -- | * | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1,027 | 2,109 | -51.3 | 682 | 1,818 | 172 | 66 | -- | 1 | 174 | 224 |
| Delaware | 2 | 51 | -95.8 | -- | -- | 2 | 32 | -- | -- | -- | 19 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 357 | 1,753 | -79.6 | 317 | 1,729 | 4 | 4 | -- | -- | 37 | 21 |
| Georgia | 71 | 53 | 33.6 | 16 | 13 | * | -- | -- | -- | 54 | 40 |
| Maryland | 165 | 28 | 498.5 | -- | -- | 163 | 28 | -- | -- | 2 | -- |
| North Carolina | 61 | 83 | -25.9 | 39 | 11 | * | * | -- | -- | 22 | 72 |
| South Carolina | 70 | 24 | 190.9 | 34 | 2 | * | -- | -- | -- | 36 | 22 |
| Virginia | 255 | 46 | 455.3 | 231 | 19 | 2 | 2 | -- | 1 | 22 | 24 |
| West Virginia | 46 | 72 | -36.3 | 45 | 45 | * | -- | -- | -- | -- | 27 |
| East South Central.... | 238 | 43 | 457.4 | 222 | 22 | 1 | 7 | -- | -- | 14 | 14 |
| Alabama | 94 | 8 | NM | 80 | 1 | * | -- | -- | -- | 13 | 7 |
| Kentucky | 13 | 22 | -38.5 | 13 | 14 | 1 | 7 | -- | -- | -- | -- |
| Mississippi | 2 | 8 | -81.0 | * | 1 | -- | -- | -- | -- | 1 | 7 |
| Tennessee | 129 | 5 | NM | 129 | 5 | -- | -- | -- | -- | -- | -- |
| West South Central ... | 87 | 37 | 133.7 | 36 | 21 | 8 | 16 | -- | -- | 43 | * |
| Arkansas | 13 | 8 | 60.7 | 13 | 8 | -- | -- | -- | -- | -- | -- |
| Louisiana | 11 | 15 | -26.4 | 9 | 6 | 2 | 9 | -- | -- | -- | -- |
| Oklahoma | 53 | 6 | 832.6 | 10 | 5 | -- | -- | -- | -- | 43 | * |
| Texas | 10 | 8 | 16.7 | 4 | 1 | 6 | 7 | -- | -- | -- | -- |
| Mountain | 58 | 29 | 102.6 | 48 | 28 | 10 | * | -- | -- | * | -- |
| Arizona | 26 | 4 | 590.3 | 25 | 4 | -- | -- | -- | -- | * | -- |
| Colorado | 5 | -- | -- | 5 | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 3 | * | 738.9 | * | -- | 3 | * | -- | -- | -- | -- |
| Nevada | 3 | -- | -- | 2 | -- | 1 | -- | -- | -- | -- | -- |
| New Mexico | 10 | 12 | -20.2 | 10 | 12 | * | -- | -- | -- | -- | -- |
| Utah | 6 | 5 | 31.0 | 1 | 5 | 6 | -- | -- | -- | 6 | -- |
| Wyoming | 5 | 7 | -32.1 | 5 | 7 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 12 | 11 | 12.4 | 1 | -- | 2 | 1 | -- | -- | 10 | 10 |
| California | 1 | 1 | 19.0 | 1 | -- | * | 1 | -- | -- | * | * |
| Oregon | * | -- | -- | * | -- | -- | -- | -- | -- | -- | -- |
| Washington | 11 | 10 | 10.6 | * | -- | 1 | -- | -- | -- | 9 | 10 |
| Pacific Noncontiguous..... | 938 | 248 | 278.1 | 707 | -- | 231 | 248 | * | -- | -- | -- |
| Alaska | 69 | -- | -- | 69 | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | 869 | 248 | 250.4 | 638 | -- | 231 | 248 | * | -- | -- | -- |
| U.S. Total | 3,480 | 3,434 | 1.4 | 2,014 | 2,063 | 1,145 | 1,054 | 5 | 1 | 316 | 316 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|-----------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|-------------------|-----------|-------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 5,168 | 7,884 | -34.5 | 215 | 342 | 3,882 | 6,353 | 30 | 33 | 1,040 | 1,156 |
| Connecticut | 673 | 1,654 | -59.3 | 2 | -- | 671 | 1,654 | -- | -- | -- | -- |
| Maine | 990 | 1,285 | -22.9 | -- | -- | 135 | 274 | -- | -- | 855 | 1,011 |
| Massachusetts | 3,350 | 4,607 | -27.3 | 86 | 4 | 3,048 | 4,425 | 30 | 33 | 186 | 145 |
| New Hampshire | 137 | 338 | -59.5 | 127 | 338 | 10 | -- | -- | -- | -- | -- |
| Rhode Island | 17 | -- | -- | -- | -- | 17 | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 6,076 | 14,646 | -58.5 | 2,917 | 7,681 | 3,123 | 6,919 | -- | -- | 36 | 46 |
| New Jersey | 725 | 811 | -10.7 | 287 | 315 | 438 | 496 | -- | -- | -- | -- |
| New York | 4,238 | 12,185 | -65.2 | 2,630 | 7,366 | 1,594 | 4,811 | -- | -- | 14 | 8 |
| Pennsylvania | 1,113 | 1,650 | -32.5 | -- | -- | 1,091 | 1,612 | -- | -- | 22 | 38 |
| East North Central ... | 1,751 | 1,896 | -7.7 | 1,281 | 1,343 | 332 | 334 | * | 1 | 138 | 218 |
| Illinois | 247 | 258 | -4.0 | 12 | 54 | 235 | 203 | * | 1 | -- | -- |
| Indiana | 326 | 253 | 28.9 | 275 | 196 | -- | -- | -- | -- | 51 | 57 |
| Michigan | 540 | 804 | -32.9 | 468 | 662 | * | -- | -- | -- | 72 | 142 |
| Ohio | 500 | 504 | -.7 | 393 | 360 | 93 | 127 | -- | -- | 14 | 17 |
| Wisconsin | 138 | 78 | 76.2 | 133 | 72 | 4 | 4 | -- | -- | 1 | 2 |
| West North Central ... | 661 | 322 | 105.5 | 639 | 271 | 17 | 47 | -- | -- | 5 | 4 |
| Iowa | 153 | 63 | 140.9 | 153 | 63 | -- | -- | -- | -- | -- | -- |
| Kansas | 85 | 55 | 55.2 | 85 | 55 | -- | -- | -- | -- | -- | -- |
| Minnesota | 116 | 89 | 30.2 | 94 | 38 | 17 | 47 | -- | -- | 5 | 4 |
| Missouri | 125 | 60 | 108.2 | 125 | 60 | -- | -- | -- | -- | -- | -- |
| Nebraska | 62 | 12 | 411.3 | 62 | 12 | -- | -- | -- | -- | -- | -- |
| North Dakota | 80 | 42 | 91.6 | 80 | 42 | -- | -- | -- | -- | -- | -- |
| South Dakota | 40 | -- | -- | 40 | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 20,222 | 27,277 | -25.9 | 16,670 | 21,902 | 1,495 | 2,760 | 7 | 8 | 2,050 | 2,608 |
| Delaware | 378 | 326 | 15.7 | -- | -- | 241 | 192 | -- | -- | 136 | 134 |
| District of Columbia | 166 | 196 | -15.3 | -- | -- | 166 | 196 | -- | -- | -- | -- |
| Florida | 14,748 | 19,273 | -23.5 | 14,246 | 18,622 | 186 | 351 | -- | -- | 316 | 300 |
| Georgia | 922 | 661 | 39.6 | 403 | 91 | 34 | -- | -- | -- | 485 | 570 |
| Maryland | 699 | 1,588 | -56.0 | -- | -- | 687 | 1,588 | -- | -- | 12 | -- |
| North Carolina | 976 | 1,124 | -13.1 | 336 | 292 | 4 | 2 | -- | -- | 637 | 829 |
| South Carolina | 537 | 429 | 25.2 | 299 | 199 | * | -- | -- | -- | 238 | 230 |
| Virginia | 1,555 | 3,101 | -49.8 | 1,152 | 2,427 | 170 | 430 | 7 | 8 | 226 | 236 |
| West Virginia | 240 | 579 | -58.6 | 234 | 270 | 6 | -- | -- | -- | -- | 309 |
| East South Central.... | 922 | 1,080 | -14.7 | 691 | 812 | 51 | 42 | -- | -- | 179 | 226 |
| Alabama | 359 | 237 | 51.5 | 164 | 80 | 27 | -- | -- | -- | 168 | 157 |
| Kentucky | 205 | 154 | 33.1 | 181 | 112 | 24 | 42 | -- | -- | -- | -- |
| Mississippi | 134 | 593 | -77.4 | 123 | 524 | -- | -- | -- | -- | 11 | 69 |
| Tennessee | 224 | 96 | 133.2 | 224 | 96 | -- | -- | -- | -- | -- | -- |
| West South Central ... | 1,060 | 581 | 82.6 | 576 | 189 | 115 | 188 | -- | -- | 369 | 204 |
| Arkansas | 67 | 50 | 33.1 | 67 | 50 | -- | -- | -- | -- | -- | -- |
| Louisiana | 486 | 135 | 258.9 | 465 | 108 | 21 | 28 | -- | -- | -- | -- |
| Oklahoma | 380 | 220 | 73.1 | 11 | 16 | -- | -- | -- | -- | 369 | 204 |
| Texas | 127 | 175 | -27.6 | 33 | 15 | 94 | 160 | -- | -- | -- | -- |
| Mountain | 654 | 275 | 138.0 | 527 | 234 | 124 | 41 | -- | -- | 2 | -- |
| Arizona | 283 | 65 | 334.9 | 280 | 65 | -- | -- | -- | -- | 2 | -- |
| Colorado | 40 | 18 | 125.1 | 40 | 6 | 1 | 12 | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 56 | 27 | 109.5 | 1 | -- | 54 | 27 | -- | -- | -- | -- |
| Nevada | 12 | -- | -- | 11 | -- | 1 | -- | -- | -- | -- | -- |
| New Mexico | 89 | 60 | 47.2 | 87 | 58 | 2 | 3 | -- | -- | -- | -- |
| Utah | 102 | 45 | 129.6 | 36 | 45 | 66 | -- | -- | -- | -- | -- |
| Wyoming | 72 | 60 | 18.8 | 72 | 60 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 280 | 780 | -64.0 | 32 | 5 | 73 | 129 | -- | -- | 175 | 646 |
| California | 147 | 580 | -74.7 | 28 | -- | 55 | 129 | -- | -- | 64 | 451 |
| Oregon | * | 5 | -97.8 | * | 5 | -- | -- | -- | -- | -- | -- |
| Washington | 133 | 194 | -31.5 | 4 | -- | 18 | * | -- | -- | 111 | 194 |
| Pacific Noncontiguous..... | 12,298 | 2,581 | 376.5 | 9,791 | -- | 2,504 | 2,581 | 3 | -- | -- | -- |
| Alaska | 739 | -- | -- | 739 | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | 11,560 | 2,581 | 347.9 | 9,052 | -- | 2,504 | 2,581 | 3 | -- | -- | -- |
| U.S. Total | 49,092 | 57,320 | -14.4 | 33,340 | 32,778 | 11,716 | 19,393 | 41 | 41 | 3,995 | 5,108 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, 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;" 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 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|------------|----------------|-----------------------|------------|-----------------------------|------------|-------------------|----------|-------------------|-----------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 23 | 17 | 37.9 | -- | -- | 11 | 7 | -- | -- | 12 | 10 |
| New Jersey | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York | 9 | 7 | 23.8 | -- | -- | 9 | 7 | -- | -- | -- | -- |
| Pennsylvania | 15 | 10 | 47.6 | -- | -- | 2 | -- | -- | -- | 12 | 10 |
| East North Central ... | 58 | 34 | 69.6 | 13 | 18 | 37 | 5 | -- | -- | 8 | 11 |
| Illinois | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 3 | 6 | -46.7 | -- | 1 | 3 | 5 | -- | -- | -- | -- |
| Ohio | 33 | -- | -- | -- | -- | 33 | -- | -- | -- | -- | -- |
| Wisconsin | 21 | 28 | -23.9 | 13 | 17 | -- | -- | -- | -- | 8 | 11 |
| West North Central ... | 11 | 15 | -25.1 | 11 | 15 | -- | -- | -- | -- | -- | -- |
| Iowa | 2 | 4 | -39.1 | 2 | 4 | -- | -- | -- | -- | -- | -- |
| Kansas | 5 | 6 | -20.1 | 5 | 6 | -- | -- | -- | -- | -- | -- |
| Minnesota | 4 | 5 | -20.1 | 4 | 5 | -- | -- | -- | -- | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 203 | 185 | 10.0 | 179 | 160 | -- | -- | -- | -- | 24 | 24 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 179 | 160 | 11.6 | 179 | 160 | -- | -- | -- | -- | -- | -- |
| Georgia | 24 | 24 | -8 | -- | -- | -- | -- | -- | -- | 24 | 24 |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central.... | 114 | 94 | 21.6 | -- | -- | 114 | 94 | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | 114 | 94 | 21.6 | -- | -- | 114 | 94 | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central ... | 87 | 101 | -13.8 | 87 | 61 | -- | 33 | -- | -- | -- | 7 |
| Arkansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 87 | 67 | 30.2 | 87 | 61 | -- | -- | -- | -- | -- | 6 |
| Oklahoma | -- | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Texas | -- | 33 | -100.0 | -- | -- | -- | 33 | -- | -- | -- | -- |
| Mountain | 26 | 18 | 47.3 | -- | -- | 26 | 18 | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 26 | 18 | 47.3 | -- | -- | 26 | 18 | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 12 | 12 | -1.3 | -- | -- | 12 | 12 | -- | -- | -- | -- |
| California | 12 | 12 | -1.3 | -- | -- | 12 | 12 | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 535 | 475 | 12.5 | 290 | 254 | 200 | 169 | -- | -- | 45 | 53 |

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding.

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Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|-----------------------------------|---------------------|--------------|----------------|-----------------------|--------------|-----------------------------|--------------|-------------------|------|-------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 203 | 149 | 35.8 | -- | -- | 85 | 37 | -- | -- | 118 | 112 |
| New Jersey | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York | 62 | 37 | 64.8 | -- | -- | 62 | 37 | -- | -- | -- | -- |
| Pennsylvania | 141 | 112 | 26.1 | -- | -- | 23 | -- | -- | -- | 118 | 112 |
| East North Central ... | 653 | 428 | 52.8 | 268 | 255 | 248 | 30 | -- | -- | 138 | 143 |
| Illinois | 4 | -- | -- | 4 | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan | 30 | 40 | -24.8 | -- | 10 | 30 | 30 | -- | -- | -- | -- |
| Ohio | 218 | -- | -- | -- | -- | 218 | -- | -- | -- | -- | -- |
| Wisconsin | 402 | 388 | 3.6 | 264 | 245 | -- | -- | -- | -- | 138 | 143 |
| West North Central ... | 147 | 169 | -13.4 | 147 | 169 | -- | -- | -- | -- | -- | -- |
| Iowa | 42 | 35 | 21.7 | 42 | 35 | -- | -- | -- | -- | -- | -- |
| Kansas | 50 | 71 | -30.4 | 50 | 71 | -- | -- | -- | -- | -- | -- |
| Minnesota | 55 | 63 | -13.4 | 55 | 63 | -- | -- | -- | -- | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1,863 | 1,949 | -4.4 | 1,531 | 1,700 | -- | -- | -- | -- | 333 | 250 |
| Delaware | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 1,531 | 1,700 | -9.9 | 1,531 | 1,700 | -- | -- | -- | -- | -- | -- |
| Georgia | 333 | 250 | 33.2 | -- | -- | -- | -- | -- | -- | 333 | 250 |
| Maryland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central.... | 962 | 1,056 | -8.9 | -- | -- | 962 | 1,056 | -- | -- | -- | -- |
| Alabama | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | 962 | 1,056 | -8.9 | -- | -- | 962 | 1,056 | -- | -- | -- | -- |
| Mississippi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central ... | 1,128 | 1,144 | -1.3 | 694 | 659 | 434 | 368 | -- | -- | -- | 116 |
| Arkansas | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 694 | 765 | -9.3 | 694 | 659 | -- | -- | -- | -- | -- | 106 |
| Oklahoma | -- | 10 | -- | -- | -- | -- | -- | -- | -- | -- | 10 |
| Texas | 434 | 368 | 18.0 | -- | -- | 434 | 368 | -- | -- | -- | -- |
| Mountain | 227 | 159 | 42.3 | -- | -- | 227 | 159 | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana | 227 | 159 | 42.3 | -- | -- | 227 | 159 | -- | -- | -- | -- |
| Nevada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 100 | 145 | -31.0 | -- | -- | 100 | 145 | -- | -- | -- | -- |
| California | 100 | 145 | -31.0 | -- | -- | 100 | 145 | -- | -- | -- | -- |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 5,284 | 5,200 | 1.6 | 2,639 | 2,783 | 2,056 | 1,796 | -- | -- | 588 | 621 |

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Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, November 2008 and 2007
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|------------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|-------------------|--------------|-------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 31,157 | 32,981 | -5.5 | 21 | 19 | 29,439 | 30,530 | 347 | 305 | 1,350 | 2,127 |
| Connecticut | 4,099 | 4,941 | -17.1 | 2 | -- | 4,097 | 4,941 | -- | -- | -- | -- |
| Maine | 5,212 | 4,179 | 24.7 | -- | -- | 3,942 | 2,221 | -- | -- | 1,270 | 1,958 |
| Massachusetts | 14,255 | 15,585 | -8.5 | 12 | 18 | 13,816 | 15,093 | 347 | 305 | 80 | 169 |
| New Hampshire | 4,235 | 2,827 | 49.8 | 1 | -- | 4,233 | 2,827 | -- | -- | -- | -- |
| Rhode Island | 3,351 | 5,447 | -38.5 | -- | -- | 3,351 | 5,447 | -- | -- | -- | -- |
| Vermont | 6 | 2 | 280.2 | 6 | 2 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 50,838 | 47,526 | 7.0 | 9,685 | 8,812 | 39,496 | 36,442 | 229 | 270 | 1,428 | 2,002 |
| New Jersey | 12,003 | 10,793 | 11.2 | 19 | -- | 11,492 | 10,103 | -- | -- | 491 | 690 |
| New York | 28,892 | 27,549 | 4.9 | 9,666 | 8,812 | 18,846 | 18,382 | 229 | 270 | 153 | 85 |
| Pennsylvania | 9,943 | 9,184 | 8.3 | -- | -- | 9,158 | 7,957 | -- | -- | 784 | 1,227 |
| East North Central | 12,944 | 15,291 | -15.4 | 1,639 | 1,455 | 9,437 | 11,192 | 519 | 448 | 1,349 | 2,196 |
| Illinois | 2,236 | 3,359 | -33.4 | 109 | -- | 1,225 | 1,849 | 510 | 433 | 393 | 1,078 |
| Indiana | 3,015 | 2,720 | 10.9 | 273 | 165 | 1,979 | 1,570 | -- | -- | 763 | 984 |
| Michigan | 4,550 | 5,950 | -23.5 | 393 | 89 | 4,046 | 5,769 | 10 | 16 | 102 | 77 |
| Ohio | 898 | 1,103 | -18.6 | 132 | 181 | 766 | 916 | -- | -- | -- | 5 |
| Wisconsin | 2,244 | 2,159 | 3.9 | 731 | 1,020 | 1,421 | 1,088 | -- | -- | 91 | 52 |
| West North Central ... | 11,029 | 4,321 | 155.2 | 9,514 | 2,968 | 1,370 | 1,224 | 2 | * | 142 | 129 |
| Iowa | 1,857 | 184 | 907.9 | 1,853 | 184 | -- | -- | -- | -- | 4 | -- |
| Kansas | 2,273 | 645 | 252.6 | 2,273 | 645 | -- | -- | -- | -- | -- | -- |
| Minnesota | 1,788 | 1,444 | 23.8 | 596 | 584 | 1,053 | 731 | -- | -- | 138 | 129 |
| Missouri | 4,391 | 1,999 | 119.7 | 4,072 | 1,506 | 317 | 493 | 2 | * | -- | -- |
| Nebraska | 665 | 49 | NM | 665 | 49 | -- | -- | -- | -- | -- | -- |
| North Dakota | * | -- | -- | * | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | 55 | -- | -- | 55 | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 74,732 | 64,714 | 15.5 | 60,482 | 52,570 | 13,017 | 11,013 | -- | -- | 1,233 | 1,131 |
| Delaware | 917 | 558 | 64.4 | -- | -- | 693 | 466 | -- | -- | 224 | 91 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 52,667 | 54,350 | -3.1 | 47,297 | 47,345 | 5,295 | 6,588 | -- | -- | 75 | 418 |
| Georgia | 8,660 | 4,090 | 111.7 | 4,923 | 2,555 | 3,034 | 1,132 | -- | -- | 703 | 403 |
| Maryland | 1,808 | 522 | 246.5 | -- | -- | 1,720 | 522 | -- | -- | 88 | -- |
| North Carolina | 2,824 | 352 | 703.0 | 2,284 | 283 | 536 | 20 | -- | -- | 4 | 48 |
| South Carolina | 3,771 | 323 | NM | 2,910 | 114 | 849 | 197 | -- | -- | 12 | 12 |
| Virginia | 3,905 | 4,278 | -8.7 | 2,926 | 2,269 | 853 | 1,943 | -- | -- | 127 | 66 |
| West Virginia | 180 | 242 | -25.6 | 144 | 4 | 36 | 145 | -- | -- | -- | 94 |
| East South Central | 31,571 | 16,001 | 97.3 | 15,142 | 7,383 | 15,375 | 7,770 | -- | -- | 1,054 | 849 |
| Alabama | 17,235 | 10,030 | 71.8 | 6,362 | 4,416 | 9,945 | 4,854 | -- | -- | 928 | 760 |
| Kentucky | 216 | 61 | 253.8 | 214 | 41 | 2 | 20 | -- | -- | -- | -- |
| Mississippi | 13,872 | 5,899 | 135.1 | 8,341 | 2,926 | 5,428 | 2,896 | -- | -- | 103 | 78 |
| Tennessee | 247 | 11 | NM | 225 | -- | -- | -- | -- | -- | 22 | 11 |
| West South Central ... | 175,879 | 175,671 | .1 | 43,058 | 42,129 | 79,497 | 79,882 | 359 | 330 | 52,965 | 53,330 |
| Arkansas | 3,724 | 2,807 | 32.6 | 110 | 4 | 3,614 | 2,804 | -- | -- | -- | -- |
| Louisiana | 35,172 | 31,584 | 11.4 | 10,645 | 8,072 | 4,095 | 3,216 | -- | -- | 20,432 | 20,297 |
| Oklahoma | 18,363 | 16,588 | 10.7 | 11,232 | 12,613 | 6,611 | 3,273 | -- | -- | 520 | 701 |
| Texas | 118,620 | 124,691 | -4.9 | 21,071 | 21,440 | 65,177 | 70,589 | 359 | 330 | 32,014 | 32,332 |
| Mountain | 50,038 | 47,560 | 5.2 | 25,113 | 24,001 | 23,333 | 23,225 | -- | -- | 1,592 | 333 |
| Arizona | 16,285 | 19,428 | -16.2 | 6,391 | 7,970 | 9,893 | 11,458 | -- | -- | 1 | -- |
| Colorado | 8,296 | 9,854 | -15.8 | 3,265 | 2,396 | 5,031 | 7,458 | -- | -- | -- | -- |
| Idaho | 705 | 1,098 | -35.7 | 64 | -- | 642 | 1,098 | -- | -- | -- | -- |
| Montana | 34 | 95 | -63.8 | 8 | 1 | 26 | 94 | -- | -- | -- | -- |
| Nevada | 13,886 | 9,527 | 45.8 | 7,798 | 7,100 | 5,833 | 2,427 | -- | -- | 255 | -- |
| New Mexico | 5,144 | 3,022 | 70.2 | 3,514 | 2,453 | 1,628 | 562 | -- | -- | 2 | 7 |
| Utah | 4,324 | 4,202 | 2.9 | 4,048 | 4,072 | 276 | 127 | -- | -- | -- | 3 |
| Wyoming | 1,363 | 333 | 308.7 | 26 | 10 | 4 | * | -- | -- | 1,334 | 323 |
| Pacific Contiguous | 88,827 | 83,278 | 6.7 | 21,980 | 16,821 | 56,685 | 56,481 | 355 | 367 | 9,807 | 9,609 |
| California | 71,817 | 66,958 | 7.3 | 15,903 | 12,582 | 46,880 | 45,213 | 355 | 367 | 8,678 | 8,795 |
| Oregon | 11,576 | 11,633 | -5 | 4,463 | 4,239 | 6,197 | 6,726 | -- | -- | 916 | 668 |
| Washington | 5,435 | 4,688 | 15.9 | 1,614 | -- | 3,607 | 4,542 | -- | -- | 213 | 146 |
| Pacific Noncontiguous | 3,583 | 3,291 | 8.9 | 3,583 | 3,291 | -- | -- | -- | -- | -- | -- |
| Alaska | 3,583 | 3,291 | 8.9 | 3,583 | 3,291 | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 530,597 | 490,634 | 8.1 | 190,218 | 159,449 | 267,649 | 257,759 | 1,811 | 1,720 | 70,919 | 71,707 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, 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;" 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 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector | | Industrial Sector | |
|-----------------------------------|---------------------|------------------|----------------|-----------------------|------------------|-----------------------------|------------------|-------------------|---------------|-------------------|----------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 347,158 | 389,297 | -10.8 | 1,718 | 2,124 | 327,214 | 364,068 | 3,578 | 3,764 | 14,648 | 19,340 |
| Connecticut | 56,758 | 67,433 | -15.8 | 38 | -- | 56,720 | 67,433 | -- | -- | -- | -- |
| Maine | 46,747 | 48,724 | -4.1 | -- | -- | 33,267 | 30,437 | -- | -- | 13,481 | 18,287 |
| Massachusetts | 147,025 | 168,731 | -12.9 | 1,580 | 1,912 | 140,700 | 162,002 | 3,578 | 3,764 | 1,167 | 1,053 |
| New Hampshire | 45,101 | 35,883 | 25.7 | 67 | 188 | 45,034 | 35,695 | -- | -- | -- | -- |
| Rhode Island | 51,492 | 68,502 | -24.8 | -- | -- | 51,492 | 68,502 | -- | -- | -- | -- |
| Vermont | 33 | 24 | 37.3 | 33 | 24 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 683,932 | 670,997 | 1.9 | 136,833 | 114,735 | 524,953 | 530,895 | 2,827 | 2,778 | 19,318 | 22,589 |
| New Jersey | 162,946 | 147,054 | 10.8 | 284 | -- | 155,475 | 140,076 | -- | -- | 7,187 | 6,978 |
| New York | 380,495 | 375,712 | 1.3 | 136,549 | 114,735 | 240,077 | 257,366 | 2,827 | 2,778 | 1,042 | 833 |
| Pennsylvania | 140,490 | 148,231 | -5.2 | -- | -- | 129,401 | 133,453 | -- | -- | 11,089 | 14,778 |
| East North Central ... | 222,713 | 279,841 | -20.4 | 45,495 | 41,425 | 156,796 | 208,231 | 4,940 | 5,921 | 15,482 | 24,264 |
| Illinois | 38,924 | 65,043 | -40.2 | 3,648 | -- | 25,050 | 49,229 | 4,472 | 5,504 | 5,754 | 10,310 |
| Indiana | 40,422 | 38,010 | 6.3 | 7,265 | 7,152 | 25,741 | 19,561 | -- | -- | 7,416 | 11,297 |
| Michigan | 83,725 | 107,167 | -21.9 | 9,246 | 9,233 | 72,831 | 96,209 | 468 | 417 | 1,179 | 1,307 |
| Ohio | 18,787 | 27,930 | -32.7 | 4,905 | 6,767 | 13,739 | 21,004 | -- | -- | 143 | 160 |
| Wisconsin | 40,855 | 41,691 | -2.0 | 20,430 | 18,274 | 19,435 | 22,227 | -- | -- | 990 | 1,190 |
| West North Central ... | 107,095 | 66,043 | 62.2 | 86,724 | 45,539 | 18,610 | 18,618 | 63 | 118 | 1,699 | 1,767 |
| Iowa | 18,038 | 2,089 | 763.4 | 18,008 | 2,089 | -- | -- | -- | -- | 30 | -- |
| Kansas | 22,274 | 20,338 | 9.5 | 22,274 | 20,338 | -- | -- | -- | -- | -- | -- |
| Minnesota | 20,730 | 19,338 | 7.2 | 9,479 | 4,959 | 9,583 | 12,612 | -- | -- | 1,669 | 1,767 |
| Missouri | 38,057 | 23,455 | 62.3 | 28,967 | 17,330 | 9,027 | 6,007 | 63 | 118 | -- | -- |
| Nebraska | 6,367 | 822 | 674.4 | 6,367 | 822 | -- | -- | -- | -- | -- | -- |
| North Dakota | 2 | 1 | 162.1 | 2 | 1 | -- | -- | -- | -- | -- | -- |
| South Dakota | 1,627 | -- | -- | 1,627 | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1,033,261 | 965,465 | 7.0 | 823,972 | 717,141 | 195,439 | 228,528 | -- | -- | 13,851 | 19,796 |
| Delaware | 11,856 | 19,059 | -37.8 | -- | -- | 10,332 | 12,341 | -- | -- | 1,523 | 6,718 |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 753,875 | 684,295 | 10.2 | 667,121 | 591,618 | 83,198 | 86,940 | -- | -- | 3,555 | 5,737 |
| Georgia | 97,762 | 103,533 | -5.6 | 52,354 | 45,897 | 39,817 | 53,325 | -- | -- | 5,591 | 4,311 |
| Maryland | 14,901 | 18,002 | -17.2 | -- | -- | 13,814 | 18,002 | -- | -- | 1,087 | -- |
| North Carolina | 34,919 | 25,832 | 35.2 | 27,772 | 18,122 | 6,490 | 7,153 | -- | -- | 657 | 557 |
| South Carolina | 44,817 | 34,632 | 29.4 | 33,590 | 21,922 | 11,052 | 12,558 | -- | -- | 176 | 153 |
| Virginia | 73,298 | 76,519 | -4.2 | 42,507 | 39,530 | 29,530 | 35,929 | -- | -- | 1,261 | 1,059 |
| West Virginia | 1,833 | 3,593 | -49.0 | 628 | 52 | 1,205 | 2,280 | -- | -- | -- | 1,260 |
| East South Central.... | 348,575 | 330,434 | 5.5 | 174,343 | 145,802 | 162,261 | 176,151 | -- | -- | 11,971 | 8,482 |
| Alabama | 160,503 | 171,167 | -6.2 | 61,265 | 63,131 | 89,069 | 101,239 | -- | -- | 10,169 | 6,797 |
| Kentucky | 9,641 | 3,558 | 170.9 | 8,039 | 2,536 | 1,603 | 1,022 | -- | -- | -- | -- |
| Mississippi | 174,516 | 154,839 | 12.7 | 101,516 | 80,135 | 71,505 | 73,237 | -- | -- | 1,495 | 1,467 |
| Tennessee | 3,914 | 869 | 350.2 | 3,524 | -- | 84 | 652 | -- | -- | 307 | 217 |
| West South Central ... | 2,565,770 | 2,450,708 | 4.7 | 624,804 | 585,840 | 1,281,371 | 1,270,589 | 4,355 | 4,088 | 655,239 | 590,191 |
| Arkansas | 65,508 | 52,694 | 24.3 | 11,346 | 1,449 | 54,162 | 51,245 | -- | -- | -- | -- |
| Louisiana | 451,551 | 432,053 | 4.5 | 148,246 | 135,513 | 70,326 | 69,708 | -- | -- | 232,979 | 226,832 |
| Oklahoma | 269,609 | 263,431 | 2.3 | 169,917 | 161,727 | 92,504 | 94,032 | -- | -- | 7,188 | 7,672 |
| Texas | 1,779,102 | 1,702,531 | 4.5 | 295,295 | 287,151 | 1,064,379 | 1,055,605 | 4,355 | 4,088 | 415,073 | 355,687 |
| Mountain | 639,089 | 596,432 | 7.2 | 324,622 | 288,633 | 305,616 | 303,628 | -- | -- | 8,851 | 4,171 |
| Arizona | 261,528 | 247,408 | 5.7 | 101,408 | 104,248 | 160,104 | 143,160 | -- | -- | 16 | -- |
| Colorado | 93,720 | 108,898 | -13.9 | 35,405 | 32,011 | 58,315 | 76,887 | -- | -- | -- | -- |
| Idaho | 9,469 | 8,949 | 5.8 | 1,060 | -- | 8,409 | 8,949 | -- | -- | -- | -- |
| Montana | 504 | 628 | -19.7 | 117 | 10 | 387 | 618 | -- | -- | -- | -- |
| Nevada | 166,314 | 157,120 | 5.9 | 96,075 | 93,920 | 67,168 | 63,200 | -- | -- | 3,071 | -- |
| New Mexico | 52,329 | 32,836 | 59.4 | 44,436 | 27,120 | 7,866 | 5,652 | -- | -- | 28 | 64 |
| Utah | 49,145 | 36,366 | 35.1 | 45,741 | 31,166 | 3,329 | 5,144 | -- | -- | 75 | 55 |
| Wyoming | 6,080 | 4,228 | 43.8 | 381 | 157 | 39 | 19 | -- | -- | 5,660 | 4,052 |
| Pacific Contiguous | 1,009,750 | 876,276 | 15.2 | 251,178 | 171,592 | 644,004 | 597,922 | 3,954 | 4,235 | 110,614 | 102,528 |
| California | 828,264 | 739,887 | 11.9 | 199,527 | 138,023 | 525,179 | 504,363 | 3,954 | 4,235 | 99,605 | 93,266 |
| Oregon | 114,167 | 96,442 | 18.4 | 37,968 | 32,623 | 67,232 | 56,637 | -- | -- | 8,967 | 7,182 |
| Washington | 67,318 | 39,948 | 68.5 | 13,683 | 945 | 51,593 | 36,922 | -- | -- | 2,042 | 2,081 |
| Pacific Noncontiguous..... | 36,027 | 32,528 | 10.8 | 36,027 | 32,528 | -- | -- | -- | -- | -- | -- |
| Alaska | 36,027 | 32,528 | 10.8 | 36,027 | 32,528 | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 6,993,369 | 6,658,021 | 5.0 | 2,505,715 | 2,145,360 | 3,616,264 | 3,698,629 | 19,717 | 20,904 | 851,673 | 793,128 |

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values for 2001 forward do not include blast furnace gas or other gas. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, 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;" 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 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|-------------|----------------|--------------------|-------------|-----------------------------|-------------|
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 2.83 | 3.12 | -9.3 | 4.02 | 3.14 | 2.44 | 3.11 |
| Connecticut | W | W | W | -- | -- | W | W |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | W | 2.99 | W | -- | -- | W | 2.99 |
| New Hampshire | 4.02 | 3.14 | 28.0 | 4.02 | 3.14 | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 2.36 | 1.96 | 20.5 | 1.90 | 2.40 | 2.36 | 1.95 |
| New Jersey | 3.32 | 3.02 | 9.9 | 1.93 | -- | 3.33 | 3.02 |
| New York | 2.45 | 2.42 | 1.2 | 1.89 | 2.40 | 2.46 | 2.42 |
| Pennsylvania | 2.24 | 1.77 | 26.6 | -- | -- | 2.24 | 1.77 |
| East North Central | 1.94 | 1.62 | 19.6 | 2.01 | 1.65 | 1.76 | 1.56 |
| Illinois | 1.58 | 1.37 | 15.3 | 1.90 | 1.38 | 1.56 | 1.37 |
| Indiana | W | W | W | 2.10 | 1.61 | W | W |
| Michigan | W | W | W | 1.85 | 1.74 | W | W |
| Ohio | 2.12 | 1.74 | 21.8 | 2.06 | 1.67 | 2.30 | 1.94 |
| Wisconsin | 1.93 | 1.59 | 21.4 | 1.93 | 1.59 | 1.76 | -- |
| West North Central | 1.39 | 1.21 | 15.0 | 1.39 | 1.21 | -- | -- |
| Iowa | 1.23 | .96 | 28.1 | 1.23 | .96 | -- | -- |
| Kansas | 1.41 | 1.26 | 11.9 | 1.41 | 1.26 | -- | -- |
| Minnesota | 1.68 | 1.51 | 11.3 | 1.68 | 1.51 | -- | -- |
| Missouri | 1.52 | 1.35 | 12.6 | 1.52 | 1.35 | -- | -- |
| Nebraska | 1.04 | .88 | 18.2 | 1.04 | .88 | -- | -- |
| North Dakota | 1.19 | .98 | 21.4 | 1.19 | .98 | -- | -- |
| South Dakota | 1.69 | -- | -- | 1.69 | -- | -- | -- |
| South Atlantic | 3.07 | 2.40 | 27.9 | 3.13 | 2.45 | 2.77 | 2.15 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 3.08 | W | W | 3.06 | 2.64 | 3.41 | W |
| Georgia | 3.25 | 2.60 | 25.0 | 3.25 | 2.60 | -- | -- |
| Maryland | 3.42 | 2.22 | 54.1 | -- | -- | 3.42 | 2.22 |
| North Carolina | 3.62 | 2.78 | 30.2 | 3.67 | 2.77 | 2.65 | 2.92 |
| South Carolina | 3.43 | 2.39 | 43.5 | 3.43 | 2.39 | 2.47 | -- |
| Virginia | 2.72 | 2.44 | 11.5 | 2.66 | 2.38 | 2.87 | 2.78 |
| West Virginia | W | W | W | 2.41 | 1.78 | W | W |
| East South Central | 2.56 | 1.99 | 28.2 | 2.58 | 2.02 | 2.01 | 1.57 |
| Alabama | 3.05 | 2.14 | 42.5 | 3.05 | 2.14 | -- | -- |
| Kentucky | W | W | W | 2.39 | 1.80 | W | W |
| Mississippi | W | W | W | 2.87 | 3.19 | W | W |
| Tennessee | 2.29 | 1.95 | 17.4 | 2.29 | 1.95 | -- | -- |
| West South Central | 1.66 | 1.55 | 7.6 | 1.77 | 1.62 | 1.52 | 1.44 |
| Arkansas | 1.75 | 1.76 | -6 | 1.75 | 1.76 | -- | -- |
| Louisiana | W | W | W | 2.27 | 2.02 | W | W |
| Oklahoma | W | W | W | 1.32 | 1.18 | W | W |
| Texas | W | W | W | 1.95 | 1.75 | W | W |
| Mountain | 1.50 | 1.31 | 14.4 | 1.56 | 1.37 | 1.01 | .84 |
| Arizona | 1.86 | 1.59 | 17.0 | 1.86 | 1.59 | -- | -- |
| Colorado | 1.45 | 1.26 | 15.1 | 1.45 | 1.26 | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | 1.99 | 1.25 | W | W |
| Nevada | 2.26 | 1.90 | 18.9 | 2.19 | 1.90 | 2.43 | -- |
| New Mexico | 1.89 | 1.67 | 13.2 | 1.89 | 1.67 | -- | -- |
| Utah | W | W | W | 1.50 | 1.39 | W | W |
| Wyoming | W | W | W | 1.09 | 1.01 | W | W |
| Pacific | 2.09 | 1.95 | 7.0 | 1.47 | 1.45 | 2.35 | 2.11 |
| California | W | W | W | -- | -- | W | W |
| Oregon | 1.47 | 1.45 | 1.4 | 1.47 | 1.45 | -- | -- |
| Washington | W | W | W | -- | -- | W | W |
| Alaska | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | W | W | -- | -- | -- | W |
| U.S. Total | 2.13 | 1.77 | 20.3 | 2.17 | 1.78 | 2.01 | 1.73 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, 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;" 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 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|-------------|----------------|--------------------|-------------|-----------------------------|-------------|
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 |
| New England | 2.87 | 2.83 | 1.6 | 3.51 | 2.88 | 2.71 | 2.81 |
| Connecticut | W | W | W | -- | -- | W | W |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | 2.49 | 2.77 | -10.1 | -- | -- | 2.49 | 2.77 |
| New Hampshire | 3.51 | 2.88 | 21.9 | 3.51 | 2.88 | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 2.23 | 1.90 | 17.4 | 2.25 | 2.33 | 2.23 | 1.89 |
| New Jersey | 3.15 | 2.86 | 10.1 | 2.45 | 3.69 | 3.18 | 2.86 |
| New York | 2.36 | 2.39 | -1.3 | 2.07 | 2.28 | 2.37 | 2.40 |
| Pennsylvania | 2.13 | 1.73 | 23.1 | -- | -- | 2.13 | 1.73 |
| East North Central | 1.90 | 1.59 | 19.8 | 1.92 | 1.63 | 1.88 | 1.50 |
| Illinois | 1.73 | 1.32 | 31.1 | 1.91 | 1.38 | 1.72 | 1.32 |
| Indiana | W | W | W | 1.90 | 1.58 | W | W |
| Michigan | W | W | W | 1.92 | 1.69 | W | W |
| Ohio | 2.02 | 1.70 | 18.8 | 1.94 | 1.65 | 2.26 | 1.85 |
| Wisconsin | W | W | W | 1.92 | 1.66 | W | W |
| West North Central | 1.39 | 1.21 | 15.4 | 1.39 | 1.21 | -- | -- |
| Iowa | 1.20 | 1.05 | 14.3 | 1.20 | 1.05 | -- | -- |
| Kansas | 1.41 | 1.22 | 15.6 | 1.41 | 1.22 | -- | -- |
| Minnesota | 1.68 | 1.49 | 12.8 | 1.68 | 1.49 | -- | -- |
| Missouri | 1.61 | 1.32 | 22.0 | 1.61 | 1.32 | -- | -- |
| Nebraska | .94 | .88 | 6.8 | .94 | .88 | -- | -- |
| North Dakota | 1.13 | .96 | 17.7 | 1.13 | .96 | -- | -- |
| South Dakota | 1.78 | 1.55 | 14.8 | 1.78 | 1.55 | -- | -- |
| South Atlantic | 2.86 | 2.37 | 20.4 | 2.85 | 2.42 | 2.87 | 2.11 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 2.90 | 2.54 | 14.2 | 2.88 | 2.52 | 3.24 | 2.83 |
| Georgia | 3.03 | 2.60 | 16.5 | 3.03 | 2.60 | -- | -- |
| Maryland | 3.71 | 2.12 | 75.0 | -- | -- | 3.71 | 2.12 |
| North Carolina | 3.21 | 2.75 | 16.7 | 3.24 | 2.75 | 2.42 | 2.67 |
| South Carolina | 2.80 | 2.32 | 20.7 | 2.80 | 2.32 | 2.47 | -- |
| Virginia | 2.65 | 2.48 | 6.9 | 2.63 | 2.40 | 2.77 | 2.81 |
| West Virginia | W | W | W | 2.32 | 1.81 | W | W |
| East South Central | 2.33 | 1.95 | 19.1 | 2.36 | 1.97 | 1.74 | 1.60 |
| Alabama | 2.64 | 2.05 | 28.8 | 2.64 | 2.05 | -- | -- |
| Kentucky | W | W | W | 2.15 | 1.77 | W | W |
| Mississippi | W | W | W | 2.97 | 2.92 | W | W |
| Tennessee | 2.14 | 1.91 | 12.0 | 2.14 | 1.91 | -- | -- |
| West South Central | 1.65 | 1.49 | 10.7 | 1.76 | 1.55 | 1.50 | 1.42 |
| Arkansas | 1.72 | 1.61 | 6.8 | 1.72 | 1.61 | -- | -- |
| Louisiana | W | W | W | 2.36 | 2.11 | W | W |
| Oklahoma | W | W | W | 1.39 | 1.16 | W | W |
| Texas | W | W | W | 1.87 | 1.63 | W | W |
| Mountain | 1.49 | 1.35 | 10.1 | 1.53 | 1.40 | 1.13 | .89 |
| Arizona | 1.71 | 1.56 | 9.6 | 1.71 | 1.56 | -- | -- |
| Colorado | 1.44 | 1.26 | 14.3 | 1.44 | 1.26 | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | 1.93 | 1.12 | W | W |
| Nevada | 2.21 | 1.87 | 18.2 | 2.20 | 1.87 | 2.47 | -- |
| New Mexico | 1.96 | 1.79 | 9.5 | 1.96 | 1.79 | -- | -- |
| Utah | W | W | W | 1.38 | 1.36 | W | W |
| Wyoming | W | W | W | 1.17 | 1.07 | W | W |
| Pacific | 2.06 | 1.84 | 12.1 | 1.45 | 1.38 | 2.28 | 1.98 |
| California | W | W | W | -- | -- | W | W |
| Oregon | 1.45 | 1.38 | 5.1 | 1.45 | 1.38 | -- | -- |
| Washington | W | W | W | -- | -- | W | W |
| Alaska | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | W | W | W | -- | -- | W | W |
| U.S. Total | 2.05 | 1.76 | 16.5 | 2.05 | 1.77 | 2.03 | 1.71 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: Energy Information Administration, 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;" 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 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|--------------|----------------|--------------------|--------------|-----------------------------|--------------|
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 10.58 | W | W | 13.24 | 19.84 | 9.82 | W |
| Connecticut | 13.62 | 22.62 | -39.8 | -- | -- | 13.62 | 22.62 |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | W | W | W | 13.23 | -- | W | W |
| New Hampshire | 14.31 | 19.84 | -27.9 | 14.31 | 19.84 | -- | -- |
| Rhode Island | W | -- | W | -- | -- | W | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 8.43 | 18.22 | -53.7 | 7.92 | 18.47 | 8.60 | 18.22 |
| New Jersey | 8.56 | W | W | 7.79 | 19.04 | 9.63 | W |
| New York | 10.86 | 17.06 | -36.3 | 12.49 | 18.45 | 10.71 | 16.47 |
| Pennsylvania | 7.93 | W | W | -- | -- | 7.93 | W |
| East North Central | 16.15 | 16.05 | .6 | 15.25 | 14.61 | 18.49 | 20.34 |
| Illinois | 19.05 | W | W | 11.89 | 19.97 | 19.49 | W |
| Indiana | 15.54 | 20.69 | -24.9 | 15.54 | 20.69 | -- | -- |
| Michigan | 13.97 | 10.02 | 39.4 | 13.97 | 10.02 | -- | -- |
| Ohio | W | W | W | 14.43 | 18.21 | W | W |
| Wisconsin | W | 21.05 | W | 22.61 | 21.05 | W | -- |
| West North Central | W | 19.65 | W | 14.71 | 19.65 | W | -- |
| Iowa | 15.51 | 20.21 | -23.3 | 15.51 | 20.21 | -- | -- |
| Kansas | 14.83 | -- | -- | 14.83 | -- | -- | -- |
| Minnesota | W | 16.02 | W | 14.29 | 16.02 | W | -- |
| Missouri | 14.67 | 20.19 | -27.3 | 14.67 | 20.19 | -- | -- |
| Nebraska | 14.62 | -- | -- | 14.62 | -- | -- | -- |
| North Dakota | 15.05 | 21.15 | -28.8 | 15.05 | 21.15 | -- | -- |
| South Dakota | 10.55 | -- | -- | 10.55 | -- | -- | -- |
| South Atlantic | 9.13 | 12.34 | -26.0 | 8.68 | 12.25 | 10.91 | 15.25 |
| Delaware | 11.83 | W | W | -- | -- | 11.83 | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | W | W | W | 8.11 | 11.92 | W | W |
| Georgia | 11.24 | 19.99 | -43.8 | 11.25 | 19.99 | 8.51 | -- |
| Maryland | 10.77 | 16.73 | -35.6 | -- | -- | 10.77 | 16.73 |
| North Carolina | W | W | W | 14.63 | 19.37 | W | W |
| South Carolina | 11.60 | 19.52 | -40.6 | 11.60 | 19.52 | 8.85 | -- |
| Virginia | W | W | W | 6.67 | 16.88 | W | W |
| West Virginia | W | 20.13 | W | 15.81 | 20.13 | W | -- |
| East South Central | W | W | W | 13.88 | 20.00 | W | W |
| Alabama | 12.98 | 19.21 | -32.4 | 13.01 | 19.21 | 8.61 | -- |
| Kentucky | W | W | W | 13.80 | 20.38 | W | W |
| Mississippi | 17.59 | 18.85 | -6.7 | 17.59 | 18.85 | -- | -- |
| Tennessee | 14.42 | 19.34 | -25.4 | 14.42 | 19.34 | -- | -- |
| West South Central | W | 18.80 | W | 10.66 | 18.21 | W | 19.57 |
| Arkansas | 7.29 | 15.91 | -54.2 | 7.29 | 15.91 | -- | -- |
| Louisiana | W | W | W | 9.59 | 18.75 | W | W |
| Oklahoma | 14.74 | 20.73 | -28.9 | 14.74 | 20.73 | -- | -- |
| Texas | W | W | W | 14.96 | 20.10 | W | W |
| Mountain | W | W | W | 16.15 | 21.20 | W | W |
| Arizona | 15.57 | 19.32 | -19.4 | 15.57 | 19.32 | -- | -- |
| Colorado | 16.75 | -- | -- | 16.75 | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | 10.50 | -- | W | W |
| Nevada | 16.18 | -- | -- | 15.43 | -- | 17.94 | -- |
| New Mexico | 17.52 | 21.11 | -17.0 | 17.53 | 21.11 | 17.08 | -- |
| Utah | 17.45 | 21.85 | -20.1 | 13.85 | 21.85 | 17.77 | -- |
| Wyoming | 16.55 | 21.86 | -24.3 | 16.55 | 21.86 | -- | -- |
| Pacific | W | W | W | 16.10 | -- | W | W |
| California | W | W | W | 16.80 | -- | W | W |
| Oregon | 10.15 | -- | -- | 10.15 | -- | -- | -- |
| Washington | 21.16 | -- | -- | 9.38 | -- | 23.90 | -- |
| Alaska | 11.87 | -- | -- | 11.87 | -- | -- | -- |
| Hawaii | W | W | W | 16.49 | -- | W | W |
| U.S. Total | 11.85 | 13.09 | -9.5 | 12.52 | 12.73 | 10.65 | 13.85 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: Energy Information Administration, 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;" 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 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|--------------|----------------|--------------------|--------------|-----------------------------|--------------|
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 |
| New England | 14.93 | 9.05 | 65.1 | 16.30 | 8.79 | 14.85 | 9.06 |
| Connecticut | 18.78 | 9.53 | 97.1 | 24.58 | -- | 18.76 | 9.53 |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | W | W | W | 13.19 | 10.99 | W | W |
| New Hampshire | W | 8.76 | W | 18.13 | 8.76 | W | -- |
| Rhode Island | W | -- | W | -- | -- | W | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 17.15 | 8.36 | 105.0 | 15.83 | 7.00 | 18.46 | 9.94 |
| New Jersey | 16.47 | 10.99 | 49.9 | 14.01 | 4.70 | 18.38 | 15.74 |
| New York | 17.28 | 7.84 | 120.4 | 16.03 | 7.10 | 19.41 | 9.00 |
| Pennsylvania | 17.05 | 11.25 | 51.6 | -- | -- | 17.05 | 11.25 |
| East North Central | 21.99 | 13.72 | 60.3 | 21.68 | 13.05 | 23.22 | 16.50 |
| Illinois | 22.38 | 17.04 | 31.3 | 20.51 | 18.04 | 22.47 | 16.77 |
| Indiana | 23.45 | 14.63 | 60.3 | 23.45 | 14.63 | -- | -- |
| Michigan | 20.58 | 10.55 | 95.1 | 20.58 | 10.55 | 30.12 | -- |
| Ohio | W | W | W | 21.87 | 15.66 | W | W |
| Wisconsin | W | W | W | 21.49 | 16.37 | W | W |
| West North Central | W | W | W | 21.18 | 16.66 | W | W |
| Iowa | 22.76 | 16.93 | 34.4 | 22.76 | 16.93 | -- | -- |
| Kansas | 23.21 | 16.28 | 42.6 | 23.21 | 16.28 | -- | -- |
| Minnesota | W | W | W | 15.92 | 15.30 | W | W |
| Missouri | 22.48 | 16.97 | 32.5 | 22.48 | 16.97 | -- | -- |
| Nebraska | 20.53 | 16.59 | 23.7 | 20.53 | 16.59 | -- | -- |
| North Dakota | 22.06 | 17.54 | 25.8 | 22.06 | 17.54 | -- | -- |
| South Dakota | 18.44 | -- | -- | 18.44 | -- | -- | -- |
| South Atlantic | 14.77 | 9.58 | 54.1 | 14.42 | 9.39 | 18.85 | 11.23 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | W | W | W | -- | -- | W | W |
| Florida | 14.11 | 9.27 | 52.2 | 14.09 | 9.23 | 15.70 | 11.74 |
| Georgia | 16.66 | 15.34 | 8.6 | 16.15 | 15.34 | 22.63 | -- |
| Maryland | 18.54 | 10.56 | 75.6 | -- | -- | 18.54 | 10.56 |
| North Carolina | W | W | W | 20.81 | 14.58 | W | W |
| South Carolina | 14.37 | 15.71 | -8.5 | 14.37 | 15.71 | 8.85 | -- |
| Virginia | 15.38 | 9.14 | 68.3 | 14.81 | 8.71 | 19.52 | 11.79 |
| West Virginia | W | 15.61 | W | 22.67 | 15.61 | W | -- |
| East South Central | W | W | W | 17.68 | 10.22 | W | W |
| Alabama | 18.40 | 14.09 | 30.6 | 18.05 | 14.09 | 20.46 | -- |
| Kentucky | W | W | W | 23.10 | 15.80 | W | W |
| Mississippi | 9.77 | 7.80 | 25.3 | 9.77 | 7.80 | -- | -- |
| Tennessee | 17.84 | 15.54 | 14.8 | 17.84 | 15.54 | -- | -- |
| West South Central | 12.16 | 12.15 | .0 | 10.48 | 11.68 | 21.37 | 12.65 |
| Arkansas | 13.34 | 14.79 | -9.8 | 13.34 | 14.79 | -- | -- |
| Louisiana | W | W | W | 9.22 | 9.22 | W | W |
| Oklahoma | 15.36 | 16.39 | -6.3 | 15.36 | 16.39 | -- | -- |
| Texas | W | W | W | 22.64 | 15.64 | W | W |
| Mountain | 20.51 | 16.84 | 21.8 | 20.20 | 17.14 | 21.87 | 14.95 |
| Arizona | 20.28 | 15.98 | 26.9 | 20.28 | 15.98 | -- | -- |
| Colorado | W | W | W | 22.31 | 18.00 | W | W |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | 17.57 | -- | W | W |
| Nevada | 21.06 | -- | -- | 21.30 | -- | 17.94 | -- |
| New Mexico | W | W | W | 14.68 | 18.53 | W | W |
| Utah | 22.46 | 17.33 | 29.6 | 23.82 | 17.33 | 21.73 | -- |
| Wyoming | 23.38 | 16.88 | 38.5 | 23.38 | 16.88 | -- | -- |
| Pacific | W | W | W | 19.26 | 16.19 | W | W |
| California | W | W | W | 24.11 | -- | W | W |
| Oregon | 10.15 | 16.19 | -37.3 | 10.15 | 16.19 | -- | -- |
| Washington | W | W | W | 13.16 | -- | W | W |
| Alaska | 21.68 | -- | -- | 21.68 | -- | -- | -- |
| Hawaii | W | W | W | 19.08 | -- | W | W |
| U.S. Total | 16.75 | 9.53 | 75.8 | 16.43 | 9.10 | 17.69 | 10.29 |

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Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, November 2008 and 2007

(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|-------------|----------------|--------------------|-------------|-----------------------------|-------------|
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 2.13 | W | W | -- | -- | 2.13 | W |
| New Jersey | -- | -- | -- | -- | -- | -- | -- |
| New York | 2.23 | W | W | -- | -- | 2.23 | W |
| Pennsylvania | 1.76 | -- | -- | -- | -- | 1.76 | -- |
| East North Central | W | W | W | 1.45 | 1.37 | W | W |
| Illinois | -- | -- | -- | -- | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- |
| Michigan | W | W | W | -- | 1.75 | W | W |
| Ohio | 2.42 | -- | -- | -- | -- | 2.42 | -- |
| Wisconsin | 1.45 | 1.34 | 8.2 | 1.45 | 1.34 | -- | -- |
| West North Central | 1.56 | 1.44 | 8.7 | 1.56 | 1.44 | -- | -- |
| Iowa | 2.20 | 1.94 | 13.4 | 2.20 | 1.94 | -- | -- |
| Kansas | 1.46 | 1.46 | .0 | 1.46 | 1.46 | -- | -- |
| Minnesota | 1.32 | 1.02 | 29.4 | 1.32 | 1.02 | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 2.03 | 1.72 | 18.0 | 2.03 | 1.72 | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 2.03 | 1.72 | 18.0 | 2.03 | 1.72 | -- | -- |
| Georgia | -- | -- | -- | -- | -- | -- | -- |
| Maryland | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- |
| East South Central | W | W | W | -- | -- | W | W |
| Alabama | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | W | W | W | -- | -- | W | W |
| Mississippi | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 3.29 | W | W | 3.29 | 1.56 | -- | W |
| Arkansas | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 3.29 | 1.56 | 110.9 | 3.29 | 1.56 | -- | -- |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- |
| Texas | -- | W | W | -- | -- | -- | W |
| Mountain | W | W | W | -- | -- | W | W |
| Arizona | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | -- | -- | W | W |
| Nevada | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- |
| Pacific | 1.46 | 1.73 | -15.6 | -- | -- | 1.46 | 1.73 |
| California | 1.46 | 1.73 | -15.6 | -- | -- | 1.46 | 1.73 |
| Oregon | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 1.93 | 1.39 | 38.8 | 2.37 | 1.64 | 1.28 | 1.01 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, 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;" 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 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|------|----------------|--------------------|------|-----------------------------|------|
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 |
| New England | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | -- | -- | -- | -- | -- | -- | -- |
| Maine | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- |
| Vermont | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | W | W | W | -- | -- | W | W |
| New Jersey | -- | -- | -- | -- | -- | -- | -- |
| New York | W | W | W | -- | -- | W | W |
| Pennsylvania | 1.53 | -- | -- | -- | -- | 1.53 | -- |
| East North Central | W | W | W | 1.47 | 1.35 | W | W |
| Illinois | 1.97 | -- | -- | 1.97 | -- | -- | -- |
| Indiana | -- | -- | -- | -- | -- | -- | -- |
| Michigan | W | W | W | -- | 1.78 | W | W |
| Ohio | 1.75 | -- | -- | -- | -- | 1.75 | -- |
| Wisconsin | 1.46 | 1.33 | 9.8 | 1.46 | 1.33 | -- | -- |
| West North Central | 1.56 | 1.38 | 13.6 | 1.56 | 1.38 | -- | -- |
| Iowa | 2.09 | 1.94 | 7.7 | 2.09 | 1.94 | -- | -- |
| Kansas | 1.58 | 1.39 | 13.7 | 1.58 | 1.39 | -- | -- |
| Minnesota | 1.14 | 1.04 | 9.6 | 1.14 | 1.04 | -- | -- |
| Missouri | -- | -- | -- | -- | -- | -- | -- |
| Nebraska | -- | -- | -- | -- | -- | -- | -- |
| North Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Dakota | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 2.14 | 1.88 | 13.8 | 2.14 | 1.88 | -- | -- |
| Delaware | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 2.14 | 1.88 | 13.8 | 2.14 | 1.88 | -- | -- |
| Georgia | -- | -- | -- | -- | -- | -- | -- |
| Maryland | -- | -- | -- | -- | -- | -- | -- |
| North Carolina | -- | -- | -- | -- | -- | -- | -- |
| South Carolina | -- | -- | -- | -- | -- | -- | -- |
| Virginia | -- | -- | -- | -- | -- | -- | -- |
| West Virginia | -- | -- | -- | -- | -- | -- | -- |
| East South Central | W | W | W | -- | -- | W | W |
| Alabama | -- | -- | -- | -- | -- | -- | -- |
| Kentucky | W | W | W | -- | -- | W | W |
| Mississippi | -- | -- | -- | -- | -- | -- | -- |
| Tennessee | -- | -- | -- | -- | -- | -- | -- |
| West South Central | W | W | W | 2.33 | 1.61 | W | W |
| Arkansas | -- | -- | -- | -- | -- | -- | -- |
| Louisiana | 2.33 | 1.61 | 44.7 | 2.33 | 1.61 | -- | -- |
| Oklahoma | -- | -- | -- | -- | -- | -- | -- |
| Texas | W | W | W | -- | -- | W | W |
| Mountain | W | W | W | -- | -- | W | W |
| Arizona | -- | -- | -- | -- | -- | -- | -- |
| Colorado | -- | -- | -- | -- | -- | -- | -- |
| Idaho | -- | -- | -- | -- | -- | -- | -- |
| Montana | W | W | W | -- | -- | W | W |
| Nevada | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | -- | -- | -- | -- | -- | -- | -- |
| Utah | -- | -- | -- | -- | -- | -- | -- |
| Wyoming | -- | -- | -- | -- | -- | -- | -- |
| Pacific | 1.63 | 1.81 | -9.9 | -- | -- | 1.63 | 1.81 |
| California | 1.63 | 1.81 | -9.9 | -- | -- | 1.63 | 1.81 |
| Oregon | -- | -- | -- | -- | -- | -- | -- |
| Washington | -- | -- | -- | -- | -- | -- | -- |
| Alaska | -- | -- | -- | -- | -- | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 1.73 | 1.46 | 18.5 | 2.09 | 1.74 | 1.26 | 1.02 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, 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;" 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 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|-------------|----------------|--------------------|-------------|-----------------------------|-------------|
| | Nov 2008 | Nov 2007 | Percent Change | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England | 7.43 | 7.85 | -5.3 | 9.53 | 7.72 | 7.43 | 7.85 |
| Connecticut | 7.45 | 7.89 | -5.6 | 23.30 | -- | 7.44 | 7.89 |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | 7.48 | 7.84 | -4.6 | 9.49 | 7.68 | 7.48 | 7.84 |
| New Hampshire | W | W | W | 11.92 | -- | W | W |
| Rhode Island | 7.51 | 7.81 | -3.8 | -- | -- | 7.51 | 7.81 |
| Vermont | 4.69 | 8.24 | -43.1 | 4.69 | 8.24 | -- | -- |
| Middle Atlantic | 7.70 | 8.07 | -4.6 | 7.70 | 7.98 | 7.70 | 8.09 |
| New Jersey | 7.54 | 8.24 | -8.5 | 8.42 | -- | 7.54 | 8.24 |
| New York | 7.81 | 8.04 | -2.9 | 7.70 | 7.98 | 7.87 | 8.07 |
| Pennsylvania | 7.55 | 7.97 | -5.3 | -- | -- | 7.55 | 7.97 |
| East North Central | 6.95 | 6.85 | 1.5 | 9.13 | 8.35 | 6.57 | 6.65 |
| Illinois | 6.86 | 7.32 | -6.3 | 7.88 | -- | 6.77 | 7.32 |
| Indiana | 7.15 | 7.28 | -1.8 | 8.91 | 8.03 | 6.90 | 7.20 |
| Michigan | 7.06 | 6.33 | 11.5 | 10.04 | 7.79 | 6.77 | 6.31 |
| Ohio | 7.71 | W | W | 8.85 | 8.54 | 7.52 | W |
| Wisconsin | 6.24 | W | W | 8.97 | 8.41 | 4.84 | W |
| West North Central | W | 6.96 | W | 5.55 | 6.98 | W | 6.91 |
| Iowa | 7.65 | 8.03 | -4.7 | 7.65 | 8.03 | -- | -- |
| Kansas | 4.68 | 6.05 | -22.6 | 4.68 | 6.05 | -- | -- |
| Minnesota | W | W | W | 7.78 | 7.58 | W | W |
| Missouri | 4.62 | W | W | 4.55 | 6.96 | 5.40 | W |
| Nebraska | 6.51 | 8.63 | -24.6 | 6.51 | 8.63 | -- | -- |
| North Dakota | 8.67 | -- | -- | 8.67 | -- | -- | -- |
| South Dakota | 8.80 | -- | -- | 8.80 | -- | -- | -- |
| South Atlantic | W | 8.97 | W | 9.11 | 9.34 | W | 7.26 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 9.11 | 9.11 | .0 | 9.38 | 9.47 | 6.67 | 6.59 |
| Georgia | 7.49 | 7.45 | .5 | 7.41 | 7.24 | 7.63 | 7.93 |
| Maryland | 7.79 | 7.69 | 1.3 | -- | -- | 7.79 | 7.69 |
| North Carolina | W | W | W | 10.74 | 13.60 | W | W |
| South Carolina | W | W | W | 7.56 | 7.88 | W | W |
| Virginia | 7.39 | 8.57 | -13.8 | 8.06 | 8.58 | 5.09 | 8.56 |
| West Virginia | 7.29 | W | W | 7.21 | 7.90 | 7.60 | W |
| East South Central | 7.49 | 7.56 | -1.0 | 6.88 | 7.81 | 8.07 | 7.32 |
| Alabama | 8.07 | 7.57 | 6.6 | 7.05 | 7.95 | 8.72 | 7.22 |
| Kentucky | W | W | W | 10.53 | 8.33 | W | W |
| Mississippi | W | W | W | 6.65 | 7.60 | W | W |
| Tennessee | 7.26 | -- | -- | 7.26 | -- | -- | -- |
| West South Central | 5.61 | 6.54 | -14.2 | 5.51 | 6.77 | 5.68 | 6.43 |
| Arkansas | 4.35 | 6.43 | -32.3 | 9.40 | 6.26 | 4.20 | 6.43 |
| Louisiana | 6.95 | 7.54 | -7.8 | 7.01 | 7.65 | 6.79 | 7.28 |
| Oklahoma | 4.59 | 6.38 | -28.1 | 4.48 | 6.49 | 4.77 | 5.97 |
| Texas | 5.65 | 6.45 | -12.4 | 5.27 | 6.61 | 5.78 | 6.41 |
| Mountain | 4.86 | 5.69 | -14.6 | 4.84 | 5.89 | 4.87 | 5.48 |
| Arizona | 4.57 | 6.45 | -29.1 | 4.21 | 6.84 | 4.80 | 6.18 |
| Colorado | 4.03 | 4.25 | -5.2 | 3.84 | 4.36 | 4.14 | 4.22 |
| Idaho | W | W | W | 6.08 | -- | W | W |
| Montana | W | W | W | 8.41 | 7.82 | W | W |
| Nevada | 6.07 | 5.87 | 3.4 | 6.44 | 6.00 | 5.56 | 5.49 |
| New Mexico | W | W | W | 5.25 | 6.58 | W | W |
| Utah | W | W | W | 3.12 | 4.33 | W | W |
| Wyoming | W | W | W | 7.53 | 9.53 | W | W |
| Pacific | 5.37 | 6.38 | -15.9 | 5.54 | 5.73 | 5.30 | 6.62 |
| California | 5.19 | 6.52 | -20.4 | 5.09 | 5.95 | 5.23 | 6.68 |
| Oregon | 5.65 | 6.29 | -10.2 | 6.12 | 6.73 | 5.31 | 6.01 |
| Washington | 7.07 | 6.87 | 2.9 | 9.18 | -- | 6.13 | 6.87 |
| Alaska | 5.12 | 3.57 | 43.4 | 5.12 | 3.57 | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 6.49 | 7.10 | -8.6 | 6.83 | 7.49 | 6.24 | 6.86 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.

Sources: Energy Information Administration, 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;" 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 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, Year-to-Date through November 2008 and 2007
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---------------------------------|-----------------------|-------------|----------------|--------------------|-------------|-----------------------------|-------------|
| | 2008 | 2007 | Percent Change | 2008 | 2007 | 2008 | 2007 |
| New England | 10.23 | 7.64 | 33.9 | 12.20 | 7.51 | 10.21 | 7.64 |
| Connecticut | 10.57 | 7.68 | 37.6 | 21.59 | -- | 10.56 | 7.68 |
| Maine | W | W | W | -- | -- | W | W |
| Massachusetts | 10.22 | 7.65 | 33.6 | 12.04 | 7.47 | 10.19 | 7.65 |
| New Hampshire | W | W | W | 12.15 | 7.88 | W | W |
| Rhode Island | 10.39 | 7.70 | 34.9 | -- | -- | 10.39 | 7.70 |
| Vermont | 9.19 | 7.54 | 21.9 | 9.19 | 7.54 | -- | -- |
| Middle Atlantic | 10.67 | 7.77 | 37.3 | 10.68 | 7.85 | 10.67 | 7.76 |
| New Jersey | 10.91 | 7.74 | 41.0 | 10.26 | -- | 10.91 | 7.74 |
| New York | 10.64 | 7.83 | 35.9 | 10.68 | 7.85 | 10.62 | 7.83 |
| Pennsylvania | 10.46 | 7.65 | 36.7 | -- | -- | 10.46 | 7.65 |
| East North Central | 9.98 | 6.98 | 42.8 | 10.71 | 7.81 | 9.76 | 6.82 |
| Illinois | 11.31 | 7.09 | 59.5 | 13.84 | -- | 10.94 | 7.09 |
| Indiana | 9.70 | 7.35 | 32.0 | 10.44 | 7.46 | 9.49 | 7.31 |
| Michigan | 9.71 | 6.53 | 48.7 | 10.94 | 8.10 | 9.55 | 6.38 |
| Ohio | 10.71 | 7.58 | 41.3 | 11.00 | 7.62 | 10.62 | 7.57 |
| Wisconsin | 9.44 | 7.38 | 27.9 | 10.08 | 7.87 | 8.78 | 6.98 |
| West North Central | 8.70 | 6.73 | 29.3 | 8.73 | 6.77 | 8.58 | 6.60 |
| Iowa | 9.62 | 7.59 | 26.7 | 9.62 | 7.59 | -- | -- |
| Kansas | 8.25 | 6.17 | 33.7 | 8.25 | 6.17 | -- | -- |
| Minnesota | W | W | W | 9.61 | 7.62 | W | W |
| Missouri | W | W | W | 8.07 | 7.04 | W | W |
| Nebraska | 9.12 | 9.01 | 1.2 | 9.12 | 9.01 | -- | -- |
| North Dakota | 10.53 | 5.99 | 75.8 | 10.53 | 5.99 | -- | -- |
| South Dakota | 10.60 | -- | -- | 10.60 | -- | -- | -- |
| South Atlantic | 10.39 | 8.68 | 19.7 | 10.33 | 9.11 | 10.67 | 7.35 |
| Delaware | W | W | W | -- | -- | W | W |
| District of Columbia | -- | -- | -- | -- | -- | -- | -- |
| Florida | 10.28 | 9.07 | 13.3 | 10.31 | 9.40 | 10.08 | 6.81 |
| Georgia | 10.53 | 7.24 | 45.4 | 9.96 | 7.03 | 11.28 | 7.42 |
| Maryland | 11.61 | 7.55 | 53.8 | -- | -- | 11.61 | 7.55 |
| North Carolina | W | W | W | 10.78 | 9.03 | W | W |
| South Carolina | 10.80 | 7.90 | 36.7 | 10.25 | 7.95 | 12.47 | 7.82 |
| Virginia | 10.80 | 8.11 | 33.2 | 10.86 | 7.88 | 10.71 | 8.37 |
| West Virginia | W | W | W | 9.93 | 8.54 | W | W |
| East South Central | 9.71 | 7.06 | 37.5 | 9.53 | 6.92 | 9.90 | 7.18 |
| Alabama | 9.67 | 6.94 | 39.3 | 9.02 | 6.53 | 10.12 | 7.20 |
| Kentucky | W | W | W | 11.40 | 8.07 | W | W |
| Mississippi | 9.64 | 7.17 | 34.4 | 9.68 | 7.19 | 9.59 | 7.15 |
| Tennessee | W | W | W | 9.99 | -- | W | W |
| West South Central | 9.09 | 6.66 | 36.3 | 9.08 | 6.78 | 9.09 | 6.60 |
| Arkansas | 8.99 | 6.84 | 31.4 | 10.64 | 7.42 | 8.65 | 6.82 |
| Louisiana | 10.21 | 7.29 | 40.1 | 10.13 | 7.37 | 10.38 | 7.14 |
| Oklahoma | 8.41 | 6.46 | 30.2 | 8.30 | 6.52 | 8.62 | 6.35 |
| Texas | 9.04 | 6.60 | 37.0 | 8.95 | 6.65 | 9.07 | 6.58 |
| Mountain | 8.11 | 5.84 | 38.8 | 8.05 | 5.97 | 8.16 | 5.72 |
| Arizona | 8.68 | 6.67 | 30.1 | 8.90 | 6.86 | 8.53 | 6.54 |
| Colorado | 6.92 | 4.06 | 70.4 | 6.89 | 3.95 | 6.94 | 4.10 |
| Idaho | W | W | W | 8.54 | -- | W | W |
| Montana | W | W | W | 10.22 | 6.85 | W | W |
| Nevada | 8.22 | 5.99 | 37.2 | 8.00 | 6.05 | 8.53 | 5.89 |
| New Mexico | W | W | W | 8.79 | 6.54 | W | W |
| Utah | W | W | W | 6.45 | 4.29 | W | W |
| Wyoming | W | W | W | 9.72 | 6.92 | W | W |
| Pacific | 8.13 | 6.28 | 29.5 | 7.66 | 5.61 | 8.34 | 6.49 |
| California | 8.45 | 6.49 | 30.2 | 8.15 | 5.94 | 8.57 | 6.63 |
| Oregon | 7.05 | 5.87 | 20.1 | 7.65 | 6.17 | 6.71 | 5.70 |
| Washington | 8.30 | 5.84 | 42.1 | 9.15 | 5.26 | 8.07 | 5.85 |
| Alaska | 4.32 | 3.59 | 20.3 | 4.32 | 3.59 | -- | -- |
| Hawaii | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 9.35 | 7.08 | 32.1 | 9.33 | 7.43 | 9.36 | 6.87 |

W = Withheld to avoid disclosure of individual company data.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2007 are final. Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.

Sources: Energy Information Administration, 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;" 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 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, November 2008
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|------------------------------------|---------------|------------|-------------|---------------|-----------|------------|--------------|------------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England | 549 | .8 | 7.9 | 101 | .1 | 2.0 | -- | -- | -- |
| Connecticut..... | 39 | 1.0 | 11.6 | 101 | .1 | 2.0 | -- | -- | -- |
| Maine..... | 7 | .8 | 6.5 | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 362 | .6 | 7.8 | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | 142 | 1.4 | 7.3 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 4,082 | 2.3 | 10.6 | 608 | .3 | 4.4 | -- | -- | -- |
| New Jersey..... | 289 | 1.4 | 7.6 | 128 | .1 | 2.3 | -- | -- | -- |
| New York..... | 471 | 2.6 | 9.1 | 313 | .3 | 4.9 | -- | -- | -- |
| Pennsylvania..... | 3,322 | 2.4 | 11.1 | 167 | .3 | 5.0 | -- | -- | -- |
| East North Central | 8,451 | 2.3 | 10.0 | 13,342 | .3 | 4.9 | -- | -- | -- |
| Illinois..... | 404 | 3.2 | 10.1 | 5,093 | .2 | 4.9 | -- | -- | -- |
| Indiana..... | 3,502 | 2.3 | 9.4 | 2,121 | .2 | 4.8 | -- | -- | -- |
| Michigan..... | 735 | 1.2 | 9.2 | 2,857 | .3 | 5.0 | -- | -- | -- |
| Ohio..... | 3,616 | 2.4 | 10.8 | 1,156 | .3 | 5.0 | -- | -- | -- |
| Wisconsin..... | 194 | 1.0 | 9.5 | 2,115 | .3 | 5.0 | -- | -- | -- |
| West North Central | 256 | 2.5 | 9.5 | 10,521 | .3 | 5.4 | 2,047 | .7 | 10.1 |
| Iowa..... | 113 | 2.4 | 8.3 | 2,149 | .3 | 5.2 | -- | -- | -- |
| Kansas..... | 16 | 3.9 | 15.8 | 1,548 | .3 | 5.2 | -- | -- | -- |
| Minnesota..... | 13 | 1.8 | 11.1 | 1,586 | .4 | 6.4 | -- | -- | -- |
| Missouri..... | 114 | 2.5 | 9.6 | 3,964 | .3 | 5.2 | -- | -- | -- |
| Nebraska..... | -- | -- | -- | 1,033 | .3 | 5.4 | -- | -- | -- |
| North Dakota..... | -- | -- | -- | 65 | .3 | 5.7 | 2,047 | .7 | 10.1 |
| South Dakota..... | -- | -- | -- | 178 | .3 | 5.3 | -- | -- | -- |
| South Atlantic | 13,191 | 1.4 | 11.1 | 1,357 | .3 | 4.7 | -- | -- | -- |
| Delaware..... | 156 | .8 | 11.2 | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 2,513 | 1.4 | 10.2 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 2,143 | 1.1 | 11.0 | 1,123 | .3 | 4.6 | -- | -- | -- |
| Maryland..... | 771 | 1.2 | 11.0 | 26 | .2 | 5.1 | -- | -- | -- |
| North Carolina..... | 2,604 | 1.0 | 11.8 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 1,259 | 1.3 | 10.9 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 957 | 1.0 | 10.2 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 2,788 | 2.1 | 11.9 | 208 | .2 | 5.2 | -- | -- | -- |
| East South Central | 7,640 | 2.3 | 11.0 | 2,152 | .3 | 5.0 | 122 | .5 | 15.9 |
| Alabama..... | 1,904 | 1.6 | 11.6 | 1,075 | .3 | 5.0 | -- | -- | -- |
| Kentucky..... | 3,577 | 2.7 | 11.1 | 221 | .4 | 5.2 | -- | -- | -- |
| Mississippi..... | 306 | .7 | 10.6 | 80 | .2 | 4.3 | 122 | .5 | 15.9 |
| Tennessee..... | 1,852 | 2.6 | 10.1 | 776 | .4 | 5.1 | -- | -- | -- |
| West South Central | 36 | 2.2 | 27.6 | 9,092 | .3 | 5.1 | 3,631 | 1.1 | 16.7 |
| Arkansas..... | -- | -- | -- | 1,472 | .3 | 4.9 | -- | -- | -- |
| Louisiana..... | -- | -- | -- | 907 | .3 | 4.8 | 371 | .7 | 12.4 |
| Oklahoma..... | 36 | 2.2 | 27.6 | 1,864 | .3 | 5.2 | -- | -- | -- |
| Texas..... | -- | -- | -- | 4,848 | .3 | 5.2 | 3,260 | 1.1 | 17.2 |
| Mountain | 3,537 | .6 | 14.3 | 6,486 | .5 | 9.0 | 29 | .9 | 14.4 |
| Arizona..... | 995 | .6 | 11.6 | 1,057 | .6 | 8.9 | -- | -- | -- |
| Colorado..... | 473 | .5 | 11.5 | 1,315 | .3 | 5.7 | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | 998 | .7 | 9.4 | 29 | .9 | 14.4 |
| Nevada..... | 81 | .4 | 10.9 | 150 | .4 | 6.6 | -- | -- | -- |
| New Mexico..... | 815 | .8 | 22.7 | 588 | .7 | 21.7 | -- | -- | -- |
| Utah..... | 1,173 | .5 | 12.1 | 302 | .6 | 10.0 | -- | -- | -- |
| Wyoming..... | -- | -- | -- | 2,076 | .5 | 7.3 | -- | -- | -- |
| Pacific Contiguous | 129 | .6 | 11.9 | 737 | .3 | 8.1 | -- | -- | -- |
| California..... | 129 | .6 | 11.9 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | 248 | .3 | 5.1 | -- | -- | -- |
| Washington..... | -- | -- | -- | 489 | .4 | 9.7 | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 37,872 | 1.8 | 11.1 | 44,396 | .3 | 5.7 | 5,829 | .9 | 14.3 |

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, 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;" 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 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, November 2008
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|------------------------------------|---------------|------------|-------------|---------------|-----------|------------|--------------|------------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England | 142 | 1.4 | 7.3 | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | 142 | 1.4 | 7.3 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 9 | 2.3 | 8.7 | -- | -- | -- | -- | -- | -- |
| New Jersey..... | 2 | 1.4 | 7.6 | -- | -- | -- | -- | -- | -- |
| New York..... | 7 | 2.6 | 9.1 | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East North Central | 7,397 | 2.3 | 10.0 | 7,294 | .3 | 4.9 | -- | -- | -- |
| Illinois..... | 137 | 3.4 | 11.0 | -- | -- | -- | -- | -- | -- |
| Indiana..... | 3,366 | 2.3 | 9.3 | 1,997 | .2 | 4.8 | -- | -- | -- |
| Michigan..... | 689 | 1.2 | 9.2 | 2,852 | .3 | 5.0 | -- | -- | -- |
| Ohio..... | 3,059 | 2.5 | 10.9 | 351 | .2 | 5.1 | -- | -- | -- |
| Wisconsin..... | 146 | .7 | 9.7 | 2,094 | .3 | 5.0 | -- | -- | -- |
| West North Central | 195 | 2.3 | 9.8 | 10,412 | .3 | 5.4 | 2,047 | .7 | 10.1 |
| Iowa..... | 62 | 1.8 | 8.1 | 2,082 | .3 | 5.2 | -- | -- | -- |
| Kansas..... | 16 | 3.9 | 15.8 | 1,548 | .3 | 5.2 | -- | -- | -- |
| Minnesota..... | 13 | 1.8 | 11.1 | 1,543 | .4 | 6.4 | -- | -- | -- |
| Missouri..... | 104 | 2.5 | 9.7 | 3,964 | .3 | 5.2 | -- | -- | -- |
| Nebraska..... | -- | -- | -- | 1,033 | .3 | 5.4 | -- | -- | -- |
| North Dakota..... | -- | -- | -- | 65 | .3 | 5.7 | 2,047 | .7 | 10.1 |
| South Dakota..... | -- | -- | -- | 178 | .3 | 5.3 | -- | -- | -- |
| South Atlantic | 10,719 | 1.3 | 11.1 | 1,273 | .3 | 4.6 | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 2,314 | 1.4 | 10.0 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 2,076 | 1.1 | 11.0 | 1,123 | .3 | 4.6 | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 2,449 | 1.0 | 11.8 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 1,232 | 1.3 | 11.0 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 678 | 1.1 | 10.3 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 1,969 | 1.6 | 11.9 | 150 | .2 | 5.2 | -- | -- | -- |
| East South Central | 7,120 | 2.3 | 11.1 | 2,152 | .3 | 5.0 | -- | -- | -- |
| Alabama..... | 1,889 | 1.6 | 11.7 | 1,075 | .3 | 5.0 | -- | -- | -- |
| Kentucky..... | 3,224 | 2.7 | 11.2 | 221 | .4 | 5.2 | -- | -- | -- |
| Mississippi..... | 306 | .7 | 10.6 | 80 | .2 | 4.3 | -- | -- | -- |
| Tennessee..... | 1,702 | 2.8 | 10.4 | 776 | .4 | 5.1 | -- | -- | -- |
| West South Central | -- | -- | -- | 5,935 | .3 | 5.1 | 1,003 | 1.4 | 18.2 |
| Arkansas..... | -- | -- | -- | 1,472 | .3 | 4.9 | -- | -- | -- |
| Louisiana..... | -- | -- | -- | 262 | .3 | 5.1 | 371 | .7 | 12.4 |
| Oklahoma..... | -- | -- | -- | 1,719 | .3 | 5.1 | -- | -- | -- |
| Texas..... | -- | -- | -- | 2,482 | .3 | 5.2 | 632 | 1.8 | 21.6 |
| Mountain | 3,537 | .6 | 14.3 | 5,284 | .5 | 9.0 | 29 | .9 | 14.4 |
| Arizona..... | 995 | .6 | 11.6 | 1,020 | .6 | 8.9 | -- | -- | -- |
| Colorado..... | 473 | .5 | 11.5 | 1,315 | .3 | 5.7 | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | * | .7 | 9.4 | 29 | .9 | 14.4 |
| Nevada..... | 81 | .4 | 10.9 | 73 | .4 | 8.2 | -- | -- | -- |
| New Mexico..... | 815 | .8 | 22.7 | 588 | .7 | 21.7 | -- | -- | -- |
| Utah..... | 1,173 | .5 | 12.1 | 302 | .6 | 10.0 | -- | -- | -- |
| Wyoming..... | -- | -- | -- | 1,986 | .5 | 7.3 | -- | -- | -- |
| Pacific Contiguous | -- | -- | -- | 248 | .3 | 5.1 | -- | -- | -- |
| California..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | 248 | .3 | 5.1 | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 29,120 | 1.7 | 11.2 | 32,599 | .3 | 5.8 | 3,078 | 1.0 | 12.8 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" 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 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, November 2008
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|------------------------------------|--------------|------------|-------------|---------------|-----------|------------|--------------|-----------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England | 403 | .6 | 8.2 | 101 | .1 | 2.0 | -- | -- | -- |
| Connecticut..... | 39 | 1.0 | 11.6 | 101 | .1 | 2.0 | -- | -- | -- |
| Maine..... | 2 | .8 | 7.0 | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 362 | .6 | 7.8 | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 4,007 | 2.3 | 10.6 | 566 | .3 | 4.3 | -- | -- | -- |
| New Jersey..... | 286 | 1.4 | 7.6 | 128 | .1 | 2.3 | -- | -- | -- |
| New York..... | 442 | 2.6 | 9.2 | 313 | .3 | 4.9 | -- | -- | -- |
| Pennsylvania..... | 3,279 | 2.4 | 11.1 | 125 | .3 | 4.8 | -- | -- | -- |
| East North Central | 776 | 1.9 | 10.6 | 5,948 | .2 | 4.9 | -- | -- | -- |
| Illinois..... | 92 | 3.1 | 9.2 | 5,014 | .2 | 4.9 | -- | -- | -- |
| Indiana..... | 136 | 2.4 | 11.7 | 124 | .3 | 4.7 | -- | -- | -- |
| Michigan..... | 17 | 1.4 | 9.6 | 5 | .4 | 5.5 | -- | -- | -- |
| Ohio..... | 529 | 1.6 | 10.6 | 805 | .3 | 5.0 | -- | -- | -- |
| Wisconsin..... | 2 | 1.0 | 9.5 | -- | -- | -- | -- | -- | -- |
| West North Central | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 2,233 | 1.9 | 11.2 | 84 | .2 | 5.0 | -- | -- | -- |
| Delaware..... | 156 | .8 | 11.2 | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 179 | 1.0 | 12.2 | -- | -- | -- | -- | -- | -- |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | 734 | 1.2 | 10.5 | 26 | .2 | 5.1 | -- | -- | -- |
| North Carolina..... | 105 | 1.0 | 11.8 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 1 | 1.3 | 10.9 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 261 | .9 | 9.8 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 797 | 3.4 | 11.9 | 58 | .2 | 5.0 | -- | -- | -- |
| East South Central | 353 | 3.0 | 10.2 | -- | -- | -- | 122 | .5 | 15.9 |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 353 | 3.0 | 10.2 | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | 122 | .5 | 15.9 |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central | 29 | 2.2 | 27.6 | 3,121 | .3 | 5.2 | 2,628 | .9 | 16.1 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | -- | -- | -- | 645 | .3 | 4.6 | -- | -- | -- |
| Oklahoma..... | 29 | 2.2 | 27.6 | 110 | .8 | 6.5 | -- | -- | -- |
| Texas..... | -- | -- | -- | 2,366 | .3 | 5.2 | 2,628 | .9 | 16.1 |
| Mountain | -- | -- | -- | 1,165 | .7 | 8.9 | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | 998 | .7 | 9.4 | -- | -- | -- |
| Nevada..... | -- | -- | -- | 77 | .3 | 5.0 | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | 90 | .4 | 6.8 | -- | -- | -- |
| Pacific Contiguous | 76 | .7 | 12.4 | 479 | .4 | 9.8 | -- | -- | -- |
| California..... | 76 | .7 | 12.4 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | 479 | .4 | 9.8 | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 7,877 | 2.1 | 10.7 | 11,465 | .3 | 5.6 | 2,750 | .9 | 16.1 |

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2008 are preliminary. • Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Combined Heat and Power Producers by State, November 2008
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|------------------------------------|------------|----------|-------|---------------|----------|-------|----------|----------|-------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East North Central | 26 | 2.0 | 9.3 | -- | -- | -- | -- | -- | -- |
| Illinois..... | 9 | 3.0 | 8.4 | -- | -- | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 17 | 1.5 | 9.8 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central | 10 | 3.2 | 9.2 | -- | -- | -- | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | 10 | 3.2 | 9.2 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mountain | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| California..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 36 | 2.3 | 9.3 | -- | -- | -- | -- | -- | -- |

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2008 are preliminary. • Values include a small number of commercial electricity-only plants. • Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Combined Heat and Power Producers by State, November 2008
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|------------------------------------|------------|------------|-------------|---------------|-----------|------------|-----------|-----------|-----------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England | 5 | .8 | 6.3 | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | 5 | .8 | 6.3 | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 66 | 2.4 | 10.6 | 42 | .3 | 5.7 | -- | -- | -- |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 22 | 2.3 | 7.8 | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | 44 | 2.5 | 12.0 | 42 | .3 | 5.7 | -- | -- | -- |
| East North Central | 252 | 3.0 | 10.1 | 99 | .4 | 5.3 | -- | -- | -- |
| Illinois..... | 166 | 3.1 | 10.0 | 79 | .4 | 5.5 | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 11 | .9 | 10.0 | -- | -- | -- | -- | -- | -- |
| Ohio..... | 29 | 4.6 | 12.4 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 46 | 1.9 | 8.9 | 20 | .2 | 4.6 | -- | -- | -- |
| West North Central | 50 | 3.2 | 8.7 | 109 | .4 | 5.8 | -- | -- | -- |
| Iowa..... | 50 | 3.2 | 8.7 | 67 | .3 | 5.4 | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | 43 | .4 | 6.4 | -- | -- | -- |
| Missouri..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 239 | 1.1 | 12.4 | -- | -- | -- | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 19 | 1.4 | 10.2 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 67 | .9 | 11.6 | -- | -- | -- | -- | -- | -- |
| Maryland..... | 37 | 2.2 | 20.6 | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 50 | .9 | 11.6 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 26 | .9 | 9.1 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 18 | .8 | 8.1 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 23 | 1.2 | 12.5 | -- | -- | -- | -- | -- | -- |
| East South Central | 166 | .9 | 7.8 | -- | -- | -- | -- | -- | -- |
| Alabama..... | 16 | 1.1 | 7.8 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 151 | .8 | 7.8 | -- | -- | -- | -- | -- | -- |
| West South Central | 7 | 2.2 | 27.6 | 35 | .3 | 5.2 | -- | -- | -- |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | 7 | 2.2 | 27.6 | 35 | .3 | 5.2 | -- | -- | -- |
| Texas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mountain | * | .4 | 10.6 | 37 | .6 | 8.9 | -- | -- | -- |
| Arizona..... | -- | -- | -- | 37 | .6 | 8.9 | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | * | .4 | 10.6 | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 53 | .4 | 11.2 | 9 | .4 | 5.3 | -- | -- | -- |
| California..... | 53 | .4 | 11.2 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | 9 | .4 | 5.3 | -- | -- | -- |
| Pacific Noncontiguous | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 839 | 1.8 | 10.4 | 332 | .4 | 5.9 | -- | -- | -- |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2008 are preliminary. • Values include a small number of industrial electricity-only plants. • Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" 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 5. Retail Sales, Revenue, and Average Retail Price of Electricity

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 1994 through November 2008
(Million Kilowatthours)

| Period | Residential | Commercial | Industrial | Transportation ¹ | Other | All Sectors |
|---|------------------|------------------|------------------|-----------------------------|-----------|------------------|
| 1994 | 1,008,482 | 820,269 | 1,007,981 | NA | 97,830 | 2,934,563 |
| 1995 | 1,042,501 | 862,685 | 1,012,693 | NA | 95,407 | 3,013,287 |
| 1996 | 1,082,512 | 887,445 | 1,033,631 | NA | 97,539 | 3,101,127 |
| 1997 | 1,075,880 | 928,633 | 1,038,197 | NA | 102,901 | 3,145,610 |
| 1998 | 1,130,109 | 979,401 | 1,051,203 | NA | 103,518 | 3,264,231 |
| 1999 | 1,144,923 | 1,001,996 | 1,058,217 | NA | 106,952 | 3,312,087 |
| 2000 | 1,192,446 | 1,055,232 | 1,064,239 | NA | 109,496 | 3,421,414 |
| 2001 | 1,201,607 | 1,083,069 | 996,609 | NA | 113,174 | 3,394,458 |
| 2002 | 1,265,180 | 1,104,497 | 990,238 | NA | 105,552 | 3,465,466 |
| 2003 | 1,275,824 | 1,198,728 | 1,012,373 | 6,810 | -- | 3,493,734 |
| 2004 | 1,291,982 | 1,230,425 | 1,017,850 | 7,224 | -- | 3,547,479 |
| 2005 | 1,359,227 | 1,275,079 | 1,019,156 | 7,506 | -- | 3,660,969 |
| 2006 | | | | | | |
| January | 120,419 | 101,933 | 81,865 | 649 | -- | 304,866 |
| February | 104,511 | 95,713 | 80,207 | 615 | -- | 281,046 |
| March | 104,955 | 101,115 | 83,264 | 636 | -- | 289,970 |
| April | 89,374 | 96,551 | 81,696 | 587 | -- | 268,208 |
| May | 94,000 | 106,442 | 86,179 | 577 | -- | 287,198 |
| June | 118,815 | 115,785 | 86,630 | 609 | -- | 321,840 |
| July | 147,338 | 125,541 | 88,880 | 627 | -- | 362,387 |
| August | 150,064 | 127,655 | 90,285 | 630 | -- | 368,634 |
| September | 116,072 | 114,231 | 86,364 | 615 | -- | 317,282 |
| October | 96,246 | 109,000 | 85,337 | 602 | -- | 291,186 |
| November | 94,843 | 101,104 | 80,653 | 582 | -- | 277,182 |
| December | 114,882 | 104,673 | 79,937 | 627 | -- | 300,119 |
| Total | 1,351,520 | 1,299,744 | 1,011,298 | 7,358 | -- | 3,669,919 |
| 2007 | | | | | | |
| January | 125,286 | 106,667 | 82,384 | 766 | -- | 315,104 |
| February | 121,464 | 100,756 | 78,392 | 719 | -- | 301,331 |
| March | 105,695 | 102,640 | 82,582 | 743 | -- | 291,660 |
| April | 90,282 | 101,051 | 83,361 | 646 | -- | 275,341 |
| May | 96,389 | 108,559 | 87,241 | 611 | -- | 292,800 |
| June | 117,418 | 117,352 | 87,572 | 665 | -- | 323,007 |
| July | 139,027 | 123,923 | 89,017 | 675 | -- | 352,642 |
| August | 150,101 | 130,475 | 92,115 | 673 | -- | 373,365 |
| September | 129,512 | 119,898 | 87,428 | 687 | -- | 337,525 |
| October | 103,754 | 114,481 | 88,896 | 652 | -- | 307,783 |
| November | 95,905 | 104,603 | 85,118 | 673 | -- | 286,299 |
| December | 117,408 | 105,909 | 83,725 | 663 | -- | 307,704 |
| Total | 1,392,241 | 1,336,315 | 1,027,832 | 8,173 | -- | 3,764,561 |
| 2008 | | | | | | |
| January | 133,623 | 109,646 | 83,368 | 693 | -- | 327,330 |
| February | 119,138 | 105,045 | 81,678 | 668 | -- | 306,528 |
| March | 107,602 | 103,826 | 83,585 | 634 | -- | 295,647 |
| April | 92,513 | 103,506 | 82,281 | 614 | -- | 278,913 |
| May | 92,559 | 108,472 | 89,497 | 596 | -- | 291,124 |
| June | 121,758 | 121,321 | 85,618 | 622 | -- | 329,319 |
| July | 144,003 | 130,907 | 87,370 | 644 | -- | 362,925 |
| August | 139,511 | 127,484 | 87,189 | 640 | -- | 354,824 |
| September | 118,343 | 121,521 | 84,899 | 625 | -- | 325,388 |
| October | 96,607 | 112,892 | 83,007 | 628 | -- | 293,134 |
| November | 96,153 | 104,245 | 78,610 | 616 | -- | 279,623 |
| Total | 1,261,810 | 1,248,865 | 927,102 | 6,978 | -- | 3,444,755 |
| Year to Date | | | | | | |
| 2006 | 1,236,638 | 1,195,071 | 931,360 | 6,730 | -- | 3,369,800 |
| 2007 | 1,274,833 | 1,230,407 | 944,107 | 7,509 | -- | 3,456,856 |
| 2008 | 1,261,810 | 1,248,865 | 927,102 | 6,978 | -- | 3,444,755 |
| Rolling 12 Months Ending in November | | | | | | |
| 2007 | 1,389,715 | 1,335,080 | 1,024,045 | 8,137 | -- | 3,756,976 |
| 2008 | 1,379,218 | 1,354,774 | 1,010,826 | 7,642 | -- | 3,752,460 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.

Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Sales values for 1996-2007 include energy service provider (power marketer) data. • Values for 2007 and prior years are final. • Values for 2008 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. • Retail 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 retail 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: 2006-2008: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 1994 through November 2008
(Million Dollars)

| Period | Residential | Commercial | Industrial ¹ | Transportation ¹ | Other | All Sectors |
|---|----------------|----------------|-------------------------|-----------------------------|-----------|----------------|
| 1994 | 84,552 | 63,396 | 48,069 | NA | 6,689 | 202,706 |
| 1995 | 87,610 | 66,365 | 47,175 | NA | 6,567 | 207,717 |
| 1996 | 90,503 | 67,829 | 47,536 | NA | 6,741 | 212,609 |
| 1997 | 90,704 | 70,497 | 47,023 | NA | 7,110 | 215,334 |
| 1998 | 93,360 | 72,575 | 47,050 | NA | 6,863 | 219,848 |
| 1999 | 93,483 | 72,771 | 46,846 | NA | 6,796 | 219,896 |
| 2000 | 98,209 | 78,405 | 49,369 | NA | 7,179 | 233,163 |
| 2001 | 103,158 | 85,741 | 50,293 | NA | 8,151 | 247,343 |
| 2002 | 106,834 | 87,117 | 48,336 | NA | 7,124 | 249,411 |
| 2003 | 111,249 | 96,263 | 51,741 | 514 | -- | 259,767 |
| 2004 | 115,577 | 100,546 | 53,477 | 519 | -- | 270,119 |
| 2005 | 128,393 | 110,522 | 58,445 | 643 | -- | 298,003 |
| 2006 | | | | | | |
| January | 11,496 | 9,043 | 4,734 | 57 | -- | 25,330 |
| February | 10,243 | 8,753 | 4,796 | 56 | -- | 23,848 |
| March | 10,358 | 9,165 | 4,893 | 58 | -- | 24,473 |
| April | 9,220 | 8,851 | 4,848 | 53 | -- | 22,972 |
| May | 9,974 | 9,816 | 5,174 | 53 | -- | 25,016 |
| June | 12,889 | 11,434 | 5,552 | 60 | -- | 29,934 |
| July | 16,148 | 12,520 | 5,879 | 65 | -- | 34,613 |
| August | 16,410 | 12,818 | 6,007 | 64 | -- | 35,299 |
| September | 12,702 | 11,300 | 5,498 | 62 | -- | 29,562 |
| October | 10,187 | 10,368 | 5,260 | 60 | -- | 25,876 |
| November | 9,655 | 9,344 | 4,873 | 55 | -- | 23,927 |
| December | 11,300 | 9,503 | 4,792 | 60 | -- | 25,656 |
| Total | 140,582 | 122,914 | 62,308 | 702 | -- | 326,506 |
| 2007 | | | | | | |
| January | 12,599 | 9,733 | 5,048 | 68 | -- | 27,448 |
| February | 12,016 | 9,410 | 4,829 | 67 | -- | 26,323 |
| March | 10,854 | 9,597 | 5,134 | 82 | -- | 25,666 |
| April | 9,595 | 9,479 | 5,161 | 61 | -- | 24,296 |
| May | 10,385 | 10,328 | 5,468 | 60 | -- | 26,242 |
| June | 13,019 | 11,672 | 5,769 | 66 | -- | 30,525 |
| July | 15,396 | 12,568 | 5,974 | 71 | -- | 34,010 |
| August | 16,621 | 13,143 | 6,296 | 67 | -- | 36,128 |
| September | 14,189 | 11,873 | 5,700 | 67 | -- | 31,829 |
| October | 11,226 | 11,182 | 5,740 | 63 | -- | 28,211 |
| November | 10,264 | 9,938 | 5,348 | 59 | -- | 25,609 |
| December | 12,130 | 9,980 | 5,245 | 61 | -- | 27,416 |
| Total | 148,295 | 128,903 | 65,712 | 792 | -- | 343,703 |
| 2008 | | | | | | |
| January | 13,635 | 10,453 | 5,227 | 70 | -- | 29,385 |
| February | 12,201 | 9,990 | 5,213 | 74 | -- | 27,478 |
| March | 11,319 | 10,035 | 5,444 | 69 | -- | 26,868 |
| April | 10,144 | 10,109 | 5,522 | 64 | -- | 25,840 |
| May | 10,577 | 10,915 | 6,059 | 66 | -- | 27,617 |
| June | 14,372 | 13,202 | 6,353 | 73 | -- | 34,001 |
| July | 17,410 | 14,509 | 6,773 | 79 | -- | 38,770 |
| August | 16,879 | 14,107 | 6,638 | 80 | -- | 37,705 |
| September | 14,133 | 13,087 | 6,249 | 82 | -- | 33,550 |
| October | 11,458 | 11,845 | 6,010 | 69 | -- | 29,381 |
| November | 11,029 | 10,564 | 5,549 | 65 | -- | 27,207 |
| Total | 143,158 | 128,815 | 65,035 | 793 | -- | 337,801 |
| Year to Date | | | | | | |
| 2006 | 129,282 | 113,411 | 57,515 | 642 | -- | 300,850 |
| 2007 | 136,164 | 118,923 | 60,467 | 732 | -- | 316,287 |
| 2008 | 143,158 | 128,815 | 65,035 | 793 | -- | 337,801 |
| Rolling 12 Months Ending in November | | | | | | |
| 2007 | 147,465 | 128,426 | 65,260 | 791 | -- | 341,942 |
| 2008 | 155,289 | 138,795 | 70,280 | 853 | -- | 365,217 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NA = Not available. Form EIA-767 data collection was suspended in the data year 2006.

Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Revenue values for 1996-2007 include energy service provider (power marketer) data. • Values for 2007 and prior years are final. • Values for 2008 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. • Values for 1996 in the commercial and industrial sectors reflect an electric utility's reclassification for this information by Standard Industrial Classification. • 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. • Retail 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 retail 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. • Totals may not equal sum of components because of independent rounding.

Sources: 2006-2008: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 1994 through November 2008
(Cents per Kilowatthour)

| Period | Residential | Commercial | Industrial ¹ | Transportation ¹ | Other | All Sectors |
|---|--------------|--------------|-------------------------|-----------------------------|-----------|-------------|
| 1994 | 8.38 | 7.73 | 4.77 | NA | 6.84 | 6.91 |
| 1995 | 8.40 | 7.69 | 4.66 | NA | 6.88 | 6.89 |
| 1996 | 8.36 | 7.64 | 4.60 | NA | 6.91 | 6.86 |
| 1997 | 8.43 | 7.59 | 4.53 | NA | 6.91 | 6.85 |
| 1998 | 8.26 | 7.41 | 4.48 | NA | 6.63 | 6.74 |
| 1999 | 8.16 | 7.26 | 4.43 | NA | 6.35 | 6.64 |
| 2000 | 8.24 | 7.43 | 4.64 | NA | 6.56 | 6.81 |
| 2001 | 8.58 | 7.92 | 5.05 | NA | 7.20 | 7.29 |
| 2002 | 8.44 | 7.89 | 4.88 | NA | 6.75 | 7.20 |
| 2003 | 8.72 | 8.03 | 5.11 | 7.54 | -- | 7.44 |
| 2004 | 8.95 | 8.17 | 5.25 | 7.18 | -- | 7.61 |
| 2005 | 9.45 | 8.67 | 5.73 | 8.57 | -- | 8.14 |
| 2006 | | | | | | |
| January | 9.55 | 8.87 | 5.78 | 8.75 | -- | 8.31 |
| February | 9.80 | 9.14 | 5.98 | 9.18 | -- | 8.49 |
| March | 9.87 | 9.06 | 5.88 | 9.06 | -- | 8.44 |
| April | 10.32 | 9.17 | 5.93 | 8.97 | -- | 8.56 |
| May | 10.61 | 9.22 | 6.00 | 9.12 | -- | 8.71 |
| June | 10.85 | 9.88 | 6.41 | 9.82 | -- | 9.30 |
| July | 10.96 | 9.97 | 6.61 | 10.30 | -- | 9.55 |
| August | 10.94 | 10.04 | 6.65 | 10.20 | -- | 9.58 |
| September | 10.94 | 9.89 | 6.37 | 10.11 | -- | 9.32 |
| October | 10.58 | 9.51 | 6.16 | 10.02 | -- | 8.89 |
| November | 10.18 | 9.24 | 6.04 | 9.40 | -- | 8.63 |
| December | 9.84 | 9.08 | 6.00 | 9.56 | -- | 8.55 |
| Total | 10.40 | 9.46 | 6.16 | 9.54 | -- | 8.90 |
| 2007 | | | | | | |
| January | 10.06 | 9.12 | 6.13 | 8.92 | -- | 8.71 |
| February | 9.89 | 9.34 | 6.16 | 9.38 | -- | 8.74 |
| March | 10.27 | 9.35 | 6.22 | 11.04 | -- | 8.80 |
| April | 10.63 | 9.38 | 6.19 | 9.42 | -- | 8.82 |
| May | 10.77 | 9.51 | 6.27 | 9.84 | -- | 8.96 |
| June | 11.09 | 9.95 | 6.59 | 9.88 | -- | 9.45 |
| July | 11.07 | 10.14 | 6.71 | 10.57 | -- | 9.64 |
| August | 11.07 | 10.07 | 6.84 | 9.98 | -- | 9.68 |
| September | 10.96 | 9.90 | 6.52 | 9.76 | -- | 9.43 |
| October | 10.82 | 9.77 | 6.46 | 9.61 | -- | 9.17 |
| November | 10.70 | 9.50 | 6.28 | 8.76 | -- | 8.94 |
| December | 10.33 | 9.42 | 6.26 | 9.19 | -- | 8.91 |
| Total | 10.65 | 9.65 | 6.39 | 9.70 | -- | 9.13 |
| 2008 | | | | | | |
| January | 10.20 | 9.53 | 6.27 | 10.09 | -- | 8.98 |
| February | 10.24 | 9.51 | 6.38 | 11.14 | -- | 8.96 |
| March | 10.52 | 9.67 | 6.51 | 10.96 | -- | 9.09 |
| April | 10.97 | 9.77 | 6.71 | 10.49 | -- | 9.26 |
| May | 11.43 | 10.06 | 6.77 | 11.10 | -- | 9.49 |
| June | 11.80 | 10.88 | 7.42 | 11.79 | -- | 10.33 |
| July | 12.09 | 11.08 | 7.75 | 12.19 | -- | 10.68 |
| August | 12.10 | 11.07 | 7.61 | 12.58 | -- | 10.63 |
| September | 11.94 | 10.77 | 7.36 | 13.16 | -- | 10.31 |
| October | 11.86 | 10.49 | 7.24 | 10.91 | -- | 10.02 |
| November | 11.47 | 10.13 | 7.06 | 10.61 | -- | 9.73 |
| Total | 11.35 | 10.32 | 7.02 | 11.36 | -- | 9.81 |
| Year to Date | | | | | | |
| 2006 | 10.45 | 9.49 | 6.18 | 9.54 | -- | 8.93 |
| 2007 | 10.68 | 9.67 | 6.40 | 9.74 | -- | 9.15 |
| 2008 | 11.35 | 10.32 | 7.02 | 11.36 | -- | 9.81 |
| Rolling 12 Months Ending in November | | | | | | |
| 2007 | 10.61 | 9.62 | 6.37 | 9.73 | -- | 9.10 |
| 2008 | 11.26 | 10.24 | 6.95 | 11.17 | -- | 9.73 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NA = Not available. Form EIA-767 data collection was suspended in the data year 2006.

Notes: • See Glossary for definitions. • Prices are calculated by dividing revenue by sales. Revenue may not correspond to sales for a particular month because of energy service provider billing and accounting procedures. That lack of correspondence could result in uncharacteristic increases or decreases in the monthly prices. • Geographic coverage is the 50 States and the District of Columbia. • Average Revenue values for 1996-2007 include energy service provider (power marketer) data. • Values for 2008 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Values for 2007 and prior years are final. • 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. • Values for 1996 in the commercial and industrial sectors reflect an electric utility's reclassification for this information by Standard Industrial Classification. • 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Totals may not equal sum of components because of independent rounding.

Sources: 2006-2008: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2008 and 2007

(Million Kilowatthours)

| Census Division and State | Residential | | Commercial ¹ | | Industrial ¹ | | Transportation ¹ | | All Sectors | |
|-----------------------------------|---------------|---------------|-------------------------|----------------|-------------------------|---------------|-----------------------------|------------|----------------|----------------|
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England..... | 3,698 | 3,638 | 4,402 | 4,443 | 1,797 | 1,889 | 43 | 49 | 9,940 | 10,020 |
| Connecticut..... | 1,022 | 1,018 | 1,151 | 1,231 | 403 | 446 | 15 | 17 | 2,590 | 2,713 |
| Maine..... | 378 | 356 | 339 | 315 | 295 | 271 | -- | -- | 1,012 | 942 |
| Massachusetts..... | 1,533 | 1,513 | 2,078 | 2,081 | 701 | 760 | 28 | 32 | 4,341 | 4,386 |
| New Hampshire..... | 347 | 351 | 349 | 361 | 165 | 180 | -- | -- | 862 | 892 |
| Rhode Island..... | 251 | 226 | 326 | 294 | 98 | 100 | -- | -- | 675 | 620 |
| Vermont..... | 167 | 175 | 159 | 162 | 133 | 132 | -- | -- | 460 | 469 |
| Middle Atlantic..... | 9,738 | 9,769 | 12,739 | 12,625 | 5,792 | 6,694 | 341 | 384 | 28,610 | 29,472 |
| New Jersey..... | 2,030 | 2,077 | 3,115 | 3,148 | 724 | 923 | 28 | 24 | 5,897 | 6,172 |
| New York..... | 3,581 | 3,713 | 5,942 | 5,789 | 1,232 | 1,717 | 242 | 276 | 10,998 | 11,495 |
| Pennsylvania..... | 4,128 | 3,979 | 3,681 | 3,688 | 3,835 | 4,055 | 70 | 85 | 11,715 | 11,806 |
| East North Central..... | 14,198 | 13,764 | 15,800 | 14,962 | 14,586 | 17,394 | 43 | 45 | 44,628 | 46,164 |
| Illinois..... | 3,543 | 3,478 | 5,513 | 4,277 | 2,012 | 3,438 | 38 | 40 | 11,106 | 11,234 |
| Indiana..... | 2,512 | 2,408 | 1,856 | 1,885 | 3,591 | 4,071 | 1 | 2 | 7,961 | 8,366 |
| Michigan..... | 2,452 | 2,515 | 3,070 | 3,434 | 2,519 | 2,876 | * | * | 8,041 | 8,825 |
| Ohio..... | 3,982 | 3,726 | 3,559 | 3,566 | 4,550 | 4,941 | 3 | 3 | 12,094 | 12,236 |
| Wisconsin..... | 1,710 | 1,636 | 1,801 | 1,800 | 1,914 | 2,068 | -- | -- | 5,425 | 5,504 |
| West North Central..... | 7,389 | 7,105 | 7,615 | 7,633 | 7,030 | 7,359 | 4 | 3 | 22,037 | 22,100 |
| Iowa..... | 981 | 926 | 866 | 934 | 1,624 | 1,662 | NM | -- | 3,471 | 3,523 |
| Kansas..... | 881 | 924 | 1,127 | 1,171 | 827 | 929 | -- | -- | 2,834 | 3,024 |
| Minnesota..... | 1,666 | 1,620 | 1,793 | 1,738 | 1,879 | 1,936 | 2 | 2 | 5,340 | 5,296 |
| Missouri..... | 2,466 | 2,311 | 2,349 | 2,359 | 1,482 | 1,557 | 2 | 2 | 6,298 | 6,229 |
| Nebraska..... | 681 | 663 | 768 | 748 | 744 | 779 | -- | -- | 2,193 | 2,190 |
| North Dakota..... | 371 | 344 | 371 | 352 | 293 | 311 | -- | -- | 1,034 | 1,008 |
| South Dakota..... | 344 | 316 | 341 | 330 | 180 | 183 | -- | -- | 866 | 830 |
| South Atlantic..... | 23,841 | 24,067 | 23,470 | 24,239 | 12,157 | 12,849 | 101 | 108 | 59,568 | 61,263 |
| Delaware..... | 281 | 293 | 315 | 331 | 240 | 286 | -- | -- | 836 | 911 |
| District of Columbia..... | 125 | 124 | 713 | 735 | 22 | 24 | 25 | 27 | 885 | 909 |
| Florida..... | 7,769 | 8,582 | 7,325 | 7,706 | 1,542 | 1,583 | 7 | 7 | 16,643 | 17,878 |
| Georgia..... | 3,629 | 3,549 | 3,542 | 3,584 | 2,470 | 2,662 | 14 | 14 | 9,654 | 9,809 |
| Maryland..... | 2,023 | 1,869 | 2,117 | 2,390 | 640 | 513 | 43 | 44 | 4,822 | 4,816 |
| North Carolina..... | 3,722 | 3,680 | 3,664 | 3,616 | 2,219 | 2,434 | 1 | * | 9,605 | 9,731 |
| South Carolina..... | 2,008 | 1,949 | 1,555 | 1,624 | 2,238 | 2,492 | -- | -- | 5,800 | 6,065 |
| Virginia..... | 3,285 | 3,128 | 3,604 | 3,613 | 1,482 | 1,582 | 12 | 15 | 8,383 | 8,338 |
| West Virginia..... | 999 | 893 | 635 | 640 | 1,305 | 1,273 | * | * | 2,940 | 2,807 |
| East South Central..... | 7,985 | 7,705 | 6,342 | 6,523 | 10,640 | 11,354 | * | * | 24,966 | 25,582 |
| Alabama..... | 2,067 | 1,962 | 1,646 | 1,698 | 2,563 | 2,947 | -- | -- | 6,276 | 6,607 |
| Kentucky..... | 1,993 | 1,828 | 1,470 | 1,530 | 4,016 | 4,081 | -- | -- | 7,479 | 7,438 |
| Mississippi..... | 1,156 | 1,191 | 1,013 | 1,045 | 1,284 | 1,387 | -- | -- | 3,452 | 3,624 |
| Tennessee..... | 2,769 | 2,723 | 2,213 | 2,251 | 2,777 | 2,938 | * | * | 7,759 | 7,913 |
| West South Central..... | 12,566 | 12,261 | 12,954 | 12,740 | 13,196 | 13,984 | 6 | 6 | 38,721 | 38,991 |
| Arkansas..... | 1,072 | 1,087 | 889 | 913 | 1,291 | 1,484 | -- | -- | 3,252 | 3,484 |
| Louisiana..... | 2,101 | 1,869 | 2,124 | 1,814 | 3,020 | 2,298 | * | * | 7,246 | 5,981 |
| Oklahoma..... | 1,307 | 1,341 | 1,393 | 1,492 | 1,143 | 1,218 | -- | -- | 3,843 | 4,051 |
| Texas..... | 8,086 | 7,964 | 8,547 | 8,521 | 7,741 | 8,984 | 5 | 6 | 24,380 | 25,475 |
| Mountain..... | 6,111 | 6,302 | 7,463 | 7,454 | 6,226 | 6,370 | 7 | 7 | 19,807 | 20,133 |
| Arizona..... | 1,913 | 1,999 | 2,329 | 2,356 | 1,005 | 1,017 | -- | -- | 5,246 | 5,372 |
| Colorado..... | 1,286 | 1,322 | 1,683 | 1,672 | 1,084 | 1,091 | 4 | 4 | 4,057 | 4,089 |
| Idaho..... | 702 | 726 | 494 | 492 | 535 | 566 | -- | -- | 1,731 | 1,784 |
| Montana..... | 364 | 353 | 369 | 373 | 444 | 509 | -- | -- | 1,177 | 1,235 |
| Nevada..... | 575 | 598 | 696 | 714 | 1,119 | 1,144 | 1 | 1 | 2,391 | 2,456 |
| New Mexico..... | 449 | 444 | 690 | 713 | 544 | 567 | -- | -- | 1,682 | 1,724 |
| Utah..... | 622 | 658 | 833 | 808 | 698 | 722 | 3 | 3 | 2,155 | 2,190 |
| Wyoming..... | 202 | 203 | 369 | 326 | 797 | 755 | -- | -- | 1,369 | 1,283 |
| Pacific Contiguous..... | 10,191 | 10,850 | 12,929 | 13,458 | 6,768 | 6,788 | 71 | 70 | 29,959 | 31,166 |
| California..... | 5,975 | 6,330 | 9,311 | 9,773 | 3,981 | 4,054 | 70 | 69 | 19,336 | 20,225 |
| Oregon..... | 1,499 | 1,633 | 1,283 | 1,292 | 967 | 1,016 | 2 | 1 | 3,750 | 3,943 |
| Washington..... | 2,718 | 2,886 | 2,335 | 2,393 | 1,819 | 1,718 | * | * | 6,872 | 6,998 |
| Pacific Noncontiguous..... | 435 | 444 | 532 | 526 | 420 | 437 | -- | -- | 1,387 | 1,408 |
| Alaska..... | 192 | 185 | 244 | 238 | 112 | 118 | -- | -- | 547 | 541 |
| Hawaii..... | 243 | 259 | 288 | 288 | 308 | 319 | -- | -- | 840 | 866 |
| U.S. Total..... | 96,153 | 95,905 | 104,245 | 104,603 | 78,610 | 85,118 | 616 | 673 | 279,623 | 286,299 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail 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. • Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2008 and 2007
(Million Kilowatthours)

| Census Division and State | Residential | | Commercial ¹ | | Industrial ¹ | | Transportation ¹ | | All Sectors | |
|------------------------------------|------------------|------------------|-------------------------|------------------|-------------------------|----------------|-----------------------------|--------------|------------------|------------------|
| | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England | 42,584 | 43,123 | 52,116 | 52,061 | 20,920 | 21,217 | 501 | 544 | 116,120 | 116,945 |
| Connecticut..... | 11,728 | 12,035 | 14,258 | 13,899 | 4,627 | 4,997 | 175 | 180 | 30,788 | 31,111 |
| Maine..... | 4,188 | 3,987 | 3,912 | 3,826 | 3,576 | 3,000 | -- | -- | 11,676 | 10,812 |
| Massachusetts..... | 17,942 | 18,231 | 24,560 | 24,889 | 8,338 | 8,646 | 326 | 363 | 51,166 | 52,130 |
| New Hampshire..... | 4,008 | 4,062 | 4,166 | 4,177 | 1,922 | 2,005 | -- | -- | 10,097 | 10,244 |
| Rhode Island..... | 2,785 | 2,844 | 3,367 | 3,390 | 1,002 | 1,077 | -- | -- | 7,154 | 7,310 |
| Vermont..... | 1,931 | 1,964 | 1,853 | 1,881 | 1,455 | 1,492 | -- | -- | 5,238 | 5,337 |
| Middle Atlantic | 120,707 | 122,603 | 152,574 | 149,419 | 67,052 | 73,247 | 3,724 | 4,213 | 344,057 | 349,483 |
| New Jersey..... | 26,640 | 27,249 | 37,039 | 37,587 | 8,613 | 10,126 | 267 | 270 | 72,560 | 75,232 |
| New York..... | 45,427 | 45,965 | 72,169 | 68,263 | 14,012 | 18,559 | 2,659 | 3,128 | 134,266 | 135,915 |
| Pennsylvania..... | 48,640 | 49,389 | 43,366 | 43,570 | 44,427 | 44,562 | 798 | 816 | 137,231 | 138,336 |
| East North Central | 170,684 | 176,796 | 183,547 | 173,377 | 184,740 | 196,854 | 548 | 557 | 539,519 | 547,584 |
| Illinois..... | 41,854 | 43,613 | 60,197 | 47,847 | 33,714 | 41,955 | 483 | 492 | 136,248 | 133,907 |
| Indiana..... | 30,202 | 31,482 | 22,414 | 22,801 | 44,456 | 45,872 | 17 | 17 | 97,089 | 100,171 |
| Michigan..... | 31,008 | 32,143 | 36,097 | 36,855 | 29,679 | 31,293 | 5 | 5 | 96,788 | 100,295 |
| Ohio..... | 47,783 | 49,272 | 43,392 | 44,307 | 54,001 | 54,355 | 43 | 43 | 145,218 | 147,977 |
| Wisconsin..... | 19,837 | 20,287 | 21,447 | 21,567 | 22,891 | 23,380 | -- | -- | 64,175 | 65,234 |
| West North Central | 92,667 | 95,005 | 89,622 | 90,972 | 79,411 | 79,238 | NM | 37 | 261,741 | 265,252 |
| Iowa..... | 12,514 | 12,819 | 10,594 | 11,106 | 17,555 | 17,585 | NM | -- | 40,663 | 41,510 |
| Kansas..... | 12,284 | 12,662 | 13,756 | 14,238 | 9,823 | 9,995 | -- | -- | 35,864 | 36,895 |
| Minnesota..... | 19,935 | 20,609 | 20,386 | 20,778 | 21,414 | 21,053 | 20 | 19 | 61,755 | 62,459 |
| Missouri..... | 31,557 | 32,699 | 28,414 | 28,610 | 16,489 | 16,945 | 21 | 18 | 76,482 | 78,271 |
| Nebraska..... | 8,750 | 8,777 | 8,583 | 8,606 | 8,735 | 8,376 | -- | -- | 26,068 | 25,758 |
| North Dakota..... | 3,728 | 3,599 | 4,025 | 3,819 | 3,307 | 3,304 | -- | -- | 11,061 | 10,721 |
| South Dakota..... | 3,899 | 3,841 | 3,863 | 3,817 | 2,087 | 1,980 | -- | -- | 9,849 | 9,638 |
| South Atlantic | 314,209 | 323,448 | 281,381 | 284,590 | 141,266 | 143,525 | 1,199 | 1,217 | 738,055 | 752,780 |
| Delaware..... | 4,004 | 4,102 | 3,959 | 3,985 | 2,753 | 2,845 | -- | -- | 10,717 | 10,932 |
| District of Columbia..... | 1,734 | 1,780 | 8,391 | 8,731 | 237 | 271 | 288 | 301 | 10,650 | 11,083 |
| Florida..... | 106,258 | 109,424 | 86,076 | 86,484 | 17,612 | 17,647 | 79 | 88 | 210,024 | 213,643 |
| Georgia..... | 50,463 | 51,978 | 43,159 | 43,443 | 30,867 | 31,342 | 166 | 165 | 124,655 | 126,928 |
| Maryland..... | 24,593 | 25,647 | 26,966 | 28,147 | 5,692 | 5,471 | 483 | 483 | 57,734 | 59,748 |
| North Carolina..... | 50,006 | 51,496 | 43,038 | 43,266 | 25,825 | 26,783 | 4 | * | 118,873 | 121,545 |
| South Carolina..... | 26,852 | 27,225 | 19,758 | 20,154 | 27,572 | 28,237 | -- | -- | 74,182 | 75,616 |
| Virginia..... | 39,918 | 41,266 | 42,965 | 43,234 | 17,084 | 17,476 | 175 | 177 | 100,142 | 102,153 |
| West Virginia..... | 10,380 | 10,529 | 7,068 | 7,146 | 13,625 | 13,454 | 4 | 4 | 31,078 | 31,132 |
| East South Central | 108,838 | 112,631 | 77,972 | 79,850 | 120,776 | 119,190 | 2 | 1 | 307,588 | 311,672 |
| Alabama..... | 29,421 | 30,305 | 20,603 | 21,201 | 32,482 | 33,174 | -- | -- | 82,506 | 84,679 |
| Kentucky..... | 24,492 | 25,549 | 17,973 | 18,497 | 42,341 | 40,245 | -- | -- | 84,806 | 84,291 |
| Mississippi..... | 16,921 | 17,230 | 12,393 | 12,416 | 15,272 | 14,813 | -- | -- | 44,586 | 44,459 |
| Tennessee..... | 38,004 | 39,547 | 27,004 | 27,736 | 30,680 | 30,959 | 2 | 1 | 95,690 | 98,242 |
| West South Central | 187,942 | 178,499 | 161,792 | 151,528 | 158,286 | 155,551 | 68 | 64 | 508,088 | 485,641 |
| Arkansas..... | 15,822 | 16,060 | 10,923 | 10,921 | 15,885 | 16,415 | -- | -- | 42,630 | 43,397 |
| Louisiana..... | 31,063 | 26,879 | 25,831 | 21,178 | 33,120 | 25,581 | 5 | 3 | 90,018 | 73,640 |
| Oklahoma..... | 19,877 | 19,589 | 17,128 | 17,194 | 13,658 | 13,990 | -- | -- | 50,663 | 50,773 |
| Texas..... | 121,180 | 115,971 | 107,910 | 102,234 | 95,623 | 99,565 | 63 | 61 | 324,776 | 317,832 |
| Mountain | 85,914 | 87,225 | 87,042 | 87,039 | 72,678 | 72,795 | 82 | 79 | 245,717 | 247,138 |
| Arizona..... | 30,952 | 32,085 | 28,064 | 28,165 | 11,590 | 11,280 | -- | -- | 70,607 | 71,529 |
| Colorado..... | 15,873 | 16,034 | 18,750 | 18,907 | 12,118 | 12,031 | 44 | 40 | 46,786 | 47,012 |
| Idaho..... | 7,566 | 7,411 | 5,572 | 5,475 | 8,718 | 8,815 | -- | -- | 21,856 | 21,701 |
| Montana..... | 4,167 | 4,058 | 4,393 | 4,398 | 4,380 | 5,658 | -- | -- | 12,939 | 14,114 |
| Nevada..... | 11,245 | 11,497 | 8,626 | 8,620 | 12,706 | 12,732 | 8 | 8 | 32,585 | 32,857 |
| New Mexico..... | 5,823 | 5,844 | 8,136 | 8,228 | 6,211 | 6,389 | -- | -- | 20,170 | 20,461 |
| Utah..... | 7,878 | 7,982 | 9,493 | 9,423 | 8,275 | 7,914 | 30 | 31 | 25,676 | 25,350 |
| Wyoming..... | 2,410 | 2,314 | 4,009 | 3,822 | 8,680 | 7,978 | -- | -- | 15,098 | 14,114 |
| Pacific Contiguous | 133,523 | 130,674 | 157,007 | 155,759 | 77,235 | 77,682 | 814 | 797 | 368,579 | 364,912 |
| California..... | 83,377 | 81,811 | 115,014 | 114,054 | 45,939 | 46,566 | 795 | 779 | 245,125 | 243,210 |
| Oregon..... | 17,696 | 17,285 | 14,964 | 14,796 | 11,797 | 12,077 | 17 | 17 | 44,474 | 44,175 |
| Washington..... | 32,450 | 31,577 | 27,030 | 26,908 | 19,499 | 19,040 | NM | 1 | 78,980 | 77,526 |
| Pacific Noncontiguous | 4,743 | 4,830 | 5,812 | 5,812 | 4,738 | 4,809 | -- | -- | 15,293 | 15,450 |
| Alaska..... | 1,911 | 1,900 | 2,586 | 2,577 | 1,240 | 1,263 | -- | -- | 5,738 | 5,740 |
| Hawaii..... | 2,832 | 2,929 | 3,225 | 3,235 | 3,498 | 3,546 | -- | -- | 9,555 | 9,710 |
| U.S. Total | 1,261,810 | 1,274,833 | 1,248,865 | 1,230,407 | 927,102 | 944,107 | 6,978 | 7,509 | 3,444,755 | 3,456,856 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail 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. • Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.5.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2008 and 2007
(Million Dollars)

| Census Division and State | Residential | | Commercial ¹ | | Industrial ¹ | | Transportation ¹ | | All Sectors | |
|-----------------------------------|---------------|---------------|-------------------------|--------------|-------------------------|--------------|-----------------------------|-----------|---------------|---------------|
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England..... | 665 | 597 | 680 | 634 | 243 | 242 | 4 | 5 | 1,592 | 1,478 |
| Connecticut..... | 202 | 191 | 188 | 181 | 58 | 59 | 2 | 2 | 450 | 434 |
| Maine..... | 61 | 60 | 44 | 42 | 35 | 39 | -- | -- | 140 | 141 |
| Massachusetts..... | 272 | 235 | 321 | 304 | 101 | 99 | 2 | 3 | 697 | 641 |
| New Hampshire..... | 56 | 52 | 51 | 48 | 22 | 22 | -- | -- | 129 | 122 |
| Rhode Island..... | 49 | 33 | 55 | 38 | 15 | 12 | -- | -- | 119 | 84 |
| Vermont..... | 25 | 25 | 20 | 20 | 12 | 12 | -- | -- | 57 | 57 |
| Middle Atlantic..... | 1,391 | 1,350 | 1,660 | 1,626 | 477 | 509 | 39 | 34 | 3,567 | 3,519 |
| New Jersey..... | 316 | 281 | 419 | 388 | 90 | 95 | 4 | 3 | 828 | 767 |
| New York..... | 606 | 629 | 894 | 896 | 118 | 141 | 30 | 25 | 1,648 | 1,691 |
| Pennsylvania..... | 470 | 441 | 347 | 341 | 269 | 273 | 5 | 6 | 1,090 | 1,061 |
| East North Central..... | 1,539 | 1,369 | 1,414 | 1,275 | 962 | 1,018 | 4 | 3 | 3,919 | 3,665 |
| Illinois..... | 430 | 368 | 471 | 362 | 157 | 229 | 3 | 3 | 1,061 | 961 |
| Indiana..... | 238 | 213 | 153 | 141 | 211 | 202 | * | * | 602 | 556 |
| Michigan..... | 265 | 252 | 284 | 302 | 171 | 179 | * | * | 721 | 733 |
| Ohio..... | 406 | 358 | 336 | 313 | 295 | 283 | * | * | 1,037 | 954 |
| Wisconsin..... | 200 | 179 | 170 | 158 | 129 | 125 | -- | -- | 498 | 461 |
| West North Central..... | 633 | 574 | 521 | 488 | 361 | 349 | * | * | 1,515 | 1,411 |
| Iowa..... | 92 | 86 | 59 | 62 | 74 | 74 | NM | -- | 225 | 221 |
| Kansas..... | 76 | 71 | 81 | 77 | 46 | 46 | -- | -- | 203 | 193 |
| Minnesota..... | 165 | 147 | 140 | 124 | 109 | 103 | * | * | 415 | 374 |
| Missouri..... | 192 | 170 | 144 | 135 | 71 | 67 | * | * | 407 | 373 |
| Nebraska..... | 52 | 48 | 49 | 45 | 35 | 34 | -- | -- | 135 | 127 |
| North Dakota..... | 28 | 25 | 25 | 24 | 16 | 16 | -- | -- | 69 | 66 |
| South Dakota..... | 28 | 26 | 23 | 22 | 9 | 9 | -- | -- | 61 | 57 |
| South Atlantic..... | 2,587 | 2,437 | 2,228 | 2,110 | 793 | 732 | 12 | 10 | 5,620 | 5,289 |
| Delaware..... | 41 | 40 | 38 | 38 | 23 | 27 | * | -- | 101 | 104 |
| District of Columbia..... | 16 | 13 | 94 | 88 | 2 | 2 | 4 | 3 | 117 | 107 |
| Florida..... | 931 | 973 | 771 | 760 | 137 | 126 | 1 | 1 | 1,839 | 1,860 |
| Georgia..... | 349 | 306 | 322 | 281 | 164 | 139 | 1 | 1 | 835 | 727 |
| Maryland..... | 280 | 237 | 259 | 270 | 60 | 50 | 5 | 5 | 604 | 562 |
| North Carolina..... | 364 | 353 | 275 | 270 | 124 | 133 | * | * | 763 | 756 |
| South Carolina..... | 204 | 182 | 136 | 127 | 130 | 120 | -- | -- | 471 | 429 |
| Virginia..... | 329 | 270 | 292 | 236 | 97 | 83 | 1 | 1 | 719 | 591 |
| West Virginia..... | 73 | 63 | 41 | 39 | 58 | 53 | * | * | 171 | 155 |
| East South Central..... | 791 | 667 | 612 | 539 | 681 | 565 | * | * | 2,084 | 1,771 |
| Alabama..... | 225 | 185 | 174 | 147 | 182 | 154 | -- | -- | 581 | 486 |
| Kentucky..... | 164 | 142 | 110 | 106 | 206 | 177 | -- | -- | 481 | 425 |
| Mississippi..... | 123 | 113 | 104 | 95 | 96 | 80 | -- | -- | 323 | 288 |
| Tennessee..... | 279 | 228 | 224 | 191 | 196 | 154 | * | * | 700 | 572 |
| West South Central..... | 1,515 | 1,341 | 1,279 | 1,165 | 1,035 | 974 | 1 | 1 | 3,829 | 3,480 |
| Arkansas..... | 103 | 98 | 68 | 64 | 78 | 79 | -- | -- | 249 | 241 |
| Louisiana..... | 223 | 166 | 224 | 160 | 250 | 141 | * | * | 696 | 467 |
| Oklahoma..... | 119 | 119 | 102 | 106 | 68 | 67 | -- | -- | 289 | 291 |
| Texas..... | 1,070 | 958 | 885 | 835 | 640 | 688 | * | * | 2,595 | 2,481 |
| Mountain..... | 576 | 565 | 602 | 574 | 338 | 344 | 1 | 1 | 1,517 | 1,484 |
| Arizona..... | 182 | 182 | 196 | 191 | 59 | 59 | -- | -- | 437 | 431 |
| Colorado..... | 128 | 124 | 139 | 129 | 69 | 65 | * | * | 336 | 318 |
| Idaho..... | 51 | 47 | 30 | 26 | 22 | 20 | -- | -- | 103 | 94 |
| Montana..... | 33 | 30 | 30 | 30 | 25 | 26 | -- | -- | 88 | 86 |
| Nevada..... | 73 | 75 | 71 | 73 | 70 | 82 | * | * | 215 | 230 |
| New Mexico..... | 44 | 41 | 57 | 56 | 29 | 33 | -- | -- | 130 | 130 |
| Utah..... | 49 | 51 | 53 | 49 | 29 | 28 | * | * | 132 | 128 |
| Wyoming..... | 17 | 16 | 25 | 21 | 35 | 30 | -- | -- | 76 | 66 |
| Pacific Contiguous..... | 1,218 | 1,267 | 1,448 | 1,428 | 562 | 534 | 6 | 6 | 3,235 | 3,235 |
| California..... | 882 | 910 | 1,189 | 1,173 | 417 | 397 | 6 | 6 | 2,495 | 2,485 |
| Oregon..... | 126 | 140 | 94 | 93 | 54 | 56 | * | * | 274 | 289 |
| Washington..... | 210 | 217 | 165 | 162 | 91 | 81 | * | * | 466 | 461 |
| Pacific Noncontiguous..... | 113 | 97 | 120 | 99 | 97 | 81 | -- | -- | 330 | 277 |
| Alaska..... | 31 | 28 | 33 | 29 | 14 | 15 | -- | -- | 78 | 72 |
| Hawaii..... | 81 | 69 | 88 | 70 | 82 | 66 | -- | -- | 252 | 205 |
| U.S. Total..... | 11,029 | 10,264 | 10,564 | 9,938 | 5,549 | 5,348 | 65 | 59 | 27,207 | 25,609 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail 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. • Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.5.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2008 and 2007
(Million Dollars)

| Census Division and State | Residential | | Commercial ¹ | | Industrial ¹ | | Transportation ¹ | | All Sectors | |
|-----------------------------------|----------------|----------------|-------------------------|----------------|-------------------------|---------------|-----------------------------|------------|----------------|----------------|
| | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England..... | 7,457 | 7,228 | 8,073 | 7,675 | 2,793 | 2,702 | 58 | 60 | 18,380 | 17,666 |
| Connecticut..... | 2,267 | 2,311 | 2,280 | 2,146 | 640 | 645 | 23 | 26 | 5,211 | 5,128 |
| Maine..... | 670 | 658 | 508 | 493 | 425 | 417 | -- | -- | 1,603 | 1,568 |
| Massachusetts..... | 3,124 | 2,978 | 3,941 | 3,794 | 1,202 | 1,132 | 35 | 34 | 8,301 | 7,938 |
| New Hampshire..... | 627 | 605 | 593 | 582 | 252 | 246 | -- | -- | 1,472 | 1,432 |
| Rhode Island..... | 486 | 398 | 519 | 429 | 142 | 130 | -- | -- | 1,148 | 957 |
| Vermont..... | 282 | 278 | 232 | 232 | 131 | 133 | -- | -- | 645 | 643 |
| Middle Atlantic..... | 18,202 | 17,173 | 21,680 | 19,782 | 5,637 | 5,697 | 471 | 438 | 45,990 | 43,091 |
| New Jersey..... | 4,256 | 3,866 | 5,472 | 4,884 | 1,080 | 1,026 | 45 | 30 | 10,853 | 9,806 |
| New York..... | 8,371 | 7,878 | 12,129 | 10,876 | 1,432 | 1,605 | 366 | 346 | 22,297 | 20,705 |
| Pennsylvania..... | 5,575 | 5,429 | 4,079 | 4,023 | 3,125 | 3,066 | 60 | 62 | 12,840 | 12,580 |
| East North Central..... | 17,728 | 17,290 | 16,370 | 14,722 | 11,720 | 11,650 | 43 | 38 | 45,862 | 43,700 |
| Illinois..... | 4,576 | 4,434 | 5,272 | 4,089 | 2,376 | 2,780 | 36 | 32 | 12,261 | 11,335 |
| Indiana..... | 2,663 | 2,613 | 1,730 | 1,658 | 2,454 | 2,252 | 2 | 2 | 6,849 | 6,525 |
| Michigan..... | 3,373 | 3,289 | 3,395 | 3,238 | 2,038 | 2,037 | 1 | * | 8,807 | 8,564 |
| Ohio..... | 4,842 | 4,746 | 3,996 | 3,852 | 3,356 | 3,135 | 5 | 4 | 12,199 | 11,738 |
| Wisconsin..... | 2,273 | 2,209 | 1,976 | 1,884 | 1,496 | 1,445 | -- | -- | 5,746 | 5,538 |
| West North Central..... | 8,060 | 7,950 | 6,374 | 6,215 | 4,262 | 4,041 | 3 | 3 | 18,699 | 18,209 |
| Iowa..... | 1,205 | 1,218 | 763 | 794 | 855 | 839 | NM | -- | 2,823 | 2,852 |
| Kansas..... | 1,122 | 1,048 | 1,054 | 980 | 572 | 514 | -- | -- | 2,748 | 2,541 |
| Minnesota..... | 1,921 | 1,892 | 1,594 | 1,554 | 1,280 | 1,198 | 2 | 2 | 4,797 | 4,646 |
| Missouri..... | 2,522 | 2,540 | 1,865 | 1,830 | 818 | 814 | 1 | 1 | 5,206 | 5,185 |
| Nebraska..... | 687 | 676 | 564 | 553 | 444 | 402 | -- | -- | 1,694 | 1,631 |
| North Dakota..... | 281 | 264 | 272 | 251 | 183 | 173 | -- | -- | 735 | 689 |
| South Dakota..... | 322 | 311 | 263 | 253 | 111 | 101 | -- | -- | 695 | 665 |
| South Atlantic..... | 33,684 | 32,495 | 26,249 | 24,650 | 8,884 | 8,143 | 139 | 114 | 68,956 | 65,402 |
| Delaware..... | 558 | 541 | 476 | 447 | 280 | 252 | * | -- | 1,315 | 1,240 |
| District of Columbia..... | 220 | 199 | 1,150 | 1,049 | 27 | 25 | 44 | 34 | 1,441 | 1,307 |
| Florida..... | 12,355 | 12,284 | 8,694 | 8,433 | 1,465 | 1,369 | 8 | 9 | 22,522 | 22,094 |
| Georgia..... | 5,098 | 4,755 | 3,959 | 3,510 | 2,064 | 1,740 | 12 | 11 | 11,133 | 10,016 |
| Maryland..... | 3,365 | 3,025 | 3,437 | 3,262 | 588 | 513 | 60 | 49 | 7,450 | 6,849 |
| North Carolina..... | 4,844 | 4,849 | 3,284 | 3,215 | 1,443 | 1,463 | * | * | 9,571 | 9,526 |
| South Carolina..... | 2,685 | 2,504 | 1,680 | 1,563 | 1,486 | 1,365 | -- | -- | 5,851 | 5,432 |
| Virginia..... | 3,829 | 3,630 | 3,140 | 2,754 | 960 | 884 | 14 | 12 | 7,943 | 7,280 |
| West Virginia..... | 731 | 709 | 429 | 418 | 571 | 531 | * | * | 1,731 | 1,657 |
| East South Central..... | 9,969 | 9,409 | 6,927 | 6,433 | 6,955 | 6,015 | * | * | 23,851 | 21,858 |
| Alabama..... | 3,026 | 2,833 | 2,013 | 1,845 | 1,984 | 1,753 | -- | -- | 7,023 | 6,431 |
| Kentucky..... | 1,899 | 1,870 | 1,285 | 1,247 | 2,061 | 1,804 | -- | -- | 5,246 | 4,921 |
| Mississippi..... | 1,753 | 1,614 | 1,237 | 1,106 | 1,000 | 852 | -- | -- | 3,991 | 3,572 |
| Tennessee..... | 3,291 | 3,092 | 2,392 | 2,236 | 1,909 | 1,606 | * | * | 7,592 | 6,934 |
| West South Central..... | 22,361 | 19,991 | 16,519 | 14,058 | 12,994 | 11,117 | 6 | 6 | 51,880 | 45,172 |
| Arkansas..... | 1,502 | 1,407 | 844 | 756 | 950 | 862 | -- | -- | 3,296 | 3,025 |
| Louisiana..... | 3,279 | 2,523 | 2,662 | 1,931 | 2,693 | 1,732 | 1 | * | 8,634 | 6,187 |
| Oklahoma..... | 1,873 | 1,694 | 1,394 | 1,266 | 828 | 756 | -- | -- | 4,095 | 3,716 |
| Texas..... | 15,707 | 14,367 | 11,620 | 10,105 | 8,523 | 7,767 | 5 | 5 | 35,855 | 32,244 |
| Mountain..... | 8,485 | 8,156 | 7,291 | 6,778 | 4,433 | 4,147 | 7 | 6 | 20,215 | 19,088 |
| Arizona..... | 3,188 | 3,118 | 2,500 | 2,337 | 768 | 685 | -- | -- | 6,456 | 6,141 |
| Colorado..... | 1,611 | 1,488 | 1,615 | 1,444 | 800 | 719 | 4 | 3 | 4,029 | 3,654 |
| Idaho..... | 529 | 472 | 318 | 282 | 395 | 343 | -- | -- | 1,242 | 1,097 |
| Montana..... | 381 | 357 | 371 | 357 | 277 | 290 | -- | -- | 1,029 | 1,004 |
| Nevada..... | 1,340 | 1,354 | 876 | 869 | 1,024 | 1,060 | 1 | 1 | 3,240 | 3,284 |
| New Mexico..... | 582 | 533 | 702 | 629 | 394 | 357 | -- | -- | 1,678 | 1,519 |
| Utah..... | 657 | 654 | 642 | 620 | 385 | 364 | 2 | 2 | 1,686 | 1,641 |
| Wyoming..... | 197 | 180 | 267 | 239 | 391 | 328 | -- | -- | 855 | 747 |
| Pacific Contiguous..... | 15,972 | 15,489 | 18,024 | 17,598 | 6,259 | 6,160 | 66 | 67 | 40,321 | 39,314 |
| California..... | 12,002 | 11,797 | 15,059 | 14,771 | 4,731 | 4,680 | 65 | 65 | 31,857 | 31,314 |
| Oregon..... | 1,509 | 1,410 | 1,137 | 1,067 | 588 | 610 | 1 | 1 | 3,236 | 3,088 |
| Washington..... | 2,461 | 2,282 | 1,828 | 1,760 | 939 | 870 | * | * | 5,228 | 4,912 |
| Pacific Noncontiguous..... | 1,241 | 983 | 1,308 | 1,011 | 1,097 | 795 | -- | -- | 3,647 | 2,789 |
| Alaska..... | 312 | 288 | 340 | 313 | 175 | 155 | -- | -- | 828 | 756 |
| Hawaii..... | 928 | 695 | 968 | 698 | 922 | 639 | -- | -- | 2,819 | 2,033 |
| U.S. Total..... | 143,158 | 136,164 | 128,815 | 118,923 | 65,035 | 60,467 | 793 | 732 | 337,801 | 316,287 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail 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. • Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, November 2008 and 2007
(Cents per Kilowatthour)

| Census Division and State | Residential | | Commercial ¹ | | Industrial ¹ | | Transportation ¹ | | All Sectors | |
|-----------------------------------|--------------|--------------|-------------------------|--------------|-------------------------|--------------|-----------------------------|-------------|--------------|--------------|
| | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 | Nov 2008 | Nov 2007 |
| New England..... | 17.99 | 16.40 | 15.44 | 14.26 | 13.53 | 12.83 | 8.89 | 9.83 | 16.02 | 14.75 |
| Connecticut..... | 19.81 | 18.78 | 16.35 | 14.73 | 14.30 | 13.26 | 11.38 | 12.82 | 17.37 | 15.99 |
| Maine..... | 16.10 | 16.86 | 12.92 | 13.30 | 11.88 | 14.31 | -- | -- | 13.81 | 14.94 |
| Massachusetts..... | 17.74 | 15.57 | 15.46 | 14.61 | 14.46 | 13.03 | 7.58 | 8.21 | 16.05 | 14.62 |
| New Hampshire..... | 16.25 | 14.81 | 14.63 | 13.31 | 13.09 | 12.05 | -- | -- | 14.99 | 13.64 |
| Rhode Island..... | 19.49 | 14.65 | 16.95 | 13.08 | 15.42 | 11.96 | -- | -- | 17.67 | 13.47 |
| Vermont..... | 14.79 | 14.37 | 12.66 | 12.40 | 9.05 | 8.92 | -- | -- | 12.39 | 12.15 |
| Middle Atlantic..... | 14.29 | 13.82 | 13.03 | 12.88 | 8.23 | 7.60 | 11.32 | 8.73 | 12.47 | 11.94 |
| New Jersey..... | 15.55 | 13.51 | 13.44 | 12.34 | 12.38 | 10.33 | 13.98 | 11.46 | 14.04 | 12.43 |
| New York..... | 16.92 | 16.94 | 15.05 | 15.48 | 9.60 | 8.21 | 12.25 | 9.12 | 14.99 | 14.71 |
| Pennsylvania..... | 11.38 | 11.08 | 9.43 | 9.26 | 7.01 | 6.72 | 7.07 | 6.70 | 9.31 | 8.98 |
| East North Central..... | 10.84 | 9.95 | 8.95 | 8.52 | 6.60 | 5.85 | 9.00 | 6.74 | 8.78 | 7.94 |
| Illinois..... | 12.15 | 10.58 | 8.54 | 8.46 | 7.78 | 6.65 | 8.72 | 6.25 | 9.55 | 8.56 |
| Indiana..... | 9.47 | 8.83 | 8.24 | 7.50 | 5.88 | 4.97 | 10.54 | 10.35 | 7.56 | 6.65 |
| Michigan..... | 10.81 | 10.00 | 9.26 | 8.79 | 6.81 | 6.23 | 10.34 | 11.75 | 8.96 | 8.30 |
| Ohio..... | 10.21 | 9.60 | 9.43 | 8.77 | 6.47 | 5.73 | 11.33 | 10.88 | 8.57 | 7.79 |
| Wisconsin..... | 11.69 | 10.95 | 9.43 | 8.75 | 6.72 | 6.03 | -- | -- | 9.19 | 8.38 |
| West North Central..... | 8.56 | 8.07 | 6.84 | 6.40 | 5.14 | 4.74 | 6.23 | 6.83 | 6.87 | 6.39 |
| Iowa..... | 9.34 | 9.25 | 6.77 | 6.65 | 4.58 | 4.42 | NM | -- | 6.47 | 6.28 |
| Kansas..... | 8.67 | 7.67 | 7.15 | 6.54 | 5.62 | 4.96 | -- | -- | 7.18 | 6.40 |
| Minnesota..... | 9.92 | 9.09 | 7.83 | 7.11 | 5.81 | 5.31 | 7.83 | 8.64 | 7.77 | 7.06 |
| Missouri..... | 7.77 | 7.37 | 6.15 | 5.72 | 4.79 | 4.33 | 4.61 | 4.99 | 6.46 | 5.99 |
| Nebraska..... | 7.57 | 7.27 | 6.32 | 6.02 | 4.69 | 4.33 | -- | -- | 6.15 | 5.79 |
| North Dakota..... | 7.50 | 7.38 | 6.86 | 6.76 | 5.37 | 5.24 | -- | -- | 6.67 | 6.50 |
| South Dakota..... | 8.21 | 8.20 | 6.75 | 6.71 | 5.24 | 5.00 | -- | -- | 7.02 | 6.90 |
| South Atlantic..... | 10.85 | 10.12 | 9.49 | 8.71 | 6.52 | 5.70 | 11.82 | 9.71 | 9.44 | 8.63 |
| Delaware..... | 14.57 | 13.68 | 11.97 | 11.34 | 9.40 | 9.33 | -- | -- | 12.11 | 11.46 |
| District of Columbia..... | 13.00 | 10.60 | 13.14 | 12.03 | 9.91 | 9.02 | 17.62 | 11.51 | 13.17 | 11.74 |
| Florida..... | 11.98 | 11.34 | 10.53 | 9.86 | 8.85 | 7.97 | 10.66 | 9.79 | 11.05 | 10.40 |
| Georgia..... | 9.61 | 8.62 | 9.08 | 7.84 | 6.63 | 5.22 | 6.73 | 5.60 | 8.65 | 7.41 |
| Maryland..... | 13.84 | 12.67 | 12.25 | 11.31 | 9.35 | 9.69 | 11.22 | 10.80 | 12.52 | 11.66 |
| North Carolina..... | 9.78 | 9.58 | 7.50 | 7.48 | 5.58 | 5.46 | 6.88 | 2.03 | 7.94 | 7.77 |
| South Carolina..... | 10.18 | 9.32 | 8.76 | 7.84 | 5.82 | 4.80 | -- | -- | 8.11 | 7.07 |
| Virginia..... | 10.02 | 8.64 | 8.11 | 6.54 | 6.54 | 5.26 | 8.82 | 7.24 | 8.58 | 7.08 |
| West Virginia..... | 7.26 | 7.06 | 6.47 | 6.13 | 4.41 | 4.13 | 5.28 | 5.55 | 5.82 | 5.52 |
| East South Central..... | 9.91 | 8.66 | 9.65 | 8.26 | 6.40 | 4.98 | 12.86 | 9.18 | 8.35 | 6.92 |
| Alabama..... | 10.89 | 9.41 | 10.55 | 8.68 | 7.12 | 5.22 | -- | -- | 9.26 | 7.35 |
| Kentucky..... | 8.24 | 7.76 | 7.49 | 6.93 | 5.14 | 4.34 | -- | -- | 6.43 | 5.71 |
| Mississippi..... | 10.60 | 9.49 | 10.23 | 9.05 | 7.51 | 5.80 | -- | -- | 9.34 | 7.95 |
| Tennessee..... | 10.09 | 8.37 | 10.14 | 8.49 | 7.06 | 5.23 | 12.86 | 9.18 | 9.02 | 7.23 |
| West South Central..... | 12.06 | 10.94 | 9.87 | 9.14 | 7.84 | 6.96 | 9.13 | 8.57 | 9.89 | 8.93 |
| Arkansas..... | 9.61 | 9.04 | 7.68 | 7.00 | 6.03 | 5.30 | -- | -- | 7.66 | 6.91 |
| Louisiana..... | 10.61 | 8.88 | 10.52 | 8.82 | 8.26 | 6.13 | 14.88 | 14.55 | 9.61 | 7.81 |
| Oklahoma..... | 9.11 | 8.84 | 7.31 | 7.13 | 5.93 | 5.47 | -- | -- | 7.51 | 7.20 |
| Texas..... | 13.23 | 12.03 | 10.36 | 9.79 | 8.26 | 7.66 | 8.71 | 8.31 | 10.65 | 9.74 |
| Mountain..... | 9.43 | 8.97 | 8.07 | 7.70 | 5.42 | 5.40 | 7.93 | 7.61 | 7.66 | 7.37 |
| Arizona..... | 9.53 | 9.08 | 8.42 | 8.10 | 5.89 | 5.80 | -- | -- | 8.34 | 8.03 |
| Colorado..... | 9.94 | 9.35 | 8.27 | 7.74 | 6.34 | 5.93 | 7.83 | 7.28 | 8.28 | 7.78 |
| Idaho..... | 7.25 | 6.54 | 6.08 | 5.28 | 4.13 | 3.57 | -- | -- | 5.95 | 5.25 |
| Montana..... | 8.95 | 8.42 | 8.19 | 8.00 | 5.65 | 5.18 | -- | -- | 7.47 | 6.96 |
| Nevada..... | 12.71 | 12.60 | 10.27 | 10.20 | 6.29 | 7.18 | 8.59 | 9.42 | 8.99 | 9.38 |
| New Mexico..... | 9.71 | 9.25 | 8.33 | 7.84 | 5.31 | 5.86 | -- | -- | 7.72 | 7.55 |
| Utah..... | 7.96 | 7.70 | 6.40 | 6.02 | 4.12 | 3.91 | 7.92 | 7.66 | 6.11 | 5.83 |
| Wyoming..... | 8.37 | 7.80 | 6.67 | 6.31 | 4.35 | 3.99 | -- | -- | 5.57 | 5.18 |
| Pacific Contiguous..... | 11.96 | 11.68 | 11.20 | 10.61 | 8.31 | 7.87 | 8.09 | 8.20 | 10.80 | 10.38 |
| California..... | 14.76 | 14.37 | 12.78 | 12.00 | 10.49 | 9.78 | 8.13 | 8.24 | 12.90 | 12.29 |
| Oregon..... | 8.41 | 8.57 | 7.32 | 7.18 | 5.61 | 5.53 | 6.66 | 6.78 | 7.31 | 7.33 |
| Washington..... | 7.74 | 7.52 | 7.06 | 6.78 | 4.99 | 4.74 | 6.09 | 6.21 | 6.78 | 6.59 |
| Pacific Noncontiguous..... | 25.88 | 21.78 | 22.63 | 18.87 | 23.01 | 18.47 | -- | -- | 23.77 | 19.67 |
| Alaska..... | 16.34 | 15.05 | 13.35 | 12.15 | 12.75 | 12.72 | -- | -- | 14.28 | 13.27 |
| Hawaii..... | 33.41 | 26.59 | 30.47 | 24.42 | 26.72 | 20.61 | -- | -- | 29.95 | 23.67 |
| U.S. Total..... | 11.47 | 10.70 | 10.13 | 9.50 | 7.06 | 6.28 | 10.61 | 8.76 | 9.73 | 8.94 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail 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. • Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2008 and 2007
(Cents per Kilowatt-hour)

| Census Division and State | Residential | | Commercial ¹ | | Industrial ¹ | | Transportation ¹ | | All Sectors | |
|-----------------------------------|--------------|--------------|-------------------------|--------------|-------------------------|--------------|-----------------------------|--------------|--------------|--------------|
| | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 |
| New England..... | 17.51 | 16.76 | 15.49 | 14.74 | 13.35 | 12.74 | 11.57 | 11.02 | 15.83 | 15.11 |
| Connecticut..... | 19.33 | 19.20 | 15.99 | 15.44 | 13.84 | 12.91 | 13.21 | 14.34 | 16.92 | 16.48 |
| Maine..... | 16.00 | 16.50 | 12.99 | 12.89 | 11.88 | 13.91 | -- | -- | 13.73 | 14.50 |
| Massachusetts..... | 17.41 | 16.34 | 16.05 | 15.24 | 14.42 | 13.09 | 10.69 | 9.37 | 16.23 | 15.23 |
| New Hampshire..... | 15.64 | 14.89 | 14.24 | 13.93 | 13.12 | 12.26 | -- | -- | 14.58 | 13.98 |
| Rhode Island..... | 17.46 | 13.99 | 15.42 | 12.65 | 14.21 | 12.07 | -- | -- | 16.05 | 13.09 |
| Vermont..... | 14.61 | 14.17 | 12.52 | 12.31 | 9.01 | 8.89 | -- | -- | 12.32 | 12.04 |
| Middle Atlantic..... | 15.08 | 14.01 | 14.21 | 13.24 | 8.41 | 7.78 | 12.64 | 10.40 | 13.37 | 12.33 |
| New Jersey..... | 15.97 | 14.19 | 14.78 | 12.99 | 12.54 | 10.14 | 16.70 | 11.09 | 14.96 | 13.03 |
| New York..... | 18.43 | 17.14 | 16.81 | 15.93 | 10.22 | 8.65 | 13.75 | 11.07 | 16.61 | 15.23 |
| Pennsylvania..... | 11.46 | 10.99 | 9.41 | 9.23 | 7.03 | 6.88 | 7.56 | 7.63 | 9.36 | 9.09 |
| East North Central..... | 10.39 | 9.78 | 8.92 | 8.49 | 6.34 | 5.92 | 7.89 | 6.89 | 8.50 | 7.98 |
| Illinois..... | 10.93 | 10.17 | 8.76 | 8.55 | NM | 6.63 | 7.54 | 6.48 | 9.00 | 8.46 |
| Indiana..... | 8.82 | 8.30 | 7.72 | 7.27 | 5.52 | 4.91 | 9.69 | 10.10 | 7.06 | 6.51 |
| Michigan..... | 10.88 | 10.23 | 9.41 | 8.79 | 6.87 | 6.51 | 11.95 | 9.66 | 9.10 | 8.54 |
| Ohio..... | 10.13 | 9.63 | 9.21 | 8.69 | 6.22 | 5.77 | 10.73 | 10.00 | 8.40 | 7.93 |
| Wisconsin..... | 11.46 | 10.89 | 9.21 | 8.74 | 6.54 | 6.18 | -- | -- | 8.95 | 8.49 |
| West North Central..... | 8.70 | 8.37 | 7.11 | 6.83 | 5.37 | 5.10 | 6.76 | 7.32 | 7.14 | 6.86 |
| Iowa..... | 9.63 | 9.51 | 7.20 | 7.15 | 4.87 | 4.77 | NM | -- | 6.94 | 6.87 |
| Kansas..... | 9.13 | 8.27 | 7.66 | 6.88 | NM | 5.14 | -- | -- | 7.66 | 6.89 |
| Minnesota..... | 9.64 | 9.18 | 7.82 | 7.48 | 5.98 | 5.69 | 8.06 | 8.23 | 7.77 | 7.44 |
| Missouri..... | 7.99 | 7.77 | 6.56 | 6.40 | 4.96 | 4.80 | 5.51 | 6.33 | 6.81 | 6.62 |
| Nebraska..... | 7.85 | 7.70 | 6.57 | 6.42 | 5.08 | 4.80 | -- | -- | 6.50 | 6.33 |
| North Dakota..... | 7.54 | 7.35 | 6.75 | 6.58 | 5.53 | 5.25 | -- | -- | 6.65 | 6.43 |
| South Dakota..... | 8.25 | 8.11 | 6.81 | 6.63 | 5.30 | 5.09 | -- | -- | 7.06 | 6.90 |
| South Atlantic..... | 10.72 | 10.05 | 9.33 | 8.66 | 6.29 | 5.67 | 11.57 | 9.37 | 9.34 | 8.69 |
| Delaware..... | 13.93 | 13.18 | 12.03 | 11.21 | 10.18 | 8.87 | -- | -- | 12.27 | 11.34 |
| District of Columbia..... | 12.67 | 11.16 | 13.71 | 12.02 | 11.40 | 9.42 | 15.38 | 11.28 | 13.53 | 11.80 |
| Florida..... | 11.63 | 11.23 | 10.10 | 9.75 | 8.32 | 7.76 | 10.12 | 9.75 | 10.72 | 10.34 |
| Georgia..... | 10.10 | 9.15 | 9.17 | 8.08 | 6.69 | 5.55 | 7.21 | 6.46 | 8.93 | 7.89 |
| Maryland..... | 13.68 | 11.80 | 12.74 | 11.59 | 10.34 | 9.38 | 12.48 | 10.10 | 12.90 | 11.46 |
| North Carolina..... | 9.69 | 9.42 | 7.63 | 7.43 | 5.59 | 5.46 | 6.57 | -- | 8.05 | 7.84 |
| South Carolina..... | 10.00 | 9.20 | 8.51 | 7.75 | NM | 4.83 | -- | -- | 7.89 | 7.18 |
| Virginia..... | 9.59 | 8.80 | 7.31 | 6.37 | 5.62 | 5.06 | 7.72 | 6.70 | 7.93 | 7.13 |
| West Virginia..... | 7.04 | 6.73 | 6.06 | 5.84 | 4.19 | 3.94 | 6.16 | 6.31 | 5.57 | 5.32 |
| East South Central..... | 9.16 | 8.35 | 8.88 | 8.06 | 5.76 | 5.05 | 10.06 | 10.25 | 7.75 | 7.01 |
| Alabama..... | 10.29 | 9.35 | 9.77 | 8.70 | 6.11 | 5.29 | -- | -- | 8.51 | 7.59 |
| Kentucky..... | 7.76 | 7.32 | 7.15 | 6.74 | 4.87 | 4.48 | -- | -- | 6.19 | 5.84 |
| Mississippi..... | 10.36 | 9.37 | 9.98 | 8.91 | 6.55 | 5.75 | -- | -- | 8.95 | 8.03 |
| Tennessee..... | 8.66 | 7.82 | 8.86 | 8.06 | 6.22 | 5.19 | 10.06 | 10.25 | 7.93 | 7.06 |
| West South Central..... | 11.90 | 11.20 | 10.21 | 9.28 | 8.21 | 7.15 | 8.81 | 8.64 | 10.21 | 9.30 |
| Arkansas..... | 9.50 | 8.76 | 7.73 | 6.92 | 5.98 | 5.25 | -- | -- | 7.73 | 6.97 |
| Louisiana..... | 10.56 | 9.39 | 10.30 | 9.12 | 8.13 | 6.77 | 12.54 | 14.14 | 9.59 | 8.40 |
| Oklahoma..... | 9.42 | 8.65 | 8.14 | 7.36 | 6.06 | 5.40 | -- | -- | 8.08 | 7.32 |
| Texas..... | 12.96 | 12.39 | 10.77 | 9.88 | 8.91 | 7.80 | 8.52 | 8.39 | 11.04 | 10.15 |
| Mountain..... | 9.88 | 9.35 | 8.38 | 7.79 | 6.10 | 5.70 | 8.30 | 7.56 | 8.23 | 7.72 |
| Arizona..... | 10.30 | 9.72 | 8.91 | 8.30 | 6.62 | 6.08 | -- | -- | 9.14 | 8.59 |
| Colorado..... | 10.15 | 9.28 | 8.61 | 7.64 | 6.60 | 5.98 | 8.35 | 7.16 | 8.61 | 7.77 |
| Idaho..... | 6.99 | 6.37 | 5.71 | 5.14 | 4.53 | 3.89 | -- | -- | 5.68 | 5.05 |
| Montana..... | 9.15 | 8.79 | 8.46 | 8.12 | 6.32 | 5.13 | -- | -- | 7.96 | 7.12 |
| Nevada..... | 11.92 | 11.78 | 10.15 | 10.08 | 8.06 | 8.33 | 9.53 | 10.02 | 9.94 | 10.00 |
| New Mexico..... | 10.00 | 9.12 | 8.63 | 7.65 | 6.35 | 5.58 | -- | -- | 8.32 | 7.42 |
| Utah..... | 8.34 | 8.19 | 6.76 | 6.58 | 4.65 | 4.60 | 7.90 | 7.45 | 6.57 | 6.47 |
| Wyoming..... | 8.18 | 7.79 | 6.67 | 6.26 | 4.50 | 4.11 | -- | -- | 5.66 | 5.29 |
| Pacific Contiguous..... | 11.96 | 11.85 | 11.48 | 11.30 | 8.10 | 7.93 | 8.14 | 8.34 | 10.94 | 10.77 |
| California..... | 14.39 | 14.42 | 13.09 | 12.95 | 10.30 | 10.05 | 8.18 | 8.38 | 13.00 | 12.88 |
| Oregon..... | 8.53 | 8.15 | 7.60 | 7.21 | 4.98 | 5.05 | 6.75 | 6.70 | 7.28 | 6.99 |
| Washington..... | 7.58 | 7.23 | 6.76 | 6.54 | 4.82 | 4.57 | NM | 5.73 | 6.62 | 6.34 |
| Pacific Noncontiguous..... | 26.16 | 20.35 | 22.52 | 17.40 | 23.16 | 16.53 | -- | -- | 23.85 | 18.05 |
| Alaska..... | 16.35 | 15.14 | 13.16 | 12.16 | 14.13 | 12.29 | -- | -- | 14.43 | 13.17 |
| Hawaii..... | 32.79 | 23.74 | 30.02 | 21.58 | 26.36 | 18.03 | -- | -- | 29.50 | 20.94 |
| U.S. Total..... | 11.35 | 10.68 | 10.32 | 9.67 | 7.02 | 6.40 | 11.36 | 9.74 | 9.81 | 9.15 |

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: • See Glossary for definitions. • Values for 2007 are final. Values for 2008 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. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). • Net generation is for the calendar month while retail 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. • Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

Appendices

- A. Relative Standard Error
- B. Major Disturbances and Unusual Occurrences
- C. Technical Notes

Appendix A

Relative Standard Error

Table A1.A. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|-----------|-------------------|----------------|-------------|-------------|-----------|----------------------------|------------------|------------------------------|-----------|-----------|
| New England..... | 24 | 25 | -- | 4 | -- | 0 | 13 | 6 | 0 | 8 | 5 |
| Connecticut..... | 0 | 286 | -- | 18 | -- | 0 | 75 | 16 | 0 | 10 | 13 |
| Maine..... | 0 | 40 | -- | 7 | -- | -- | 17 | 4 | -- | 25 | 10 |
| Massachusetts..... | 41 | 28 | -- | 7 | -- | 0 | 35 | 14 | 0 | 10 | 10 |
| New Hampshire..... | 0 | 170 | -- | 4 | -- | 0 | 20 | 24 | -- | 60 | 5 |
| Rhode Island..... | -- | 402 | -- | 7 | -- | -- | 694 | 47 | -- | -- | 12 |
| Vermont..... | -- | 157 | -- | 0 | -- | 0 | 43 | 32 | -- | -- | 33 |
| Middle Atlantic..... | 8 | 14 | 142 | 7 | 47 | 0 | 4 | 7 | 0 | 7 | 5 |
| New Jersey..... | 30 | 62 | -- | 11 | 258 | 0 | 276 | 14 | 0 | 15 | 12 |
| New York..... | 30 | 73 | 28 | 10 | -- | 0 | 4 | 11 | 0 | 11 | 9 |
| Pennsylvania..... | 8 | 40 | 307 | 15 | 23 | 0 | 24 | 11 | 0 | 8 | 7 |
| East North Central..... | 2 | 30 | 9 | 18 | 39 | 0 | 21 | 7 | 0 | 25 | 6 |
| Illinois..... | 5 | 44 | 16 | 46 | 273 | 0 | 112 | 14 | -- | 570 | 8 |
| Indiana..... | 2 | 12 | -- | 35 | 43 | -- | 24 | 33 | -- | 36 | 13 |
| Michigan..... | 7 | 96 | 0 | 31 | 0 | 0 | 44 | 12 | 0 | 26 | 9 |
| Ohio..... | 3 | 41 | 24 | 47 | 142 | 0 | 39 | 19 | -- | 0 | 5 |
| Wisconsin..... | 9 | 249 | * | 39 | -- | 0 | 40 | 12 | -- | 39 | 13 |
| West North Central..... | 4 | 72 | 0 | 15 | 209 | 0 | 13 | 8 | 0 | 32 | 5 |
| Iowa..... | 12 | 149 | 0 | 29 | -- | 0 | 58 | 32 | -- | 251 | 13 |
| Kansas..... | 0 | 349 | 0 | 50 | -- | 0 | 529 | 1 | -- | -- | 12 |
| Minnesota..... | 17 | 68 | 0 | 44 | -- | 0 | 71 | 9 | -- | 35 | 15 |
| Missouri..... | 5 | 69 | -- | 14 | 0 | 0 | 6 | 84 | 0 | 0 | 6 |
| Nebraska..... | 17 | 221 | -- | 11 | -- | 0 | 85 | 72 | -- | -- | 13 |
| North Dakota..... | 12 | 305 | -- | 6,880 | 214 | -- | 0 | 65 | -- | -- | 12 |
| South Dakota..... | 38 | 3,139 | -- | 493 | -- | -- | 19 | 38 | -- | 0 | 69 |
| South Atlantic..... | 2 | 11 | 0 | 3 | 0 | 0 | 10 | 22 | 0 | 10 | 3 |
| Delaware..... | 13 | 568 | 0 | 29 | 0 | -- | -- | 3 | -- | 0 | 13 |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 4 | 17 | 0 | 4 | 0 | 0 | 118 | 39 | -- | 10 | 5 |
| Georgia..... | 1 | 75 | 0 | 4 | -- | 0 | 15 | 46 | 0 | 60 | 6 |
| Maryland..... | 12 | 52 | -- | 24 | 0 | 0 | 2 | 9 | -- | 5 | 8 |
| North Carolina..... | 6 | 54 | -- | 19 | -- | 0 | 24 | 56 | 0 | 73 | 9 |
| South Carolina..... | 10 | 118 | 0 | 15 | 0 | 0 | 31 | 5 | 0 | 46 | 9 |
| Virginia..... | 10 | 8 | -- | 13 | -- | 0 | 38 | 28 | 0 | 14 | 8 |
| West Virginia..... | 4 | 17 | 0 | 74 | 0 | -- | 35 | 0 | -- | 0 | 4 |
| East South Central..... | 3 | 52 | 0 | 8 | 85 | 0 | 11 | 35 | 0 | 82 | 5 |
| Alabama..... | 9 | 107 | -- | 14 | 76 | 0 | 14 | 52 | -- | 73 | 12 |
| Kentucky..... | 4 | 89 | 0 | 72 | 0 | -- | 24 | 15 | -- | 0 | 4 |
| Mississippi..... | 3 | 639 | -- | 5 | 392 | 0 | -- | 48 | -- | 199 | 8 |
| Tennessee..... | 3 | 20 | -- | 71 | 0 | 0 | 18 | 20 | 0 | 0 | 3 |
| West South Central..... | 1 | 95 | 34 | 3 | 24 | 0 | 5 | 34 | 0 | 29 | 3 |
| Arkansas..... | * | 21 | 45 | 14 | -- | 0 | 6 | 33 | 0 | 58 | 8 |
| Louisiana..... | 1 | 99 | 37 | 8 | 60 | 0 | 0 | 75 | -- | 34 | 12 |
| Oklahoma..... | 4 | 326 | -- | 7 | 973 | -- | 12 | 127 | 0 | 42 | 8 |
| Texas..... | 0 | 147 | 150 | 4 | 21 | 0 | 52 | 56 | -- | 15 | 3 |
| Mountain..... | 4 | 105 | 0 | 5 | 78 | 0 | 6 | 7 | 0 | 81 | 4 |
| Arizona..... | 4 | 90 | -- | 4 | -- | 0 | 3 | 18 | 0 | -- | 3 |
| Colorado..... | 12 | 666 | -- | 12 | 0 | -- | 44 | 96 | 0 | 66 | 10 |
| Idaho..... | 151 | 11 | -- | 37 | -- | -- | 14 | 9 | -- | 61 | 42 |
| Montana..... | 25 | 233 | 0 | 636 | 0 | -- | 8 | 36 | -- | -- | 29 |
| Nevada..... | 0 | 212 | -- | 10 | 0 | -- | 6 | 5 | -- | -- | 8 |
| New Mexico..... | * | 163 | -- | 29 | -- | -- | 116 | 145 | -- | -- | 12 |
| Utah..... | 12 | 549 | -- | 23 | 434 | -- | 63 | 77 | -- | 69 | 12 |
| Wyoming..... | 10 | 107 | -- | 85 | 50 | -- | 56 | 8 | -- | 77 | 10 |
| Pacific Contiguous..... | 7 | 136 | 93 | 6 | 37 | 0 | 3 | 19 | 0 | 23 | 6 |
| California..... | 44 | 407 | 93 | 7 | 44 | 0 | 10 | 31 | 0 | 23 | 9 |
| Oregon..... | 0 | 1,452 | -- | 7 | 0 | -- | 3 | 13 | -- | 127 | 6 |
| Washington..... | 0 | 132 | -- | 15 | 0 | 0 | 2 | 6 | 0 | 59 | 6 |
| Pacific Noncontiguous..... | 21 | 16 | -- | 21 | 492 | -- | 31 | 28 | -- | 0 | 12 |
| Alaska..... | 41 | 38 | -- | 21 | -- | -- | 32 | 365 | -- | 0 | 24 |
| Hawaii..... | 25 | 17 | -- | 0 | 492 | -- | 111 | 28 | -- | 0 | 15 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|------------|-------------------|----------------|-------------|-------------|-----------|----------------------------|------------------|------------------------------|------------|-----------|
| New England..... | 22 | 13 | -- | 4 | -- | 0 | 33 | 6 | 0 | 7 | 6 |
| Connecticut..... | 0 | 293 | -- | 13 | -- | 0 | 164 | 14 | 0 | 8 | 10 |
| Maine..... | 0 | 54 | -- | 8 | -- | -- | 42 | 5 | -- | 30 | 16 |
| Massachusetts..... | 41 | 11 | -- | 8 | -- | 0 | 88 | 12 | 0 | 8 | 12 |
| New Hampshire..... | 0 | 154 | -- | 4 | -- | 0 | 56 | 26 | -- | 52 | 6 |
| Rhode Island..... | -- | 366 | -- | 5 | -- | -- | 1,438 | 42 | -- | -- | 11 |
| Vermont..... | -- | 2,920 | -- | 0 | -- | 0 | 100 | 29 | -- | -- | 46 |
| Middle Atlantic..... | 8 | 26 | 158 | 7 | 47 | 0 | 9 | 6 | 0 | 7 | 5 |
| New Jersey..... | 28 | 85 | -- | 14 | 266 | 0 | 509 | 12 | 0 | 11 | 13 |
| New York..... | 29 | 25 | 191 | 10 | -- | 0 | 9 | 9 | 0 | 12 | 9 |
| Pennsylvania..... | 8 | 61 | 244 | 11 | 24 | 0 | 68 | 10 | 0 | 7 | 6 |
| East North Central..... | 2 | 24 | 16 | 18 | 41 | 0 | 48 | 7 | 0 | 27 | 5 |
| Illinois..... | 5 | 65 | 20 | 47 | 182 | 0 | 229 | 13 | -- | 17 | 8 |
| Indiana..... | 3 | 16 | -- | 41 | 47 | -- | 70 | 21 | -- | 38 | 10 |
| Michigan..... | 8 | 65 | 0 | 35 | 0 | 0 | 93 | 11 | 0 | 30 | 9 |
| Ohio..... | 3 | 31 | 41 | 87 | 140 | 0 | 110 | 19 | -- | 0 | 3 |
| Wisconsin..... | 9 | 180 | * | 21 | -- | 0 | 81 | 12 | -- | 47 | 11 |
| West North Central..... | 4 | 41 | 0 | 17 | 231 | 0 | 19 | 7 | 0 | 27 | 5 |
| Iowa..... | 11 | 150 | 0 | 35 | -- | 0 | 144 | 20 | -- | 200 | 13 |
| Kansas..... | 0 | 62 | 0 | 64 | -- | 0 | 1,120 | * | -- | -- | 15 |
| Minnesota..... | 17 | 232 | 0 | 60 | -- | 0 | 138 | 9 | -- | 31 | 18 |
| Missouri..... | 5 | 116 | -- | 14 | 0 | 0 | 10 | 42 | 0 | 0 | 6 |
| Nebraska..... | 18 | 38 | -- | 29 | -- | 0 | 131 | 48 | -- | -- | 14 |
| North Dakota..... | 13 | 111 | -- | 5,605 | 250 | -- | 0 | 40 | -- | -- | 12 |
| South Dakota..... | 37 | 1,559 | -- | 959 | -- | -- | 19 | 30 | -- | 0 | 76 |
| South Atlantic..... | 2 | 6 | 2 | 4 | 0 | 0 | 19 | 18 | 0 | 12 | 3 |
| Delaware..... | 14 | 91 | 0 | 50 | 0 | -- | -- | 3 | -- | 0 | 18 |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 8 | 6 | 3 | 5 | 0 | 0 | 244 | 33 | -- | 9 | 5 |
| Georgia..... | 1 | 68 | 0 | 5 | -- | 0 | 30 | 36 | 0 | 69 | 6 |
| Maryland..... | 12 | 62 | -- | 47 | 0 | 0 | 20 | 8 | -- | 6 | 7 |
| North Carolina..... | 5 | 42 | -- | 20 | -- | 0 | 33 | 44 | 0 | 166 | 9 |
| South Carolina..... | 10 | 20 | 0 | 17 | 0 | 0 | 57 | 11 | 0 | 35 | 11 |
| Virginia..... | 8 | 13 | -- | 11 | -- | 0 | 54 | 24 | 0 | 18 | 8 |
| West Virginia..... | 4 | 16 | 0 | 165 | 0 | -- | 97 | 0 | -- | 0 | 4 |
| East South Central..... | 3 | 23 | 0 | 10 | 71 | 0 | 19 | 26 | 0 | 146 | 6 |
| Alabama..... | 8 | 86 | -- | 18 | 61 | 0 | 28 | 39 | -- | 131 | 13 |
| Kentucky..... | 4 | 42 | 0 | 135 | 0 | -- | 48 | 10 | -- | 0 | 4 |
| Mississippi..... | 1 | 14 | -- | 5 | 363 | 0 | -- | 32 | -- | 177 | 7 |
| Tennessee..... | 3 | 20 | -- | 122 | 0 | 0 | 29 | 19 | 0 | 0 | 4 |
| West South Central..... | 1 | 55 | 24 | 3 | 23 | 0 | 10 | 26 | 0 | 37 | 3 |
| Arkansas..... | * | 7 | 53 | 11 | -- | 0 | 11 | 26 | 0 | 60 | 8 |
| Louisiana..... | 1 | 27 | 29 | 8 | 59 | 0 | 0 | 58 | -- | 57 | 11 |
| Oklahoma..... | 3 | 236 | -- | 6 | 539 | -- | 19 | 93 | 0 | 34 | 7 |
| Texas..... | 0 | 87 | 33 | 4 | 19 | 0 | 69 | 41 | -- | 19 | 3 |
| Mountain..... | 4 | 51 | 0 | 5 | 69 | 0 | 8 | 7 | 0 | 88 | 4 |
| Arizona..... | 3 | 44 | -- | 3 | -- | 0 | 3 | 67 | 0 | -- | 2 |
| Colorado..... | 13 | 103 | -- | 11 | 0 | -- | 34 | 55 | 0 | 66 | 12 |
| Idaho..... | 162 | 5 | -- | 36 | -- | -- | 12 | 8 | -- | 54 | 53 |
| Montana..... | 24 | 135 | 0 | 586 | 0 | -- | 19 | 39 | -- | -- | 28 |
| Nevada..... | 0 | 24 | -- | 10 | 0 | -- | 5 | 3 | -- | -- | 8 |
| New Mexico..... | * | 40 | -- | 37 | -- | -- | 106 | 75 | -- | -- | 15 |
| Utah..... | 10 | 181 | -- | 23 | 504 | -- | 57 | 49 | -- | 74 | 11 |
| Wyoming..... | 10 | 115 | -- | 104 | 49 | -- | 107 | 7 | -- | 68 | 10 |
| Pacific Contiguous..... | 5 | 51 | 94 | 5 | 38 | 0 | 3 | 14 | 0 | 27 | 6 |
| California..... | 36 | 35 | 94 | 6 | 45 | 0 | 9 | 23 | 0 | 26 | 9 |
| Oregon..... | 0 | 1,308 | -- | 5 | 0 | -- | 3 | 12 | -- | 166 | 5 |
| Washington..... | 0 | 355 | -- | 16 | 0 | 0 | 2 | 6 | 0 | 50 | 7 |
| Pacific Noncontiguous..... | 129 | 8 | -- | 26 | 573 | -- | 25 | 21 | -- | 39 | 14 |
| Alaska..... | 44 | 25 | -- | 26 | -- | -- | 25 | 136 | -- | 0 | 31 |
| Hawaii..... | 158 | 8 | -- | 0 | 573 | -- | 121 | 21 | -- | 38 | 15 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" 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 A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|------------|-------------------|----------------|-------------|-------------|----------|----------------------------|------------------|------------------------------|-----------|-----------|
| New England..... | 0 | 98 | -- | 276 | -- | -- | 35 | 0 | -- | -- | 9 |
| Connecticut..... | -- | 8 | -- | 0 | -- | -- | 253 | 0 | -- | -- | 239 |
| Maine..... | -- | 115 | -- | -- | -- | -- | -- | -- | -- | -- | 115 |
| Massachusetts..... | -- | 16 | -- | 417 | -- | -- | 73 | -- | -- | -- | 152 |
| New Hampshire..... | 0 | * | -- | 0 | -- | -- | 24 | 0 | -- | -- | 2 |
| Rhode Island..... | -- | 685 | -- | -- | -- | -- | -- | -- | -- | -- | 685 |
| Vermont..... | -- | 157 | -- | 0 | -- | -- | 68 | 0 | -- | -- | 48 |
| Middle Atlantic..... | 860 | 14 | -- | 21 | -- | -- | 2 | -- | 0 | -- | 17 |
| New Jersey..... | 1,046 | 438 | -- | 1,196 | -- | -- | -- | -- | 0 | -- | 342 |
| New York..... | 984 | 275 | -- | 21 | -- | -- | 2 | -- | 0 | -- | 17 |
| Pennsylvania..... | -- | 1,336 | -- | 1,061 | -- | -- | 20 | -- | -- | -- | 564 |
| East North Central..... | 3 | 25 | 1 | 68 | 0 | 0 | 23 | 12 | 0 | 12 | 5 |
| Illinois..... | 58 | 319 | 34 | 213 | -- | -- | 188 | 212 | -- | -- | 72 |
| Indiana..... | 3 | 9 | -- | 180 | -- | -- | 24 | 43 | -- | -- | 5 |
| Michigan..... | 7 | 102 | 0 | 103 | 0 | 0 | 47 | -- | 0 | 0 | 9 |
| Ohio..... | 4 | 26 | -- | 303 | 0 | -- | 39 | 100 | -- | -- | 8 |
| Wisconsin..... | 9 | 161 | 0 | 108 | -- | -- | 44 | 7 | -- | 16 | 17 |
| West North Central..... | 4 | 77 | 0 | 16 | 0 | 0 | 13 | 17 | 0 | 40 | 5 |
| Iowa..... | 12 | 147 | 0 | 29 | -- | -- | 58 | 82 | -- | 251 | 13 |
| Kansas..... | 0 | 349 | 0 | 50 | -- | 0 | -- | 3 | -- | -- | 11 |
| Minnesota..... | 17 | 61 | 0 | 96 | -- | 0 | 80 | 33 | -- | 46 | 20 |
| Missouri..... | 5 | 69 | -- | 14 | 0 | 0 | 6 | 103 | 0 | 0 | 6 |
| Nebraska..... | 17 | 221 | -- | 10 | -- | 0 | 85 | 55 | -- | -- | 13 |
| North Dakota..... | 12 | 229 | -- | 7,599 | -- | -- | 0 | 164 | -- | -- | 12 |
| South Dakota..... | 38 | 3,139 | -- | 493 | -- | -- | 19 | 123 | -- | 0 | 69 |
| South Atlantic..... | 1 | 8 | 0 | 3 | -- | 0 | 12 | 10 | 0 | 0 | 1 |
| Delaware..... | -- | 23 | -- | 972 | -- | -- | -- | -- | -- | -- | 994 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 3 | 11 | 0 | 3 | -- | 0 | 118 | 13 | -- | 0 | 2 |
| Georgia..... | 0 | 38 | -- | 5 | -- | 0 | 15 | -- | 0 | -- | 2 |
| Maryland..... | -- | 446 | -- | 0 | -- | -- | -- | -- | -- | -- | 446 |
| North Carolina..... | 0 | 32 | -- | 23 | -- | 0 | 23 | -- | 0 | -- | 5 |
| South Carolina..... | 10 | 166 | 0 | 10 | -- | 0 | 31 | 24 | 0 | -- | 7 |
| Virginia..... | 1 | 7 | -- | 0 | -- | 0 | 38 | 0 | 0 | -- | 1 |
| West Virginia..... | 4 | 17 | -- | 0 | -- | -- | 74 | 0 | -- | 0 | 4 |
| East South Central..... | 3 | 18 | -- | 18 | 0 | 0 | 11 | 61 | 0 | 0 | 6 |
| Alabama..... | 8 | 27 | -- | 35 | -- | 0 | 14 | -- | -- | -- | 14 |
| Kentucky..... | 4 | 48 | -- | 7 | 0 | -- | 24 | 60 | -- | 0 | 4 |
| Mississippi..... | 2 | 464 | -- | 7 | -- | 0 | -- | 0 | -- | -- | 4 |
| Tennessee..... | 1 | 5 | -- | 0 | -- | 0 | 18 | 118 | 0 | -- | 2 |
| West South Central..... | 0 | 37 | 0 | 5 | -- | 0 | 6 | 3 | 0 | 16 | 2 |
| Arkansas..... | 0 | 19 | -- | 498 | -- | 0 | 6 | -- | 0 | -- | 12 |
| Louisiana..... | 0 | 79 | 0 | 8 | -- | 0 | -- | -- | -- | -- | 5 |
| Oklahoma..... | 0 | 221 | -- | 5 | -- | -- | 12 | 0 | 0 | -- | 3 |
| Texas..... | 0 | 87 | 0 | 9 | -- | -- | 50 | 440 | -- | 16 | 4 |
| Mountain..... | 4 | 90 | -- | 6 | 0 | 0 | 6 | 75 | 0 | -- | 3 |
| Arizona..... | 0 | 78 | -- | 4 | -- | 0 | 3 | 111 | 0 | -- | 2 |
| Colorado..... | 12 | 720 | -- | 17 | 0 | -- | 45 | 40 | 0 | -- | 11 |
| Idaho..... | -- | 88 | -- | 661 | -- | -- | 14 | -- | -- | -- | 416 |
| Montana..... | 447 | 2,841 | -- | 1,962 | -- | -- | 9 | -- | -- | -- | 370 |
| Nevada..... | 0 | 293 | -- | 5 | -- | -- | 6 | -- | -- | -- | 4 |
| New Mexico..... | * | 148 | -- | 34 | -- | -- | 116 | -- | -- | -- | 10 |
| Utah..... | 10 | 737 | -- | 11 | -- | -- | 63 | 0 | -- | -- | 7 |
| Wyoming..... | 8 | 58 | -- | 800 | -- | -- | 56 | 90 | -- | -- | 11 |
| Pacific Contiguous..... | 0 | 437 | -- | 15 | 0 | 0 | 3 | 8 | 0 | 0 | 11 |
| California..... | -- | 588 | -- | 20 | 0 | 0 | 10 | 15 | 0 | 0 | 21 |
| Oregon..... | 0 | 1,645 | -- | 13 | 0 | -- | 3 | 53 | -- | -- | 9 |
| Washington..... | -- | 590 | -- | 36 | -- | 0 | 2 | 7 | 0 | -- | 23 |
| Pacific Noncontiguous..... | 12 | 16 | -- | 21 | -- | -- | 32 | 169 | -- | 0 | 14 |
| Alaska..... | 12 | 37 | -- | 21 | -- | -- | 32 | 171 | -- | 0 | 27 |
| Hawaii..... | -- | 17 | -- | 0 | -- | -- | 366 | 0 | -- | -- | 17 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

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Table A2.B. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|--------------|-------------------|----------------|-------------|-------------|-----------|----------------------------|------------------|------------------------------|-----------|-----------|
| New England..... | 0 | 328 | -- | 459 | -- | -- | 86 | 0 | -- | -- | 19 |
| Connecticut..... | -- | 70,325 | -- | 0 | -- | -- | 571 | 0 | -- | -- | 533 |
| Maine..... | -- | 209 | -- | -- | -- | -- | -- | -- | -- | -- | 209 |
| Massachusetts..... | -- | 1,628 | -- | 1,465 | -- | -- | 197 | -- | -- | -- | 638 |
| New Hampshire..... | 0 | 172 | -- | 0 | -- | -- | 59 | 0 | -- | -- | 5 |
| Rhode Island..... | -- | 708 | -- | -- | -- | -- | -- | -- | -- | -- | 708 |
| Vermont..... | -- | 2,920 | -- | 0 | -- | -- | 159 | 0 | -- | -- | 95 |
| Middle Atlantic..... | 1,061 | 27 | -- | 19 | -- | -- | 5 | -- | 0 | -- | 17 |
| New Jersey..... | 1,230 | 755 | -- | 1,197 | -- | -- | -- | -- | 0 | -- | 622 |
| New York..... | 1,173 | 23 | -- | 19 | -- | -- | 5 | -- | 0 | -- | 17 |
| Pennsylvania..... | -- | 1,671 | -- | 1,180 | -- | -- | 73 | -- | -- | -- | 741 |
| East North Central..... | 3 | 27 | 1 | 34 | 0 | 0 | 51 | 11 | 0 | 6 | 4 |
| Illinois..... | 66 | 393 | 37 | 240 | -- | -- | 444 | 186 | -- | -- | 80 |
| Indiana..... | 3 | 14 | -- | 189 | -- | -- | 70 | 39 | -- | -- | 5 |
| Michigan..... | 8 | 98 | 0 | 118 | 0 | 0 | 98 | -- | 0 | 0 | 10 |
| Ohio..... | 4 | 26 | -- | 161 | 0 | -- | 110 | 79 | -- | -- | 5 |
| Wisconsin..... | 8 | 190 | 0 | 34 | -- | -- | 87 | 6 | -- | 10 | 12 |
| West North Central..... | 4 | 41 | 0 | 22 | 0 | 0 | 19 | 16 | 0 | 29 | 6 |
| Iowa..... | 11 | 143 | 0 | 35 | -- | -- | 144 | 78 | -- | 200 | 13 |
| Kansas..... | 0 | 62 | 0 | 65 | -- | 0 | -- | 2 | -- | -- | 15 |
| Minnesota..... | 17 | 369 | 0 | 148 | -- | 0 | 158 | 32 | -- | 35 | 22 |
| Missouri..... | 5 | 115 | -- | 19 | 0 | 0 | 10 | 65 | 0 | 0 | 6 |
| Nebraska..... | 18 | 38 | -- | 28 | -- | 0 | 131 | 51 | -- | -- | 14 |
| North Dakota..... | 13 | 101 | -- | 8,489 | -- | -- | 0 | 129 | -- | -- | 13 |
| South Dakota..... | 37 | 1,559 | -- | 959 | -- | -- | 19 | 93 | -- | 0 | 76 |
| South Atlantic..... | 2 | 3 | 3 | 3 | -- | 0 | 21 | 33 | 0 | 0 | 2 |
| Delaware..... | -- | 33 | -- | 1,118 | -- | -- | -- | -- | -- | -- | 1,152 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 7 | 3 | 3 | 4 | -- | 0 | 244 | 12 | -- | 0 | 4 |
| Georgia..... | 0 | 29 | -- | 5 | -- | 0 | 30 | -- | 0 | -- | 2 |
| Maryland..... | -- | 1,210 | -- | 0 | -- | -- | -- | -- | -- | -- | 1,210 |
| North Carolina..... | 0 | 11 | -- | 27 | -- | 0 | 32 | -- | 0 | -- | 6 |
| South Carolina..... | 10 | 25 | 0 | 10 | -- | 0 | 58 | 146 | 0 | -- | 7 |
| Virginia..... | 1 | 5 | -- | 0 | -- | 0 | 52 | 0 | 0 | -- | 1 |
| West Virginia..... | 4 | 17 | -- | 0 | -- | -- | 174 | 0 | -- | 0 | 4 |
| East South Central..... | 3 | 7 | -- | 15 | 0 | 0 | 19 | 54 | 0 | 0 | 6 |
| Alabama..... | 8 | 41 | -- | 36 | -- | 0 | 28 | -- | -- | -- | 16 |
| Kentucky..... | 4 | 25 | -- | 20 | 0 | -- | 48 | 55 | -- | 0 | 4 |
| Mississippi..... | 1 | 5 | -- | 5 | -- | 0 | -- | 0 | -- | -- | 4 |
| Tennessee..... | 2 | 16 | -- | 0 | -- | 0 | 29 | 264 | 0 | -- | 3 |
| West South Central..... | 0 | 5 | 0 | 5 | -- | 0 | 11 | 2 | 0 | 13 | 3 |
| Arkansas..... | 0 | 4 | -- | 316 | -- | 0 | 11 | -- | 0 | -- | 17 |
| Louisiana..... | 0 | 3 | 0 | 8 | -- | 0 | -- | -- | -- | -- | 5 |
| Oklahoma..... | 0 | 28 | -- | 6 | -- | -- | 19 | 0 | 0 | -- | 3 |
| Texas..... | 0 | 39 | 0 | 10 | -- | -- | 67 | 300 | -- | 13 | 5 |
| Mountain..... | 4 | 25 | -- | 5 | 0 | 0 | 8 | 69 | 0 | -- | 4 |
| Arizona..... | 0 | 19 | -- | 3 | -- | 0 | 3 | 100 | 0 | -- | 1 |
| Colorado..... | 13 | 142 | -- | 18 | 0 | -- | 35 | 40 | 0 | -- | 12 |
| Idaho..... | -- | 60 | -- | 867 | -- | -- | 12 | -- | -- | -- | 615 |
| Montana..... | 439 | 11,165 | -- | 2,332 | -- | -- | 21 | -- | -- | -- | 369 |
| Nevada..... | 0 | 26 | -- | 5 | -- | -- | 5 | -- | -- | -- | 4 |
| New Mexico..... | * | 34 | -- | 34 | -- | -- | 106 | -- | -- | -- | 12 |
| Utah..... | 9 | 50 | -- | 11 | -- | -- | 58 | 0 | -- | -- | 6 |
| Wyoming..... | 8 | 84 | -- | 756 | -- | -- | 107 | 71 | -- | -- | 11 |
| Pacific Contiguous..... | 0 | 276 | -- | 13 | 0 | 0 | 3 | 8 | 0 | 0 | 11 |
| California..... | -- | 36 | -- | 17 | 0 | 0 | 9 | 11 | 0 | 0 | 20 |
| Oregon..... | 0 | 920 | -- | 2 | 0 | -- | 3 | 46 | -- | -- | 3 |
| Washington..... | -- | 2,123 | -- | 46 | -- | 0 | 2 | 12 | 0 | -- | 32 |
| Pacific Noncontiguous..... | 18 | 8 | -- | 26 | -- | -- | 25 | 129 | -- | 0 | 15 |
| Alaska..... | 18 | 24 | -- | 26 | -- | -- | 25 | 132 | -- | 0 | 35 |
| Hawaii..... | -- | 8 | -- | 0 | -- | -- | 333 | 0 | -- | -- | 8 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

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Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|------------|-------------------|----------------|-------------|--------------|----------|----------------------------|------------------|------------------------------|------------|-----------|
| New England..... | 31 | 15 | -- | 4 | -- | 0 | 16 | 9 | 0 | 7 | 6 |
| Connecticut..... | 0 | 251 | -- | 16 | -- | 0 | 78 | 16 | 0 | 10 | 12 |
| Maine..... | 0 | * | -- | 1 | -- | -- | 21 | 5 | -- | 22 | 6 |
| Massachusetts..... | 41 | 16 | -- | 6 | -- | 0 | 36 | 13 | 0 | 10 | 11 |
| New Hampshire..... | -- | 210 | -- | 0 | -- | 0 | 27 | 42 | -- | 60 | 8 |
| Rhode Island..... | -- | 1,870 | -- | 5 | -- | -- | 694 | 47 | -- | -- | 10 |
| Vermont..... | -- | 0 | -- | -- | -- | 0 | 55 | 94 | -- | -- | 64 |
| Middle Atlantic..... | 8 | 26 | 65 | 6 | 1,549 | 0 | 19 | 7 | 0 | 6 | 5 |
| New Jersey..... | 27 | 62 | -- | 8 | 0 | 0 | 276 | 13 | -- | 13 | 9 |
| New York..... | 31 | 99 | 28 | 11 | -- | 0 | 21 | 12 | -- | 9 | 11 |
| Pennsylvania..... | 8 | 23 | 1,977 | 12 | 1,549 | 0 | 35 | 11 | 0 | 9 | 7 |
| East North Central..... | 3 | 46 | 0 | 16 | 27 | 0 | 98 | 10 | -- | 68 | 5 |
| Illinois..... | 4 | 42 | -- | 38 | 0 | 0 | 113 | 14 | -- | 540 | 5 |
| Indiana..... | 5 | 2,328 | -- | 38 | 162 | -- | -- | 0 | -- | 0 | 23 |
| Michigan..... | 126 | 809 | 0 | 30 | 0 | 0 | 163 | 18 | -- | 47 | 19 |
| Ohio..... | * | 106 | 0 | 24 | 0 | 0 | -- | 97 | -- | -- | 2 |
| Wisconsin..... | 1,043 | 4,298 | -- | 1 | -- | 0 | 315 | 24 | -- | -- | 39 |
| West North Central..... | 381 | 28 | -- | 23 | -- | 0 | 218 | 13 | -- | 50 | 20 |
| Iowa..... | -- | 1,176 | -- | 10,946 | -- | 0 | 984 | 35 | -- | -- | 63 |
| Kansas..... | -- | -- | -- | -- | -- | -- | 529 | 0 | -- | -- | 2 |
| Minnesota..... | 381 | 13 | -- | 4 | -- | -- | 244 | 14 | -- | 50 | 12 |
| Missouri..... | -- | -- | -- | 72 | -- | -- | -- | 0 | -- | -- | 69 |
| Nebraska..... | -- | -- | -- | 1,788 | -- | -- | -- | 456 | -- | -- | 587 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | 5 | -- | -- | 5 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | 40 | -- | -- | 40 |
| South Atlantic..... | 9 | 43 | 0 | 15 | 0 | 0 | 17 | 9 | -- | 7 | 9 |
| Delaware..... | 12 | 535 | -- | 30 | -- | -- | -- | 3 | -- | -- | 14 |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 44 | 169 | -- | 32 | 0 | -- | -- | 6 | -- | 9 | 26 |
| Georgia..... | -- | 9,068 | -- | 3 | -- | -- | 900 | 142 | -- | 0 | 9 |
| Maryland..... | 13 | 35 | -- | 23 | 0 | 0 | 2 | 3 | -- | 0 | 8 |
| North Carolina..... | 135 | 838 | -- | 7 | -- | -- | 93 | 52 | -- | 141 | 59 |
| South Carolina..... | 733 | 5,788 | -- | 58 | -- | -- | 242 | -- | -- | -- | 66 |
| Virginia..... | 41 | 49 | -- | 52 | -- | -- | 196 | 10 | -- | 0 | 30 |
| West Virginia..... | 7 | 0 | 0 | 92 | -- | -- | 21 | 0 | -- | 0 | 8 |
| East South Central..... | 12 | 799 | 0 | 3 | -- | -- | 0 | 18 | -- | 82 | 5 |
| Alabama..... | 0 | 2,293 | -- | 4 | -- | -- | -- | 0 | -- | 563 | 12 |
| Kentucky..... | 15 | 1,059 | 0 | 0 | -- | -- | 0 | -- | -- | -- | 12 |
| Mississippi..... | 0 | -- | -- | 0 | -- | -- | -- | -- | -- | 79 | * |
| Tennessee..... | -- | -- | -- | 0 | -- | -- | -- | 75 | -- | -- | 75 |
| West South Central..... | 0 | 27 | 0 | 3 | 0 | 0 | 19 | 23 | -- | 0 | 2 |
| Arkansas..... | -- | 0 | -- | 0 | -- | -- | 0 | 143 | -- | -- | 2 |
| Louisiana..... | 0 | 15 | -- | 11 | 0 | -- | 0 | 62 | -- | -- | 3 |
| Oklahoma..... | 0 | 0 | -- | 10 | -- | -- | -- | 6 | -- | -- | 9 |
| Texas..... | 0 | 36 | 0 | 3 | 0 | 0 | 243 | 21 | -- | 0 | 2 |
| Mountain..... | 25 | 481 | 0 | 9 | 0 | -- | 18 | 21 | -- | 271 | 13 |
| Arizona..... | -- | -- | -- | 5 | -- | -- | -- | 0 | -- | -- | 5 |
| Colorado..... | 153 | 2 | -- | 15 | -- | -- | 148 | 97 | -- | -- | 33 |
| Idaho..... | -- | -- | -- | 25 | -- | -- | 76 | 23 | -- | -- | 29 |
| Montana..... | 23 | 161 | 0 | 1,003 | 0 | -- | 18 | 4 | -- | -- | 27 |
| Nevada..... | 0 | 0 | -- | 21 | 0 | -- | -- | 5 | -- | -- | 19 |
| New Mexico..... | -- | 4,708 | -- | 54 | -- | -- | -- | 145 | -- | -- | 91 |
| Utah..... | 390 | 781 | -- | 370 | -- | -- | 570 | 228 | -- | 271 | 284 |
| Wyoming..... | 177 | 648 | -- | 1,264 | -- | -- | -- | 7 | -- | -- | 156 |
| Pacific Contiguous..... | 9 | 189 | 95 | 5 | 85 | -- | 33 | 6 | -- | 28 | 6 |
| California..... | 61 | 319 | 95 | 6 | 767 | -- | 36 | 6 | -- | 28 | 8 |
| Oregon..... | -- | -- | -- | 3 | -- | -- | 76 | 29 | -- | 127 | 5 |
| Washington..... | 0 | * | -- | 14 | 0 | -- | 134 | 9 | -- | 59 | 6 |
| Pacific Noncontiguous..... | 31 | 44 | -- | -- | -- | -- | 250 | 43 | -- | 0 | 40 |
| Alaska..... | 136 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 136 |
| Hawaii..... | 25 | 44 | -- | -- | -- | -- | 250 | 43 | -- | 0 | 38 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

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Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|------------|-------------------|----------------|-------------|--------------|-----------|----------------------------|------------------|------------------------------|------------|-----------|
| New England..... | 29 | 8 | -- | 4 | -- | 0 | 39 | 9 | 0 | 6 | 6 |
| Connecticut..... | 0 | 283 | -- | 11 | -- | 0 | 171 | 14 | 0 | 8 | 9 |
| Maine..... | 0 | 191 | -- | 1 | -- | -- | 52 | 5 | -- | 18 | 13 |
| Massachusetts..... | 41 | 5 | -- | 7 | -- | 0 | 87 | 12 | 0 | 8 | 11 |
| New Hampshire..... | -- | 207 | -- | 0 | -- | 0 | 79 | 42 | -- | 52 | 10 |
| Rhode Island..... | -- | 3,102 | -- | 3 | -- | -- | 1,438 | 42 | -- | -- | 12 |
| Vermont..... | -- | 0 | -- | -- | -- | 0 | 128 | 100 | -- | -- | 74 |
| Middle Atlantic..... | 8 | 40 | 164 | 6 | 1,007 | 0 | 46 | 6 | 0 | 5 | 5 |
| New Jersey..... | 25 | 84 | -- | 10 | 0 | 0 | 509 | 12 | -- | 11 | 9 |
| New York..... | 29 | 73 | 191 | 11 | -- | 0 | 53 | 11 | -- | 8 | 12 |
| Pennsylvania..... | 7 | 57 | 2,057 | 9 | 1,007 | 0 | 87 | 8 | 0 | 8 | 6 |
| East North Central..... | 3 | 45 | 0 | 19 | 19 | 0 | 201 | 9 | -- | 60 | 5 |
| Illinois..... | 4 | 41 | -- | 43 | 0 | 0 | 203 | 13 | -- | 20 | 5 |
| Indiana..... | 5 | 3,924 | -- | 46 | 127 | -- | -- | 0 | -- | 0 | 25 |
| Michigan..... | 128 | 2,138 | 0 | 35 | 0 | 0 | 367 | 16 | -- | 60 | 20 |
| Ohio..... | 1 | 104 | 0 | 96 | 0 | 0 | -- | 101 | -- | -- | 2 |
| Wisconsin..... | 1,341 | 2,228 | -- | * | -- | 0 | 665 | 26 | -- | -- | 32 |
| West North Central..... | 407 | 138 | -- | 12 | -- | 0 | 405 | 11 | -- | 42 | 17 |
| Iowa..... | -- | 9,230 | -- | 16,267 | -- | 0 | 23 | 31 | -- | -- | 76 |
| Kansas..... | -- | -- | -- | -- | -- | -- | 1,120 | 0 | -- | -- | 5 |
| Minnesota..... | 407 | 13 | -- | * | -- | -- | 425 | 13 | -- | 42 | 15 |
| Missouri..... | -- | -- | -- | 16 | -- | -- | -- | 0 | -- | -- | 16 |
| Nebraska..... | -- | -- | -- | 1,788 | -- | -- | -- | 321 | -- | -- | 591 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | 3 | -- | -- | 3 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | 32 | -- | -- | 32 |
| South Atlantic..... | 8 | 44 | 0 | 18 | 0 | 0 | 53 | 8 | -- | 6 | 9 |
| Delaware..... | 12 | 197 | -- | 63 | -- | -- | -- | 3 | -- | -- | 21 |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 37 | 208 | -- | 33 | 0 | -- | -- | 6 | -- | 7 | 27 |
| Georgia..... | -- | 1,893 | -- | 6 | -- | -- | 528 | 130 | -- | 0 | 11 |
| Maryland..... | 13 | 56 | -- | 46 | 0 | 0 | 20 | 2 | -- | 0 | 7 |
| North Carolina..... | 107 | 739 | -- | 6 | -- | -- | 175 | 51 | -- | 190 | 43 |
| South Carolina..... | 733 | 5,788 | -- | 110 | -- | -- | 391 | -- | -- | -- | 117 |
| Virginia..... | 40 | 90 | -- | 25 | -- | -- | 408 | 10 | -- | 0 | 20 |
| West Virginia..... | 6 | 0 | 0 | 93 | -- | -- | 70 | 0 | -- | 0 | 7 |
| East South Central..... | 15 | 219 | 0 | 2 | -- | -- | 0 | 9 | -- | 69 | 4 |
| Alabama..... | 0 | 31 | -- | 3 | -- | -- | -- | 0 | -- | 563 | 10 |
| Kentucky..... | 15 | 244 | 0 | 0 | -- | -- | 0 | -- | -- | -- | 12 |
| Mississippi..... | 0 | -- | -- | 0 | -- | -- | -- | -- | -- | 72 | * |
| Tennessee..... | -- | -- | -- | 0 | -- | -- | -- | 74 | -- | -- | 75 |
| West South Central..... | 0 | 12 | 0 | 3 | 0 | 0 | 25 | 15 | -- | 0 | 2 |
| Arkansas..... | -- | 0 | -- | 0 | -- | -- | 0 | 85 | -- | -- | 1 |
| Louisiana..... | 0 | 12 | -- | 7 | 0 | -- | 0 | 56 | -- | -- | 3 |
| Oklahoma..... | 0 | 0 | -- | 8 | -- | -- | -- | 5 | -- | -- | 7 |
| Texas..... | 0 | 14 | 0 | 3 | 0 | 0 | 558 | 19 | -- | 0 | 2 |
| Mountain..... | 24 | 231 | 0 | 8 | 0 | -- | 32 | 17 | -- | 352 | 13 |
| Arizona..... | -- | -- | -- | 4 | -- | -- | -- | 0 | -- | -- | 4 |
| Colorado..... | 131 | 2 | -- | 14 | -- | -- | 136 | 56 | -- | -- | 40 |
| Idaho..... | -- | -- | -- | 23 | -- | -- | 55 | 17 | -- | -- | 25 |
| Montana..... | 22 | 75 | 0 | 1,005 | 0 | -- | 36 | 3 | -- | -- | 27 |
| Nevada..... | 0 | 0 | -- | 24 | 0 | -- | -- | 3 | -- | -- | 21 |
| New Mexico..... | -- | 1,093 | -- | 137 | -- | -- | -- | 75 | -- | -- | 159 |
| Utah..... | 358 | 374 | -- | 307 | -- | -- | 521 | 202 | -- | 352 | 259 |
| Wyoming..... | 248 | 15,490 | -- | 1,018 | -- | -- | -- | 7 | -- | -- | 209 |
| Pacific Contiguous..... | 7 | 99 | 97 | 5 | 82 | -- | 37 | 4 | -- | 27 | 5 |
| California..... | 45 | 100 | 97 | 5 | 834 | -- | 47 | 4 | -- | 23 | 7 |
| Oregon..... | -- | -- | -- | 4 | -- | -- | 67 | 28 | -- | 166 | 5 |
| Washington..... | 0 | * | -- | 14 | 0 | -- | 123 | 9 | -- | 50 | 7 |
| Pacific Noncontiguous..... | 152 | 23 | -- | -- | -- | -- | 300 | 29 | -- | 188 | 56 |
| Alaska..... | 148 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 148 |
| Hawaii..... | 158 | 23 | -- | -- | -- | -- | 300 | 29 | -- | 188 | 59 |

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Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|------------|-------------------|----------------|-------------|-------------|---------|----------------------------|------------------|------------------------------|------------|------------|
| New England..... | -- | 395 | -- | 52 | -- | -- | 0 | 76 | -- | 92 | 45 |
| Connecticut..... | -- | 3,400 | -- | 339 | -- | -- | -- | -- | -- | -- | 370 |
| Maine..... | -- | 1,465 | -- | 2,937 | -- | -- | -- | 87 | -- | 92 | 97 |
| Massachusetts..... | -- | 434 | -- | 40 | -- | -- | 0 | 136 | -- | -- | 46 |
| New Hampshire..... | -- | 385 | -- | -- | -- | -- | -- | -- | -- | -- | 385 |
| Rhode Island..... | -- | 409 | -- | 279 | -- | -- | -- | -- | -- | -- | 238 |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 121 | 194 | -- | 59 | -- | -- | 0 | 40 | -- | 40 | 37 |
| New Jersey..... | -- | 2,118 | -- | 205 | -- | -- | -- | 357 | -- | -- | 229 |
| New York..... | 0 | 216 | -- | 44 | -- | -- | 0 | 74 | -- | 80 | 36 |
| Pennsylvania..... | 321 | 447 | -- | 175 | -- | -- | -- | 0 | -- | 0 | 79 |
| East North Central..... | 40 | 95 | -- | 49 | -- | -- | 0 | 40 | -- | 35 | 30 |
| Illinois..... | 0 | 11,021 | -- | 34 | -- | -- | -- | 1,542 | -- | -- | 29 |
| Indiana..... | 80 | 1,751 | -- | 632 | -- | -- | -- | 116 | -- | 143 | 69 |
| Michigan..... | 0 | 43 | -- | 818 | -- | -- | -- | 20 | -- | 15 | 8 |
| Ohio..... | 0 | -- | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Wisconsin..... | 152 | 1,635 | -- | 273 | -- | -- | 0 | 255 | -- | 445 | 147 |
| West North Central..... | 82 | 977 | 0 | 225 | -- | -- | -- | 101 | -- | 156 | 69 |
| Iowa..... | 109 | 0 | 0 | 786 | -- | -- | -- | 131 | -- | -- | 97 |
| Kansas..... | -- | 290 | -- | 168 | -- | -- | -- | -- | -- | -- | 458 |
| Minnesota..... | -- | 993 | -- | 253 | -- | -- | -- | 195 | -- | 207 | 181 |
| Missouri..... | 0 | 18 | -- | 0 | -- | -- | -- | -- | -- | 0 | 4 |
| Nebraska..... | -- | -- | -- | 22,644 | -- | -- | -- | 288 | -- | -- | 307 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 21 | 1,587 | -- | 278 | 0 | -- | 0 | 34 | -- | 35 | 39 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | 497 | -- | 282 | -- | -- | -- | 158 | -- | -- | 677 |
| Georgia..... | -- | 2,329 | -- | -- | -- | -- | -- | -- | -- | -- | 2,329 |
| Maryland..... | -- | 3,283 | -- | 452 | 0 | -- | -- | 100 | -- | 73 | 147 |
| North Carolina..... | 0 | 10,757 | -- | 0 | -- | -- | 0 | -- | -- | -- | 8 |
| South Carolina..... | -- | 2,239 | -- | 12,315 | -- | -- | 0 | 114 | -- | 126 | 173 |
| Virginia..... | 103 | 0 | -- | -- | -- | -- | -- | 33 | -- | 33 | 100 |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 489 | -- | -- | 243 | -- | -- | -- | -- | -- | -- | 445 |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | 921 | -- | -- | -- | -- | -- | -- | 921 |
| Tennessee..... | 489 | -- | -- | 252 | -- | -- | -- | -- | -- | -- | 447 |
| West South Central..... | -- | 2,142 | -- | 58 | -- | -- | -- | 151 | -- | -- | 123 |
| Arkansas..... | -- | -- | -- | 2,811 | -- | -- | -- | 444 | -- | -- | 519 |
| Louisiana..... | -- | -- | -- | 321 | -- | -- | -- | -- | -- | -- | 321 |
| Oklahoma..... | -- | 5,780 | -- | 425 | -- | -- | -- | -- | -- | -- | 535 |
| Texas..... | -- | 2,312 | -- | 54 | -- | -- | -- | 160 | -- | -- | 138 |
| Mountain..... | -- | 5,469 | -- | 153 | 0 | -- | -- | 270 | -- | -- | 158 |
| Arizona..... | -- | 19,111 | -- | 270 | -- | -- | -- | 438 | -- | -- | 410 |
| Colorado..... | -- | 0 | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | 339 | -- | -- | -- | -- | -- | -- | 339 |
| Utah..... | -- | -- | -- | 501 | 0 | -- | -- | 340 | -- | -- | 349 |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | -- | 1,020 | -- | 41 | 489 | -- | 0 | 51 | -- | 0 | 40 |
| California..... | -- | 1,052 | -- | 42 | 489 | -- | 0 | 51 | -- | 0 | 66 |
| Oregon..... | -- | 13 | -- | 830 | -- | -- | -- | -- | -- | -- | 842 |
| Washington..... | -- | 3 | -- | 390 | -- | -- | 0 | -- | -- | -- | 178 |
| Pacific Noncontiguous..... | 41 | 607 | -- | 0 | -- | -- | -- | 0 | -- | 0 | 24 |
| Alaska..... | 41 | 754 | -- | 0 | -- | -- | -- | 0 | -- | -- | 42 |
| Hawaii..... | -- | 0 | -- | -- | -- | -- | -- | 0 | -- | 0 | 0 |

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(Percent)

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|-----------------------------------|------------|-------------------|----------------|-------------|-------------|---------|----------------------------|------------------|------------------------------|------------|------------|
| New England..... | -- | 274 | -- | 55 | -- | -- | 0 | 56 | -- | 121 | 47 |
| Connecticut..... | -- | 3,271 | -- | 346 | -- | -- | -- | -- | -- | -- | 390 |
| Maine..... | -- | 1,294 | -- | 1,979 | -- | -- | -- | 67 | -- | 121 | 111 |
| Massachusetts..... | -- | 357 | -- | 44 | -- | -- | 0 | 91 | -- | -- | 48 |
| New Hampshire..... | -- | 382 | -- | -- | -- | -- | -- | -- | -- | -- | 382 |
| Rhode Island..... | -- | 401 | -- | 284 | -- | -- | -- | -- | -- | -- | 262 |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 120 | 121 | -- | 63 | -- | -- | 0 | 29 | -- | 52 | 41 |
| New Jersey..... | -- | 1,965 | -- | 211 | -- | -- | -- | 301 | -- | -- | 249 |
| New York..... | 0 | 131 | -- | 47 | -- | -- | 0 | 57 | -- | 104 | 39 |
| Pennsylvania..... | 344 | 289 | -- | 180 | -- | -- | -- | 0 | -- | 0 | 91 |
| East North Central..... | 47 | 44 | -- | 48 | -- | -- | 0 | 24 | -- | 40 | 32 |
| Illinois..... | 0 | 551 | -- | 34 | -- | -- | -- | 604 | -- | -- | 33 |
| Indiana..... | 97 | 2,468 | -- | 566 | -- | -- | -- | 101 | -- | 183 | 80 |
| Michigan..... | 0 | 85 | -- | 442 | -- | -- | -- | 16 | -- | 17 | 8 |
| Ohio..... | 0 | -- | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Wisconsin..... | 1,477 | 3,165 | -- | 285 | -- | -- | 0 | 152 | -- | 484 | 164 |
| West North Central..... | 88 | 1,472 | 0 | 221 | -- | -- | -- | 77 | -- | 146 | 73 |
| Iowa..... | 119 | 4,128 | 0 | 672 | -- | -- | -- | 101 | -- | -- | 106 |
| Kansas..... | -- | 247 | -- | 121 | -- | -- | -- | -- | -- | -- | 368 |
| Minnesota..... | -- | 1,406 | -- | 256 | -- | -- | -- | 157 | -- | 205 | 188 |
| Missouri..... | 0 | 25 | -- | 0 | -- | -- | -- | -- | -- | 0 | 9 |
| Nebraska..... | -- | -- | -- | 6,690 | -- | -- | -- | 190 | -- | -- | 205 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 18 | 978 | -- | 262 | 0 | -- | 0 | 26 | -- | 44 | 36 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | 428 | -- | 270 | -- | -- | -- | 106 | -- | -- | 607 |
| Georgia..... | -- | 323 | -- | -- | -- | -- | -- | -- | -- | -- | 323 |
| Maryland..... | -- | 7,163 | -- | 509 | 0 | -- | -- | 92 | -- | 77 | 164 |
| North Carolina..... | 0 | 1,341 | -- | 0 | -- | -- | 0 | -- | -- | -- | 2 |
| South Carolina..... | -- | 1,262 | -- | 2,536 | -- | -- | 0 | 92 | -- | 160 | 162 |
| Virginia..... | 96 | 0 | -- | -- | -- | -- | -- | 23 | -- | 42 | 88 |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 596 | -- | -- | 247 | -- | -- | -- | -- | -- | -- | 548 |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | 822 | -- | -- | -- | -- | -- | -- | 822 |
| Tennessee..... | 596 | -- | -- | 259 | -- | -- | -- | -- | -- | -- | 552 |
| West South Central..... | -- | 1,073 | -- | 55 | -- | -- | -- | 97 | -- | -- | 112 |
| Arkansas..... | -- | -- | -- | 2,545 | -- | -- | -- | 301 | -- | -- | 451 |
| Louisiana..... | -- | -- | -- | 317 | -- | -- | -- | -- | -- | -- | 317 |
| Oklahoma..... | -- | 615 | -- | 360 | -- | -- | -- | -- | -- | -- | 453 |
| Texas..... | -- | 1,140 | -- | 52 | -- | -- | -- | 102 | -- | -- | 126 |
| Mountain..... | -- | 5,471 | -- | 123 | 0 | -- | -- | 163 | -- | -- | 135 |
| Arizona..... | -- | 19,138 | -- | 263 | -- | -- | -- | 311 | -- | -- | 434 |
| Colorado..... | -- | 0 | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | 325 | -- | -- | -- | -- | -- | -- | 325 |
| Utah..... | -- | -- | -- | 489 | 0 | -- | -- | 164 | -- | -- | 359 |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | -- | 803 | -- | 42 | 489 | -- | 0 | 35 | -- | 0 | 42 |
| California..... | -- | 814 | -- | 42 | 489 | -- | 0 | 35 | -- | 0 | 71 |
| Oregon..... | -- | 6 | -- | 909 | -- | -- | -- | -- | -- | -- | 915 |
| Washington..... | -- | 36,463 | -- | 400 | -- | -- | 0 | -- | -- | -- | 196 |
| Pacific Noncontiguous..... | 43 | 452 | -- | 0 | -- | -- | -- | 0 | -- | 0 | 30 |
| Alaska..... | 43 | 757 | -- | 0 | -- | -- | -- | 0 | -- | -- | 43 |
| Hawaii..... | -- | 0 | -- | -- | -- | -- | -- | 0 | -- | 0 | 0 |

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(Percent)

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|-----------------------------------|------------|-------------------|----------------|-------------|-------------|---------|----------------------------|------------------|------------------------------|------------|------------|
| New England..... | 159 | 123 | -- | 47 | -- | -- | 7 | 6 | -- | 19 | 30 |
| Connecticut..... | -- | 270 | -- | 136 | -- | -- | -- | -- | -- | 151 | 124 |
| Maine..... | 0 | 101 | -- | 28 | -- | -- | 7 | 6 | -- | 0 | 21 |
| Massachusetts..... | 271 | 419 | -- | 397 | -- | -- | 0 | -- | -- | 0 | 309 |
| New Hampshire..... | -- | 876 | -- | 200 | -- | -- | 733 | 256 | -- | -- | 198 |
| Rhode Island..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Vermont..... | -- | -- | -- | -- | -- | -- | 186 | 174 | -- | -- | 175 |
| Middle Atlantic..... | 76 | 737 | 311 | 100 | 46 | -- | 20 | 20 | -- | 58 | 37 |
| New Jersey..... | -- | 1,271 | -- | 176 | 258 | -- | -- | 399 | -- | 58 | 153 |
| New York..... | 0 | 12 | -- | 80 | -- | -- | 20 | 0 | -- | -- | 23 |
| Pennsylvania..... | 102 | 857 | 311 | 153 | 22 | -- | -- | 29 | -- | -- | 41 |
| East North Central..... | 39 | 114 | 67 | 84 | 46 | -- | 50 | 13 | -- | 13 | 33 |
| Illinois..... | 79 | 114 | 18 | 231 | 273 | -- | -- | 0 | -- | 0 | 111 |
| Indiana..... | 162 | 100 | -- | 67 | 43 | -- | -- | 191 | -- | 0 | 137 |
| Michigan..... | 77 | 100 | 0 | 140 | -- | -- | 109 | 18 | -- | 29 | 44 |
| Ohio..... | 113 | 441 | 705 | 356 | 142 | -- | -- | 18 | -- | 0 | 51 |
| Wisconsin..... | 34 | 311 | 6 | 244 | -- | -- | 55 | 21 | -- | 0 | 91 |
| West North Central..... | 72 | 1,054 | -- | 245 | 214 | -- | 38 | 18 | -- | 105 | 53 |
| Iowa..... | 66 | 241 | -- | 0 | -- | -- | -- | 0 | -- | -- | 64 |
| Kansas..... | -- | -- | -- | 928 | -- | -- | -- | -- | -- | -- | 928 |
| Minnesota..... | 171 | 286 | -- | 290 | -- | -- | 38 | 18 | -- | 105 | 79 |
| Missouri..... | 153 | 24 | -- | 1,061 | -- | -- | -- | 244 | -- | -- | 141 |
| Nebraska..... | 183 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 183 |
| North Dakota..... | 111 | 961 | -- | 648 | 214 | -- | -- | 213 | -- | -- | 103 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 48 | 69 | 0 | 46 | 0 | -- | 13 | 28 | -- | 28 | 29 |
| Delaware..... | 126 | 1,158 | 0 | 45 | 0 | -- | -- | -- | -- | 0 | 46 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 269 | 194 | -- | 75 | 0 | -- | -- | 70 | -- | 12 | 83 |
| Georgia..... | 70 | 104 | 0 | 57 | -- | -- | 148 | 46 | -- | 60 | 49 |
| Maryland..... | 0 | 320 | -- | 209 | -- | -- | -- | 0 | -- | -- | 30 |
| North Carolina..... | 169 | 170 | -- | 1,297 | -- | -- | 0 | 66 | -- | 31 | 129 |
| South Carolina..... | 67 | 0 | -- | 0 | 0 | -- | -- | 0 | -- | 0 | 14 |
| Virginia..... | 55 | 61 | -- | 86 | -- | -- | 386 | 40 | -- | -- | 38 |
| West Virginia..... | 51 | -- | -- | 735 | 0 | -- | 0 | 0 | -- | -- | 48 |
| East South Central..... | 39 | 254 | -- | 70 | 87 | -- | 0 | 36 | -- | 100 | 53 |
| Alabama..... | 187 | 264 | -- | 74 | 76 | -- | -- | 53 | -- | 72 | 73 |
| Kentucky..... | -- | -- | -- | 130 | -- | -- | -- | 11 | -- | -- | 47 |
| Mississippi..... | 63 | 1,081 | -- | 267 | 392 | -- | -- | 48 | -- | 420 | 256 |
| Tennessee..... | 33 | 1,436 | -- | 283 | 0 | -- | 0 | 22 | -- | 0 | 22 |
| West South Central..... | 186 | 266 | 241 | 9 | 42 | -- | -- | 44 | -- | 32 | 19 |
| Arkansas..... | 52 | 13 | 45 | 60 | -- | -- | -- | 33 | -- | -- | 42 |
| Louisiana..... | 540 | 305 | 445 | 12 | 124 | -- | -- | 76 | -- | 34 | 32 |
| Oklahoma..... | 218 | 484 | -- | 220 | 973 | -- | -- | 186 | -- | 42 | 179 |
| Texas..... | 0 | 492 | 154 | 13 | 36 | -- | -- | 88 | -- | 23 | 25 |
| Mountain..... | 200 | 1,730 | -- | 80 | 79 | -- | -- | 12 | -- | 18 | 51 |
| Arizona..... | 273 | 2,061 | -- | 1,911 | -- | -- | -- | -- | -- | -- | 277 |
| Colorado..... | -- | 7,539 | -- | 386 | -- | -- | -- | -- | -- | 66 | 277 |
| Idaho..... | 151 | 12 | -- | 258 | -- | -- | -- | 0 | -- | 61 | 38 |
| Montana..... | -- | 6 | -- | 323 | -- | -- | -- | 82 | -- | -- | 113 |
| Nevada..... | -- | -- | -- | 252 | -- | -- | -- | -- | -- | -- | 252 |
| New Mexico..... | -- | 15,697 | -- | 1,940 | -- | -- | -- | -- | -- | -- | 2,011 |
| Utah..... | 0 | -- | -- | 202 | 434 | -- | -- | -- | -- | 0 | 130 |
| Wyoming..... | 79 | 994 | -- | 63 | 50 | -- | -- | -- | -- | 77 | 46 |
| Pacific Contiguous..... | 42 | 292 | 249 | 25 | 46 | -- | 630 | 63 | -- | 14 | 32 |
| California..... | 44 | 131 | 249 | 27 | 46 | -- | -- | 269 | -- | 14 | 38 |
| Oregon..... | -- | 729 | -- | 68 | -- | -- | -- | 18 | -- | -- | 43 |
| Washington..... | 0 | 342 | -- | 0 | -- | -- | 630 | 15 | -- | -- | 14 |
| Pacific Noncontiguous..... | -- | 232 | -- | 303 | 492 | -- | 93 | 165 | -- | -- | 146 |
| Alaska..... | -- | 291 | -- | 303 | -- | -- | -- | 394 | -- | -- | 203 |
| Hawaii..... | -- | 287 | -- | -- | 492 | -- | 93 | 196 | -- | -- | 184 |

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Source: Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report."

Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Coal | Petroleum Liquids | Petroleum Coke | Natural Gas | Other Gases | Nuclear | Hydroelectric Conventional | Other Renewables | Hydroelectric Pumped Storage | Other | Total |
|-----------------------------------|------------|-------------------|----------------|-------------|-------------|---------|----------------------------|------------------|------------------------------|------------|------------|
| New England..... | 196 | 70 | -- | 57 | -- | -- | 7 | 9 | -- | 50 | 35 |
| Connecticut..... | -- | 263 | -- | 140 | -- | -- | -- | -- | -- | 191 | 134 |
| Maine..... | 0 | 60 | -- | 38 | -- | -- | 7 | 8 | -- | 0 | 25 |
| Massachusetts..... | 308 | 313 | -- | 355 | -- | -- | 0 | -- | -- | 0 | 281 |
| New Hampshire..... | -- | 1,181 | -- | 225 | -- | -- | 870 | 414 | -- | -- | 229 |
| Rhode Island..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Vermont..... | -- | -- | -- | -- | -- | -- | 114 | 197 | -- | -- | 156 |
| Middle Atlantic..... | 81 | 169 | 251 | 96 | 45 | -- | 32 | 21 | -- | 58 | 39 |
| New Jersey..... | -- | 1,194 | -- | 160 | 266 | -- | -- | 292 | -- | 58 | 142 |
| New York..... | 0 | 11 | -- | 88 | -- | -- | 32 | 0 | -- | -- | 26 |
| Pennsylvania..... | 130 | 413 | 251 | 147 | 22 | -- | -- | 29 | -- | -- | 41 |
| East North Central..... | 39 | 90 | 65 | 82 | 49 | -- | 51 | 12 | -- | 14 | 28 |
| Illinois..... | 68 | 171 | 23 | 210 | 232 | -- | -- | 0 | -- | 0 | 99 |
| Indiana..... | 163 | 194 | -- | 66 | 46 | -- | -- | 77 | -- | 0 | 197 |
| Michigan..... | 84 | 113 | 0 | 137 | -- | -- | 122 | 17 | -- | 29 | 49 |
| Ohio..... | 154 | 311 | 423 | 180 | 138 | -- | -- | 18 | -- | 0 | 58 |
| Wisconsin..... | 34 | 267 | * | 313 | -- | -- | 56 | 21 | -- | 0 | 94 |
| West North Central..... | 62 | 4,078 | -- | 168 | 250 | -- | 18 | 18 | -- | 116 | 49 |
| Iowa..... | 43 | 45,252 | -- | 0 | -- | -- | -- | 0 | -- | -- | 42 |
| Kansas..... | -- | -- | -- | 496 | -- | -- | -- | -- | -- | -- | 496 |
| Minnesota..... | 170 | 4,115 | -- | 190 | -- | -- | 18 | 19 | -- | 116 | 78 |
| Missouri..... | 172 | 33 | -- | 802 | -- | -- | -- | 188 | -- | -- | 158 |
| Nebraska..... | 184 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 184 |
| North Dakota..... | 112 | 892 | -- | 574 | 250 | -- | -- | 123 | -- | -- | 117 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 41 | 49 | 0 | 43 | 0 | -- | 15 | 22 | -- | 27 | 26 |
| Delaware..... | 1,119 | 487 | 0 | 22 | 0 | -- | -- | -- | -- | 0 | 50 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 217 | 180 | -- | 68 | 0 | -- | -- | 57 | -- | 10 | 65 |
| Georgia..... | 61 | 89 | 0 | 55 | -- | -- | 159 | 36 | -- | 69 | 45 |
| Maryland..... | 0 | 209 | -- | 219 | -- | -- | -- | 0 | -- | -- | 34 |
| North Carolina..... | 132 | 110 | -- | 1,335 | -- | -- | 0 | 50 | -- | 28 | 135 |
| South Carolina..... | 36 | 0 | -- | 0 | 0 | -- | -- | 0 | -- | 0 | 10 |
| Virginia..... | 39 | 43 | -- | 79 | -- | -- | 7 | 34 | -- | -- | 31 |
| West Virginia..... | 58 | -- | -- | 712 | 0 | -- | 0 | 0 | -- | -- | 56 |
| East South Central..... | 43 | 152 | -- | 80 | 71 | -- | 0 | 27 | -- | 198 | 57 |
| Alabama..... | 158 | 156 | -- | 82 | 61 | -- | -- | 41 | -- | 147 | 71 |
| Kentucky..... | -- | -- | -- | 156 | -- | -- | -- | 8 | -- | -- | 37 |
| Mississippi..... | 60 | 650 | -- | 296 | 363 | -- | -- | 32 | -- | 356 | 271 |
| Tennessee..... | 40 | 1,319 | -- | 247 | 0 | -- | 0 | 21 | -- | 0 | 24 |
| West South Central..... | 143 | 173 | 146 | 10 | 41 | -- | -- | 35 | -- | 43 | 18 |
| Arkansas..... | 51 | 11 | 53 | 73 | -- | -- | -- | 27 | -- | 60 | 34 |
| Louisiana..... | 131 | 144 | 261 | 14 | 120 | -- | -- | 59 | -- | 57 | 30 |
| Oklahoma..... | 164 | 271 | -- | 229 | 539 | -- | -- | 151 | -- | 34 | 166 |
| Texas..... | 0 | 234 | 125 | 13 | 36 | -- | -- | 71 | -- | 28 | 24 |
| Mountain..... | 101 | 765 | -- | 101 | 77 | -- | -- | 16 | -- | 21 | 48 |
| Arizona..... | 244 | 857 | -- | 1,649 | -- | -- | -- | -- | -- | -- | 252 |
| Colorado..... | -- | 2,519 | -- | 376 | -- | -- | -- | -- | -- | 66 | 1,841 |
| Idaho..... | 162 | 5 | -- | 39 | -- | -- | -- | 0 | -- | 54 | 49 |
| Montana..... | -- | 8 | -- | 302 | -- | -- | -- | 85 | -- | -- | 114 |
| Nevada..... | -- | -- | -- | 232 | -- | -- | -- | -- | -- | -- | 232 |
| New Mexico..... | -- | 3,138 | -- | 1,577 | -- | -- | -- | -- | -- | -- | 1,659 |
| Utah..... | 0 | -- | -- | 194 | 504 | -- | -- | -- | -- | 0 | 20 |
| Wyoming..... | 79 | 860 | -- | 62 | 49 | -- | -- | -- | -- | 68 | 48 |
| Pacific Contiguous..... | 38 | 49 | 173 | 25 | 47 | -- | 436 | 44 | -- | 24 | 32 |
| California..... | 40 | 154 | 173 | 27 | 47 | -- | -- | 194 | -- | 24 | 37 |
| Oregon..... | -- | 806 | -- | 74 | -- | -- | -- | 16 | -- | -- | 48 |
| Washington..... | 0 | 302 | -- | 0 | -- | -- | 436 | 13 | -- | -- | 12 |
| Pacific Noncontiguous..... | -- | 137 | -- | 328 | 573 | -- | 103 | 122 | -- | -- | 121 |
| Alaska..... | -- | 296 | -- | 328 | -- | -- | -- | 167 | -- | -- | 253 |
| Hawaii..... | -- | 147 | -- | -- | 573 | -- | 103 | 148 | -- | -- | 128 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Source: Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report."

Table A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2008
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation | All Sectors |
|------------------------------------|-------------|------------|------------|----------------|-------------|
| New England | * | 1 | 2 | 0 | 1 |
| Connecticut | * | 2 | 2 | 0 | 1 |
| Maine | 1 | 3 | 9 | 0 | 4 |
| Massachusetts | 1 | * | 4 | 0 | 1 |
| New Hampshire | * | * | 3 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 2 | 1 | 5 | 0 | 3 |
| Middle Atlantic | * | * | 1 | * | * |
| New Jersey | * | * | 1 | 0 | * |
| New York | * | * | 2 | * | * |
| Pennsylvania | * | * | 0 | 0 | * |
| East North Central | * | * | 1 | 0 | 1 |
| Illinois | 1 | 1 | 3 | 0 | 1 |
| Indiana | 1 | 1 | 1 | 0 | 1 |
| Michigan | 1 | * | 1 | 0 | 1 |
| Ohio | 1 | * | 1 | 0 | 1 |
| Wisconsin | 1 | * | 2 | 0 | 1 |
| West North Central | 1 | 1 | 1 | 26 | 1 |
| Iowa | 1 | 1 | 2 | 1,749 | 2 |
| Kansas | 3 | 3 | 6 | 0 | 2 |
| Minnesota | 1 | 1 | 2 | 0 | 2 |
| Missouri | 1 | * | 2 | 0 | 2 |
| Nebraska | 3 | 3 | 4 | 0 | 2 |
| North Dakota | 2 | 3 | 9 | 0 | 3 |
| South Dakota | 3 | 5 | 4 | 0 | 3 |
| South Atlantic | 1 | 1 | 1 | 0 | 1 |
| Delaware | 1 | 1 | 3 | 0 | 2 |
| District of Columbia | 0 | 1 | 0 | 0 | 0 |
| Florida | 1 | 1 | 4 | 0 | 1 |
| Georgia | 2 | 2 | 4 | 0 | 2 |
| Maryland | 1 | * | 1 | 0 | 1 |
| North Carolina | 1 | 2 | 2 | 0 | 1 |
| South Carolina | 2 | 2 | 3 | 0 | 1 |
| Virginia | 1 | 1 | 3 | 0 | 1 |
| West Virginia | * | * | 0 | 0 | * |
| East South Central | 1 | 1 | 1 | 0 | 1 |
| Alabama | 2 | 3 | 3 | 0 | 1 |
| Kentucky | 1 | 1 | 1 | 0 | 1 |
| Mississippi | 3 | 4 | 5 | 0 | 2 |
| Tennessee | 1 | 1 | 2 | 0 | 2 |
| West South Central | 1 | 2 | 1 | 0 | 1 |
| Arkansas | 2 | 4 | 4 | 0 | 2 |
| Louisiana | 3 | 2 | 2 | 0 | 2 |
| Oklahoma | 2 | 3 | 4 | 0 | 2 |
| Texas | 1 | 2 | 2 | 0 | 1 |
| Mountain | * | * | 1 | 0 | 1 |
| Arizona | 1 | * | 1 | 0 | 1 |
| Colorado | 1 | 1 | 2 | 0 | 2 |
| Idaho | 1 | 2 | 2 | 0 | 1 |
| Montana | 3 | 3 | 4 | 0 | 2 |
| Nevada | 1 | * | 0 | 0 | 1 |
| New Mexico | 2 | 1 | 2 | 0 | 3 |
| Utah | 1 | 1 | 1 | 0 | 2 |
| Wyoming | 3 | 2 | 1 | 0 | 1 |
| Pacific Contiguous | * | * | 1 | 0 | * |
| California | * | * | 1 | 0 | * |
| Oregon | 2 | 2 | 4 | 0 | 2 |
| Washington | 1 | 2 | 3 | 0 | 1 |
| Pacific Noncontiguous | 1 | 2 | 2 | 0 | 1 |
| Alaska | 2 | 4 | 6 | 0 | 3 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation | All Sectors |
|------------------------------------|-------------|------------|------------|----------------|-------------|
| New England | 1 | * | 2 | 2 | 1 |
| Connecticut | 1 | * | 3 | 5 | 1 |
| Maine | 1 | 2 | 3 | 0 | 2 |
| Massachusetts | 1 | * | 5 | 0 | 1 |
| New Hampshire | 1 | * | 4 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 4 | 1 | 6 | 0 | 4 |
| Middle Atlantic | * | * | 1 | * | * |
| New Jersey | 1 | * | 2 | 2 | * |
| New York | 1 | * | 3 | * | * |
| Pennsylvania | * | * | 0 | 0 | * |
| East North Central | 1 | * | 1 | 1 | 1 |
| Illinois | 1 | 1 | 1 | 1 | 1 |
| Indiana | 2 | 1 | 2 | 0 | 1 |
| Michigan | 1 | * | 1 | 0 | 1 |
| Ohio | 1 | * | 1 | 0 | 1 |
| Wisconsin | 2 | 1 | 2 | 0 | 1 |
| West North Central | 1 | 1 | 2 | 58 | 1 |
| Iowa | 3 | 1 | 3 | 4,456 | 2 |
| Kansas | 3 | 3 | 7 | 0 | 3 |
| Minnesota | 2 | 1 | 3 | 0 | 2 |
| Missouri | 2 | 1 | 3 | 0 | 2 |
| Nebraska | 2 | 2 | 5 | 0 | 2 |
| North Dakota | 2 | 2 | 10 | 0 | 3 |
| South Dakota | 3 | 3 | 5 | 0 | 3 |
| South Atlantic | 1 | 1 | 2 | 1 | 1 |
| Delaware | 2 | 1 | 5 | 0 | 2 |
| District of Columbia | 0 | * | 0 | 5 | 0 |
| Florida | 1 | 1 | 4 | 0 | 1 |
| Georgia | 2 | 2 | 4 | 0 | 2 |
| Maryland | 1 | * | 3 | 0 | 1 |
| North Carolina | 2 | 2 | 3 | 0 | 1 |
| South Carolina | 2 | 2 | 3 | 0 | 2 |
| Virginia | 1 | 1 | 4 | 0 | 1 |
| West Virginia | * | * | 0 | 0 | * |
| East South Central | 1 | 1 | 1 | 0 | 1 |
| Alabama | 2 | 3 | 2 | 0 | 2 |
| Kentucky | 2 | 1 | 1 | 0 | 1 |
| Mississippi | 3 | 4 | 5 | 0 | 3 |
| Tennessee | 2 | 1 | 3 | 0 | 2 |
| West South Central | 2 | 2 | 1 | 0 | 1 |
| Arkansas | 3 | 4 | 4 | 0 | 2 |
| Louisiana | 4 | 2 | 2 | 0 | 2 |
| Oklahoma | 2 | 3 | 4 | 0 | 2 |
| Texas | 2 | 2 | 2 | 0 | 1 |
| Mountain | 1 | * | 1 | 0 | 1 |
| Arizona | 1 | 1 | 1 | 0 | 1 |
| Colorado | 2 | 1 | 2 | 0 | 2 |
| Idaho | 1 | 1 | 2 | 0 | 1 |
| Montana | 2 | 2 | 5 | 0 | 3 |
| Nevada | 1 | 1 | 0 | 0 | 1 |
| New Mexico | 2 | 1 | 3 | 0 | 3 |
| Utah | 2 | 1 | 1 | 0 | 2 |
| Wyoming | 2 | 2 | 2 | 0 | 2 |
| Pacific Contiguous | * | * | 2 | * | 1 |
| California | * | * | 1 | 0 | 1 |
| Oregon | 1 | 1 | 5 | 0 | 2 |
| Washington | 1 | 1 | 4 | 51 | 1 |
| Pacific Noncontiguous | 1 | 1 | 2 | 0 | 1 |
| Alaska | 2 | 3 | 7 | 0 | 3 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2008
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation | All Sectors |
|------------------------------------|-------------|------------|------------|----------------|-------------|
| New England | * | 1 | 1 | 0 | 1 |
| Connecticut | * | 2 | 2 | 0 | 1 |
| 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 | 3 | 3 | 6 | 0 | 4 |
| Middle Atlantic | * | * | 1 | * | * |
| New Jersey | * | * | 1 | 0 | * |
| New York | * | * | 1 | * | * |
| Pennsylvania | * | * | * | 0 | 1 |
| East North Central | 1 | 1 | 1 | 0 | 1 |
| Illinois | 1 | 1 | 2 | 0 | 1 |
| Indiana | 1 | 2 | 2 | 0 | 2 |
| Michigan | 1 | 1 | 1 | 0 | 1 |
| Ohio | 1 | 1 | 1 | 0 | 1 |
| Wisconsin | 1 | 1 | 2 | 0 | 2 |
| West North Central | 1 | 1 | 2 | 25 | 1 |
| Iowa | 3 | 4 | 3 | 1,581 | 4 |
| Kansas | 5 | 5 | 10 | 0 | 5 |
| Minnesota | 2 | 2 | 3 | 0 | 3 |
| Missouri | 2 | 2 | 4 | 0 | 3 |
| Nebraska | 3 | 3 | 5 | 0 | 2 |
| North Dakota | 2 | 3 | 9 | 0 | 3 |
| South Dakota | 3 | 4 | 5 | 0 | 3 |
| South Atlantic | 1 | 1 | 2 | 0 | 1 |
| Delaware | 2 | 2 | 4 | 0 | 3 |
| District of Columbia | 0 | 1 | 0 | 0 | 0 |
| Florida | 1 | 1 | 5 | 0 | 1 |
| Georgia | 3 | 2 | 5 | 0 | 2 |
| Maryland | 1 | 1 | 1 | 0 | 1 |
| North Carolina | 2 | 3 | 4 | 0 | 2 |
| South Carolina | 2 | 3 | 4 | 0 | 2 |
| Virginia | 1 | 1 | 4 | 0 | 1 |
| West Virginia | * | 1 | * | 0 | 1 |
| East South Central | 1 | 1 | 2 | 0 | 1 |
| Alabama | 2 | 3 | 3 | 0 | 2 |
| Kentucky | 2 | 3 | 2 | 0 | 2 |
| Mississippi | 3 | 4 | 6 | 0 | 3 |
| Tennessee | 1 | 2 | 2 | 0 | 2 |
| West South Central | 2 | 2 | 2 | 0 | 2 |
| Arkansas | 3 | 5 | 6 | 0 | 3 |
| Louisiana | 4 | 4 | 3 | 0 | 3 |
| Oklahoma | 3 | 4 | 6 | 0 | 3 |
| Texas | 2 | 2 | 2 | 0 | 2 |
| Mountain | 1 | * | 1 | 0 | 1 |
| Arizona | 1 | 1 | 1 | 0 | 1 |
| Colorado | 2 | 1 | 2 | 0 | 2 |
| Idaho | 2 | 2 | 2 | 0 | 1 |
| Montana | 3 | 3 | 4 | 0 | 2 |
| Nevada | 1 | 1 | * | 0 | 1 |
| New Mexico | 3 | 2 | 3 | 0 | 3 |
| Utah | 2 | 2 | 1 | 0 | 2 |
| Wyoming | 3 | 3 | 2 | 0 | 2 |
| Pacific Contiguous | * | * | 1 | 0 | * |
| California | * | * | 1 | 0 | * |
| Oregon | 2 | 2 | 3 | 0 | 1 |
| Washington | 1 | 1 | 3 | 0 | 1 |
| Pacific Noncontiguous | 1 | 1 | 1 | 0 | 1 |
| Alaska | 3 | 4 | 4 | 0 | 2 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation | All Sectors |
|------------------------------------|-------------|------------|------------|----------------|-------------|
| New England | 1 | * | 2 | 2 | 1 |
| Connecticut | 1 | * | 2 | 5 | 1 |
| Maine | 1 | 1 | 1 | 0 | 1 |
| Massachusetts | 1 | 1 | 4 | 0 | 1 |
| New Hampshire | 1 | 1 | 3 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 4 | 2 | 7 | 0 | 4 |
| Middle Atlantic | * | * | 1 | * | * |
| New Jersey | * | * | 1 | 1 | * |
| New York | * | * | 1 | * | * |
| Pennsylvania | 1 | * | 1 | 0 | * |
| East North Central | 1 | * | 1 | 1 | 1 |
| Illinois | 1 | 1 | 2 | 1 | 1 |
| Indiana | 2 | 1 | 2 | 0 | 2 |
| Michigan | 1 | 1 | 1 | 0 | 1 |
| Ohio | 1 | 1 | 2 | 0 | 1 |
| Wisconsin | 2 | 1 | 3 | 0 | 2 |
| West North Central | 2 | 1 | 2 | 41 | 1 |
| Iowa | 4 | 3 | 4 | 2,513 | 3 |
| Kansas | 5 | 5 | 9 | 0 | 4 |
| Minnesota | 3 | 2 | 3 | 0 | 2 |
| Missouri | 3 | 2 | 5 | 0 | 2 |
| Nebraska | 3 | 2 | 6 | 0 | 3 |
| North Dakota | 2 | 2 | 11 | 0 | 3 |
| South Dakota | 3 | 3 | 6 | 0 | 3 |
| South Atlantic | 1 | 1 | 2 | 1 | 1 |
| Delaware | 2 | 2 | 4 | 0 | 2 |
| District of Columbia | 0 | * | 0 | 4 | 0 |
| Florida | 1 | 1 | 5 | 0 | 1 |
| Georgia | 3 | 2 | 4 | 0 | 2 |
| Maryland | 1 | 1 | 2 | 0 | 1 |
| North Carolina | 2 | 2 | 4 | 0 | 2 |
| South Carolina | 3 | 3 | 4 | 0 | 2 |
| Virginia | 2 | 1 | 5 | 0 | 1 |
| West Virginia | 1 | 1 | * | 0 | 1 |
| East South Central | 1 | 1 | 2 | 0 | 1 |
| Alabama | 2 | 3 | 3 | 0 | 2 |
| Kentucky | 3 | 2 | 2 | 0 | 2 |
| Mississippi | 4 | 4 | 6 | 0 | 3 |
| Tennessee | 2 | 2 | 3 | 0 | 2 |
| West South Central | 2 | 2 | 2 | 0 | 1 |
| Arkansas | 3 | 5 | 6 | 0 | 3 |
| Louisiana | 5 | 4 | 3 | 0 | 3 |
| Oklahoma | 3 | 4 | 6 | 0 | 3 |
| Texas | 2 | 2 | 2 | 0 | 1 |
| Mountain | 1 | 1 | 1 | 0 | 1 |
| Arizona | 1 | 1 | 1 | 0 | 1 |
| Colorado | 3 | 1 | 3 | 0 | 2 |
| Idaho | 2 | 2 | 3 | 0 | 2 |
| Montana | 3 | 2 | 5 | 0 | 2 |
| Nevada | 1 | 1 | * | 0 | 1 |
| New Mexico | 4 | 2 | 3 | 0 | 3 |
| Utah | 3 | 2 | 1 | 0 | 2 |
| Wyoming | 3 | 2 | 2 | 0 | 2 |
| Pacific Contiguous | * | * | 1 | * | * |
| California | * | * | 1 | 0 | * |
| Oregon | 1 | 1 | 5 | 0 | 1 |
| Washington | 1 | 1 | 4 | 46 | 1 |
| Pacific Noncontiguous | 1 | 1 | 1 | 0 | 1 |
| Alaska | 3 | 3 | 5 | 0 | 3 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2008
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation | All Sectors |
|------------------------------------|-------------|------------|------------|----------------|-------------|
| New England | * | 1 | 2 | 0 | * |
| Connecticut | * | 3 | * | 0 | * |
| Maine | 2 | 1 | 3 | 0 | 1 |
| Massachusetts | * | * | * | 0 | * |
| New Hampshire | * | * | 2 | 0 | 1 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | * | * | * | 0 | * |
| Middle Atlantic | 1 | 1 | * | * | 1 |
| New Jersey | * | * | * | 0 | * |
| New York | 1 | 1 | * | * | 1 |
| Pennsylvania | * | * | * | 0 | * |
| East North Central | * | * | * | 0 | * |
| Illinois | 1 | 3 | 14 | 0 | 2 |
| Indiana | * | * | * | 0 | * |
| Michigan | * | * | 1 | 0 | * |
| Ohio | * | * | * | 0 | * |
| Wisconsin | * | * | * | 0 | * |
| West North Central | 1 | 1 | 3 | 3 | 1 |
| Iowa | * | * | * | 218 | * |
| Kansas | 5 | 5 | 17 | 0 | 9 |
| Minnesota | 2 | 2 | 2 | 0 | 1 |
| Missouri | 2 | 1 | * | 0 | 1 |
| Nebraska | 5 | 2 | 4 | 0 | 2 |
| North Dakota | 4 | 10 | 17 | 0 | 6 |
| South Dakota | 4 | 2 | 5 | 0 | 3 |
| South Atlantic | 1 | 2 | 3 | 0 | 1 |
| Delaware | 1 | 1 | * | 0 | 1 |
| District of Columbia | 0 | * | 0 | 0 | 0 |
| Florida | 2 | 1 | 4 | 0 | 1 |
| Georgia | 1 | 1 | 2 | 0 | 1 |
| Maryland | * | * | * | 0 | * |
| North Carolina | 1 | 1 | 1 | 0 | * |
| South Carolina | 4 | 5 | 18 | 0 | 4 |
| Virginia | 6 | 8 | 4 | 0 | 5 |
| West Virginia | * | * | * | 0 | * |
| East South Central | 1 | 1 | 2 | 0 | 1 |
| Alabama | 1 | 4 | 4 | 0 | 1 |
| Kentucky | 2 | 1 | 5 | 0 | 7 |
| Mississippi | 1 | 1 | 8 | 0 | 5 |
| Tennessee | 1 | 1 | 2 | 0 | 1 |
| West South Central | 1 | 1 | 2 | 0 | 1 |
| Arkansas | 2 | 1 | 7 | 0 | 4 |
| Louisiana | 3 | 1 | 6 | 0 | 3 |
| Oklahoma | 2 | 1 | 2 | 0 | 1 |
| Texas | 2 | 3 | 1 | 0 | 1 |
| Mountain | * | * | 1 | 0 | * |
| Arizona | 2 | * | 2 | 0 | 1 |
| Colorado | 1 | 1 | 4 | 0 | 1 |
| Idaho | * | 2 | 2 | 0 | 1 |
| Montana | 2 | 2 | 3 | 0 | * |
| Nevada | * | 1 | * | 0 | * |
| New Mexico | 1 | 2 | 2 | 0 | 1 |
| Utah | 1 | * | 1 | 0 | * |
| Wyoming | 2 | 3 | 3 | 0 | 2 |
| Pacific Contiguous | 1 | * | 2 | 0 | 1 |
| California | 1 | * | 1 | 0 | 1 |
| Oregon | 1 | 1 | 3 | 0 | 1 |
| Washington | 3 | 1 | 8 | 0 | 3 |
| Pacific Noncontiguous | 1 | 1 | 1 | 0 | 1 |
| Alaska | 4 | 2 | 5 | 0 | 3 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2008
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation | All Sectors |
|------------------------------------|-------------|------------|------------|----------------|-------------|
| New England | 1 | 1 | 5 | 1 | 1 |
| Connecticut | * | 3 | * | 2 | * |
| Maine | 5 | 3 | 5 | 0 | 3 |
| Massachusetts | * | * | 4 | 0 | * |
| New Hampshire | 3 | 1 | 12 | 0 | 3 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 |
| Vermont | 2 | 1 | 1 | 0 | 1 |
| Middle Atlantic | 3 | 1 | * | 1 | 2 |
| New Jersey | * | * | * | 5 | * |
| New York | 4 | 2 | 2 | * | 3 |
| Pennsylvania | * | * | * | 0 | * |
| East North Central | 2 | 2 | 3 | 13 | 1 |
| Illinois | 10 | 21 | 65 | 26 | 15 |
| Indiana | * | * | * | 0 | * |
| Michigan | * | * | 3 | 0 | * |
| Ohio | 1 | 1 | 3 | 0 | 1 |
| Wisconsin | 3 | * | * | 0 | 1 |
| West North Central | 4 | 4 | 10 | 10 | 5 |
| Iowa | * | * | * | 624 | * |
| Kansas | 21 | 20 | 63 | 0 | 33 |
| Minnesota | 6 | 4 | 7 | 0 | 3 |
| Missouri | 8 | 3 | * | 0 | 5 |
| Nebraska | 19 | 8 | 20 | 0 | 13 |
| North Dakota | 9 | 30 | 47 | 0 | 14 |
| South Dakota | 5 | 8 | 15 | 0 | 6 |
| South Atlantic | 4 | 8 | 9 | * | 3 |
| Delaware | 5 | 6 | 1 | 0 | 6 |
| District of Columbia | 0 | * | 0 | 1 | 0 |
| Florida | 5 | 3 | 9 | 0 | 3 |
| Georgia | 10 | 4 | 4 | 0 | 6 |
| Maryland | * | * | * | 0 | * |
| North Carolina | 6 | 2 | 2 | 0 | 3 |
| South Carolina | 11 | 16 | 54 | 0 | 8 |
| Virginia | 20 | 31 | 14 | 0 | 17 |
| West Virginia | * | * | * | 0 | * |
| East South Central | 3 | 4 | 7 | 0 | 5 |
| Alabama | 7 | 14 | 17 | 0 | 6 |
| Kentucky | 10 | 4 | 23 | 0 | 23 |
| Mississippi | 6 | 4 | 23 | 0 | 14 |
| Tennessee | 6 | 4 | 8 | 0 | 4 |
| West South Central | 6 | 4 | 3 | 0 | 4 |
| Arkansas | 11 | 5 | 12 | 0 | 10 |
| Louisiana | 15 | 5 | 12 | 0 | 9 |
| Oklahoma | 8 | 2 | 6 | 0 | 4 |
| Texas | 13 | 7 | 5 | 0 | 8 |
| Mountain | 2 | 1 | 3 | 0 | 2 |
| Arizona | 6 | 4 | 7 | 0 | 5 |
| Colorado | 10 | 4 | 15 | 0 | 7 |
| Idaho | 3 | 5 | 6 | 0 | 4 |
| Montana | 6 | 6 | 9 | 0 | 4 |
| Nevada | 2 | 2 | 1 | 0 | 1 |
| New Mexico | 8 | 6 | 9 | 0 | 6 |
| Utah | 5 | 3 | 3 | 0 | 2 |
| Wyoming | 11 | 8 | 11 | 0 | 7 |
| Pacific Contiguous | 3 | 1 | 7 | * | 3 |
| California | 2 | 1 | 4 | 0 | 3 |
| Oregon | 8 | 3 | 14 | 0 | 5 |
| Washington | 11 | 4 | 30 | 110 | 12 |
| Pacific Noncontiguous | 3 | 2 | 3 | 0 | 2 |
| Alaska | 9 | 5 | 13 | 0 | 6 |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Appendix B

Major Disturbances and Unusual Occurrences

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2008

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹¹ | Restoration Date/Time |
|-----------------|--|------------|---|--------------------------------|------------------|--|------------------------|
| January | | | | | | | |
| 01/04/08 | Pacific Gas and Electric Company (WECC) | 4:00 a.m. | Northern California | Winter Storm | 500 | 2,606,931 | 5:00 p.m. January 14 |
| 01/04/08 | Sacramento Municipal Utility District (WECC) | 7:47 a.m. | Sacramento County | Severe Storm | 300 | 150,000 | 4:30 p.m. January 04 |
| 01/29/08 | Crockett Cogeneration (WECC) | 5:00 a.m. | San Francisco Bay Area, California | Exciter Faulted | N/A | - | 12:17 p.m. January 29 |
| 01/29/08 | Entergy Corporation (SERC) | 4:00 p.m. | Arkansas, Mississippi, North Louisiana | Severe Thunderstorms | N/A | 110,000 | 8:00 a.m. February 03 |
| 01/29/08 | DTE Energy - Detroit Edison (RFC) | 10:00 p.m. | Southeastern Michigan | Wind/Ice Storm | N/A | 86,915 | 6:30 p.m. February 01 |
| 01/29/08 | Dayton Power and Light (RFC) | 11:23 p.m. | South Metropolitan Areas of Dayton, Ohio | High Winds | 380 | 45,000 | 12:48 a.m. January 30 |
| 01/30/08 | Niagara Mohawk Power Corporation (NPCC) | 3:06 a.m. | Western, New York | High Winds | 50 | 54,316 | 2:50 p.m. February 01 |
| February | | | | | | | |
| 02/01/08 | Crockett Cogeneration (WECC) | 6:00 a.m. | San Francisco Bay Area, California | Equipment Faulted | N/A | - | 7:49 a.m. February 01 |
| 02/02/08 | Crockett Cogeneration (WECC) | 3:58 a.m. | San Francisco Bay Area, California | Equipment Faulted | N/A | - | 4:27 p.m. February 02 |
| 02/05/08 | LG&E Energy/Kentucky Utilities (SERC) | 10:00 p.m. | State of Kentucky | Severe Weather | N/A | 76,000 | 3:00 a.m. February 06 |
| 02/06/08 | Tennessee Valley Authority (SERC) | 9:00 a.m. | Mid to West Tennessee | Severe Weather | N/A | 57,000 | 11:00 a.m. February 06 |
| 02/09/08 | Pacific Gas and Electric Company (WECC) | 11:59 a.m. | Near Arnold, California | Electrical System Separation | 0 | 0 | 3:33 p.m. February 09 |
| 02/10/08 | Allegheny Power (RFC) | 4:00 a.m. | Southwestern Pennsylvania, West Virginia, Virginia, Maryland | Severe Weather | 412 | 100,969 | 8:43 p.m. February 12 |
| 02/10/08 | PJM Interconnection LLC (RFC) | 11:00 a.m. | Virginia, West Virginia, Ohio, Pennsylvania | High Winds | N/A | 212,560 | 11:36 p.m. February 10 |
| 02/10/08 | American Electric Power (RFC) | 11:00 a.m. | Virginia and West Virginia Area of AEP | High Winds | N/A | 97,342 | 5:05 p.m. February 14 |
| 02/10/08 | Dominion-Virginia Power (SERC) | 2:06 p.m. | Dominion Service Territory | High Winds | 170 | 114,618 | 11:36 p.m. February 10 |
| 02/10/08 | Duke Energy Carolinas (SERC) | 6:02 p.m. | Greenboro, North Carolina and I-40 Corridor | High Winds | 300 | 50,718 | 4:00 a.m. February 11 |
| 02/12/08 | Entergy Corporation (SERC) | 3:00 p.m. | Arkansas, Mississippi, Louisiana | Severe Weather | N/A | 54,000 | 5:00 p.m. February 15 |
| 02/13/08 | ISO New England (NPCC) | 6:43 p.m. | State of Maine | Ice Storm | 50 | 50,462 | 12:00 p.m. February 14 |
| 02/14/08 | PacifiCorp (WECC) | 8:15 a.m. | Utah | Load Shedding | 2,818 | 74,031 | 10:46 a.m. February 14 |
| 02/15/08 | Pacific Gas and Electric Company (WECC) | 3:06 p.m. | Antioch, California | Electrical System Separation | 10 | 10,008 | 7:36 p.m. February 15 |
| 02/25/08 | Owensboro Municipal Utilities (RFC) | 8:00 a.m. | Restricted Coal Capability | Fuel Supply Deficiency | N/A | 0 | 8:00 a.m. March 12 |
| 02/26/08 | Southern Company (SERC) | 5:00 a.m. | Southern Service Area/Alabama and Georgia | Thunderstorms | 484 | 145,380 | 3:00 p.m. February 26 |
| 02/26/08 | Florida Municipal Power Agency (FRCC) | 1:09 p.m. | Various Cities in Florida | Under Frequency/Load Shedding | 140 | 47,661 | 2:10 p.m. February 26 |
| 02/26/08 | Tampa Electric Company (FRCC) | 1:09 p.m. | Tampa Electric Service Territory | Under Frequency/Load Shedding | 318 | 53,965 | 2:40 p.m. February 26 |
| 02/26/08 | Florida Power and Light (FRCC) | 1:09 p.m. | Primary Dade County Florida | Transmission Equipment Failure | 3,200 | 584,384 | 4:11 p.m. February 26 |
| 02/26/08 | Seminole Electric Cooperative (FRCC) | 1:09 p.m. | FRCC Region-West Coast Florida | Shed Firm Load | 120 | 56,000 | 1:47 p.m. February 26 |
| 02/26/08 | Progress Energy Florida (FRCC) | 1:10 p.m. | The entire PEF system was affected, including the following counties: Alachua, Bay, Citrus, Columbia, Dixie, Franklin, Gilchrist, Gulf, Hamilton, Hardee, Hernando, Highlands, Jefferson, Lafayette, Lake, Levy, Madison, Marion, Orange, Osecola, Pasco, Pinellas, Polk, Seminole, Sumter, Suwannee, Taylor, Volusia, Wakulla. | Under Frequency/Load Shedding | 500 | 150,000 | 3:45 p.m. February 26 |

¹¹ Estimated values.

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2008

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|--------------|---|------------|--|--|------------------|---|-----------------------|
| March | | | | | | | |
| 03/04/08 | Duke Energy Carolinas (SERC) | 9:30 p.m. | North and South Carolina | Thunderstorms | 300 | 55,267 | 10:45 p.m. March 04 |
| 03/08/08 | Dominion-Virginia Power (SERC) | 2:14 p.m. | Virginia and Eastern Part of North Carolina | Windstorm | 210 | 141,130 | 9:59 p.m. March 08 |
| 03/08/08 | PECO Energy (RFC) | 4:00 p.m. | Chester, Montgomery, Delaware, Philadelphia and Bucks County, Pennsylvania | Severe Weather | N/A | 168,449 | 1:44 p.m. March 10 |
| 03/15/08 | Southern Company (SERC) | 8:55 p.m. | Parts of Alabama and Georgia | Major Storm | 200 | 157,744 | 8:30 p.m. March 16 |
| April | | | | | | | |
| 04/04/08 | Entergy Corporation (SERC) | 12:31 p.m. | Arkansas, North Louisiana, Mississippi | Severe Thunderstorms | N/A | 122,600 | 5:00 p.m. April 04 |
| 04/09/08 | Oncor Electric Delivery Company LLC (TRE) | 4:00 p.m. | North, Central and East Texas | Severe Weather | N/A | 488,689 | 1:15 a.m. April 13 |
| May | | | | | | | |
| 05/08/08 | California ISO (WECC) | 10:21 a.m. | California | Load Shedding | 483 | 0 | 12:56 a.m. May 08 |
| 05/11/08 | Southern Company (SERC) | 6:00 a.m. | Georgia | Severe Thunderstorms | 100 | 80,539 | 2:30 p.m. May 12 |
| 05/11/08 | Crawfordsville Electric Light and Power (RFC) | 4:50 p.m. | City of Crawfordsville, Indiana | Electric System Separation | 47 | 9,700 | 8:43 p.m. May 11 |
| 05/12/08 | Atlantic City Electric (RFC) | 12:01 a.m. | Cape May, Cumberland, Gloucester, Salem, Camden, Atlantic, Burlington Counties, New Jersey | Severe Storm | 55 | 135,000 | 12:00 a.m. May 14 |
| 05/27/08 | ISO New England (NPCC) | 2:02 p.m. | South West Connecticut | Lightning Storm | 130 | 56,400 | 3:52 p.m. May 27 |
| 05/30/08 | Exelon Corporation-ComEd (RFC) | 9:30 a.m. | Northern and Western Counties of Illinois | Severe Storms | N/A | 109,000 | 11:00 p.m. May 30 |
| 05/30/08 | Entergy Services, Inc. (SERC) | 2:05 p.m. | South Louisiana | Load Shedding, Inadequate Electric Resources to Serve Load | 200-250 | N/A | 8:00 p.m. May 30 |
| 05/30/08 | Indianapolis Power and Light (RFC) | 10:00 p.m. | Northeastern Marion County, Indiana | Severe Thunderstorms | N/A | 70,000 | 11:59 p.m. June 04 |
| June | | | | | | | |
| 06/03/08 | Allegheny Power (RFC) | 5:00 p.m. | Maryland, West Virginia, Virginia | Severe Weather | 634 | 157,168 | 11:00 p.m. June 07 |
| 06/04/08 | Potomac Electric Power Company (RFC) | 3:00 p.m. | Montgomery, Prince Georges, Maryland, Washington, D.C. | Lightning Storm | N/A | 249,408 | 1:00 a.m. June 05 |
| 06/04/08 | Baltimore Gas and Electric Company (RFC) | 3:00 p.m. | Entire BGE Service Territory | Severe Storms | N/A | 108,000 | 5:30 a.m. June 07 |
| 06/04/08 | Dominion-Virginia Power (SERC) | 3:04 p.m. | Northern Virginia | Thunderstorms | 850 | 253,800 | 9:30 p.m. June 05 |
| 06/04/08 | Puerto Rico Electric Power Authority (PR) | 3:14 p.m. | Island of Puerto Rico | Load Shedding/Voltage Reduction | 90 | 100,948 | 3:46 p.m. June 04 |
| 06/06/08 | Consumers Energy (RFC) | 3:18 p.m. | Lower 2/3 of Michigan's Lower Peninsula | Lightning Storm | 100 | 358,000 | 8:00 a.m. June 12 |
| 06/08/08 | Exelon Corporation-ComEd (RFC) | 9:30 a.m. | The Entire ComEd Territory | Severe Weather | N/A | 125,000 | 7:00 a.m. June 09 |
| 06/08/08 | Detroit Edison Company-DTE (RFC) | 6:00 p.m. | Southwestern Michigan (DECO Service Territory) | Severe Storm | 500 | 150,000 | 11:30 p.m. June 16 |
| 06/09/08 | Entergy Services, Inc. (SERC) | 2:00 p.m. | Entergy System | Inadequate Electric Resources to Serve Load | 300 | 19 | 7:00 p.m. June 09 |
| 06/09/08 | Public Service Electric and Gas (RFC) | 2:52 p.m. | Area Around West Orange Switching Station, New Jersey | Fire/Breaker Failure | 215 | 75,654 | 8:25 p.m. June 09 |
| 06/10/08 | National Grid (NPCC) | 11:00 a.m. | Upstate New York | Severe Storm | 400 | 68,000 | 5:30 p.m. June 13 |
| 06/10/08 | Entergy Services, Inc. (SERC) | 2:00 p.m. | Entergy System | Inadequate Electric Resources to Serve Load | 300 | 19 | 6:00 p.m. June 10 |
| 06/10/08 | Public Service Electric and Gas (RFC) | 6:00 p.m. | Bergen, Essex and Hudson Counties, New Jersey | Severe Storms | N/A | 248,800 | 11:30 a.m. June 14 |
| 06/10/08 | PECO Energy (RFC) | 7:00 p.m. | Chester, Montgomery, Delaware, Philadelphia and Bucks County, Pennsylvania | Severe Thunderstorms | N/A | 198,000 | 3:59 p.m. June 14 |
| 06/10/08 | ISO New England (NPCC) | 11:00 p.m. | All Six New England States | Storm | 50 | 60,000 | 9:00 a.m. June 11 |
| 06/11/08 | New York Independent System Operator (NPCC) | 1:15 p.m. | New York State | Uncontrolled Loss | 200 | 61,000 | 2:05 p.m. June 11 |

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2008

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-------------|---|------------|---|---|------------------|---|-----------------------|
| 06/12/08 | Midwest ISO, ITC, ALTW (RFC) | 3:30 p.m. | East Central Iowa | Flooding and Uncontrolled Loss | 200 | 21,000 | 4:00 p.m. June 18 |
| 06/15/08 | Exelon Corporation-ComEd (RFC) | 8:00 a.m. | The Entire ComEd Territory | Severe Weather | N/A | 165,000 | 8:00 p.m. June 15 |
| 06/15/08 | Crawfordsville Electric Light and Power (RFC) | 7:06 p.m. | City of Crawfordsville, Indiana | Electrical System Separation | 57 | 9,700 | 8:42 p.m. June 15 |
| 06/16/08 | Dominion-Virginia Power (SERC) | 4:15 p.m. | Northern Virginia | Thunderstorms | 800-1,000 | 115,000 | 11:19 p.m. June 16 |
| 06/17/08 | Oncor Electric Delivery Company LLC (TRE) | 9:01 a.m. | North, Central and East Texas | Severe Thunderstorms | N/A | 234,393 | 8:30 p.m. June 19 |
| 06/17/08 | Southwestern Public Service Company (SPP) | 8:35 p.m. | Southwestern Public Service Company Operating in the Panhandle of Texas and New Mexico | Electrical System Separation/Severe Thunderstorms | 560 | 18,000 | 1:55 a.m. June 18 |
| 06/17/08 | Golden Spread Electric Cooperative, Inc (TRE) | 8:40 p.m. | Texas Panhandle and Texas South Plains Regions, and Oklahoma Panhandle | Thunderstorms/Unc controlled Loss of Load | 276 | 37,330 | 11:00 p.m. June 17 |
| 06/21/08 | Pacific Gas and Electric Company (WECC) | 3:09 p.m. | Near Rogers Flat, California | Electrical System Separation/Severe Lightning Storms | 3 | 477 | 6:53 p.m. June 21 |
| 06/22/08 | Northern Indiana Public Service Company (RFC) | 4:55 p.m. | Northwest Indiana | Lightning Strike/Uncontrolled Loss of Load | 650 | N/A | 5:05 p.m. June 22 |
| 06/23/08 | Northern Indiana Public Service Company (RFC) | 1:44 p.m. | Northcentral Indiana | Fire/Breaker Failure | 425 | N/A | 1:45 p.m. June 23 |
| 06/23/08 | Progress Energy Florida (FRCC) | 4:52 p.m. | Pinellas County, Florida | Transmission Equipment Failure/Load Shedding | 113 | 32,593 | 11:28 p.m. June 23 |
| 06/26/08 | Detroit Edison Company-DTE (RFC) | 5:00 p.m. | Southeastern Michigan (DTE Service Territory) | Thunderstorms | N/A | 53,000 | 9:30 p.m. June 26 |
| 06/27/08 | Omaha Public Power District (MRO) | 4:30 p.m. | Omaha, Nebraska (Metro Area) | Severe Wind Storm | 650 | 126,000 | 5:30 p.m. June 27 |
| July | | | | | | | |
| 07/01/08 | Crockett Cogeneration (WECC) | 7:31 a.m. | San Francisco Bay Area, California | Unit Tripped | 160 | - | 12:00 p.m. July 01 |
| 07/02/08 | Consumers Energy (RFC) | 3:00 p.m. | Lower 2/3 of Michigan's Lower Peninsula | Severe Weather | 125 | 239,663 | 12:00 p.m. July 06 |
| 07/02/08 | State of California, Department of Water Resources (WECC) | 4:00 p.m. | Restricted Hydroelectric Capability | Fuel Supply Deficiency | - | - | Ongoing |
| 07/02/08 | California ISO (WECC) | 7:16 p.m. | Santa Barbara County, California, near Goleta | Wild Land Fire | 208 | 200,000 | 11:28 p.m. July 02 |
| 07/02/08 | Southern California Edison (WECC) | 7:36 p.m. | Goleta and Santa Barbara Areas of Southern California | Brush Fire/Lines Loss/Transmission Emergency Declared | 119 | 37,784 | 1:10 a.m. July 03 |
| 07/02/08 | Detroit Edison Company-DTE (RFC) | 8:00 p.m. | Southeastern Michigan (DTE Service Territory) | Thunderstorms | N/A | 56,000 | 3:00 a.m. July 03 |
| 07/07/08 | California ISO (WECC) | 12:15 p.m. | ISO Balancing Area | Heat Wave/Potential Fire Threat/Made Public Appeals | 0 | 0 | 5:00 p.m. July 10 |
| 07/10/08 | Crockett Cogeneration (WECC) | 2:22 p.m. | San Francisco Bay Area, California | Unit Tripped | 240 | - | 5:21 p.m. July 10 |
| 07/21/08 | MidAmerician Energy Company (MRO) | 12:49 a.m. | Sioux City, Carroll, Des Moines, Iowa City, and Davenport Iowa, Rock Island, Moline, and Surrounding Area of Illinois | Storm | 170 | 185,000 | 6:00 p.m. July 22 |
| 07/22/08 | Duke Energy Indiana (RFC) | 3:00 a.m. | Indiana | Severe Thunderstorms | N/A | 58,000 | 7:32 p.m. July 24 |
| 07/22/08 | Duke Energy Ohio (RFC) | 3:00 a.m. | Southwest Ohio | Severe Thunderstorms | N/A | 56,000 | 3:30 a.m. July 23 |
| 07/22/08 | Southwestern Public Service Company (SPP) | 2:00 p.m. | Texas Panhandle and Southeastern New Mexico | Inadequate Electric Resources to Serve Load/Public Appeal | N/A | - | 5:09 a.m. July 24 |
| 07/23/08 | American Electric Power (TRE) | 5:56 a.m. | Port Isabel, Harlingen, Weslaco, Pharr, San Benito, Mission, McAllen, Edinburg, Texas | Hurricane Dolly | 703 | 211,266 | 4:00 a.m. July 31 |

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2008

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|------------------|---|------------|---|---|------------------|---|-------------------------|
| 07/24/08 | ISO New England (NPCC) | 7:23 a.m. | Bangor Hydro System, northern Maine | Electric System Separation/Severe Lightning Storms | 180 | 110,000 | 5:41 p.m. July 24 |
| August | | | | | | | |
| 08/02/08 | Southern Company (SERC) | 8:00 p.m. | Georgia and Alabama | Severe Thunderstorms | 400 | 131,115 | 5:30 a.m. August 03 |
| 08/03/08 | Entergy Corporation (SERC) | 1:30 a.m. | Mississippi, Louisiana, Texas | Severe Thunderstorms | N/A | 59,500 | 4:15 a.m. August 03 |
| 08/04/08 | Exelon Corporation West ComEd (RFC) | 6:00 p.m. | The ComEd Territory | Severe Weather | N/A | 653,000 | 8:00 a.m. August 06 |
| 08/05/08 | Northern Indiana Public Service Company (RFC) | 3:00 a.m. | Northwest Indiana | Severe Storms | 0 | 63,000 | 9:50 a.m. August 05 |
| 08/09/08 | XCEL (Southwest Public Service Company) (SPP) | 12:00 p.m. | Texas Panhandle and Eastern New Mexico | Declared Energy Emergency Alert 1/Made Public Appeals | 0 | 0 | 8:46 p.m. August 09 |
| 08/15/08 | Seattle City Light (WECC) | 12:52 p.m. | Part of Seattle's Downtown | Made Public Appeals | 100 | 8,000 | 5:00 p.m. August 15 |
| 08/16/08 | Lubbock Power and Light (TRE) | 5:23 a.m. | City of Lubbock | Lightning/Transmission Equipment Damage | 153 | 71,823 | 7:30 a.m. August 16 |
| 08/16/08 | Puerto Rico Electric Power Authority (PR) | 8:14 a.m. | Island of Puerto Rico | Shed Firm Load/Voltage Reduction | 300 | 200,000 | 3:00 p.m. August 16 |
| 08/18/08 | Puerto Rico Electric Power Authority (PR) | 7:22 p.m. | North Part of Island | Shed Firm Load | 225 | 100,000 | 6:44 p.m. August 19 |
| 08/19/08 | Florida Power and Light (FRCC) | 9:29 a.m. | Florida | Tropical Storm Fay | N/A | 101,950 | 10:00 p.m. August 22 |
| 08/21/08 | Progress Energy Florida (FRCC) | 7:00 p.m. | Alachua, Bay, Brevard, Citrus, Columbia, Dixie, Flagler, Franklin, Gilchrist, Gulf, Hamilton, Hardee, Hernando, Highlands, Jefferson, Lafayette, Lake, Leon, Levy, Madison, Marion, Orange, Osceola, Pasco, Pinellas, Polk, Seminole, Sumter, Suwannee, Taylor, Volusia and Wakulla Counties in Florida | Tropical Storm Fay | N/A | 430,000 | 8:00 a.m. August 25 |
| 08/22/08 | Mirant Chalk Point LLC (RFC) | 12:00 p.m. | - | Fuel Supply Emergency-Low Coal Inventory Levels | 0 | 0 | 12:00 p.m. August 23 |
| 08/24/08 | Southern Company (SERC) | 4:30 a.m. | Georgia and Alabama | Tropical Storm Fay | 110 | 87,390 | 2:00 p.m. August 24 |
| 08/31/08 | Dow Chemical Company (SERC) | 7:30 a.m. | Plaquemine, Louisiana | Fuel Supply Curtailed | 200 | 0 | 9:00 a.m. September 19 |
| 08/31/08 | Entergy Corporation (SERC) | 7:00 p.m. | Louisiana, Mississippi, Arkansas | Hurricane Gustav | N/A | 964,000 | 9:00 a.m. September 03 |
| September | | | | | | | |
| 09/01/08 | Louisiana Generating LLC (SERC) | 10:30 a.m. | Primarily South and Central Louisiana | Hurricane Gustav | 400 | 150,000 | 7:22 p.m. September 13 |
| 09/01/08 | Cleco Power LLC (SERC) | 11:45 a.m. | Bayou Division and North Lake Division, Louisiana | Hurricane Gustav | N/A | 246,092 | 4:00 p.m. September 10 |
| 09/06/08 | Progress Energy Carolinas (SERC) | 7:45 a.m. | Eastern North Carolina | Tropical Storm Hanna | N/A | 57,000 | 10:30 a.m. September 06 |
| 09/06/08 | Dominion-Virginia Power (SERC) | 2:15 p.m. | North East North Carolina and Virginia | Tropical Storm Hanna | 220 | 64,463 | 4:06 p.m. September 06 |
| 09/08/08 | State of California, Department of Water Resources (WECC) | 10:03 p.m. | A.D. Edmonston Pumping Plant | Fuel Supply Deficiency | 300 | 0 | 12:28 a.m. September 09 |
| 09/12/08 | Entergy Corporation (SERC) | 5:45 a.m. | Primarily Southeast Texas, Louisiana, and Arkansas | Hurricane Ike | N/A | 705,000 | 1:00 p.m. September 14 |
| 09/12/08 | CenterPoint Energy (TRE) | 6:21 p.m. | Greater Houston-Galveston Metro Area | Hurricane Ike | 8,087 | 2,142,678 | 11:59 p.m. October 01 |
| 09/12/08 | Electric Reliability Council of Texas (TRE) | 6:21 p.m. | Greater Houston Area-Eastern Region of ERCOT | Hurricane Ike | N/A | 2,504,366 | 11:59 p.m. October 01 |
| 09/12/08 | Texas New Mexico Power Company (TRE) | 8:00 p.m. | Galveston and Brazoria Counties | Hurricane Ike | 650 | 113,247 | 7:00 p.m. September 27 |
| 09/13/08 | Louisiana Generating LLC (SERC) | 10:24 a.m. | Southwest Louisiana | Hurricane Ike | 40 | 50,000 | 2:40 p.m. September 27 |

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through November 2008

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-----------------|--|------------|---|------------------------------|------------------|---|-------------------------|
| 09/13/08 | Oncor Electric Delivery Company LLC (TRE) | 12:00 p.m. | North, Central and East Texas | Hurricane Ike | N/A | 238,392 | 8:00 a.m. September 15 |
| 09/13/08 | American Electric Power CSWS (SPP) | 4:00 p.m. | Texas and Louisiana | Hurricane Ike | N/A | 184,501 | 7:44 p.m. September 16 |
| 09/14/08 | Midwest ISO (RFC) | 6:30 a.m. | Ohio, Kentucky, Indiana | Tropical Depression Ike | N/A | 875,000 | 2:38 p.m. September 14 |
| 09/14/08 | Ameren Corporation (MRO) | 7:30 a.m. | Missouri and Illinois | Hurricane Ike | N/A | 107,000 | 3:00 p.m. September 18 |
| 09/14/08 | Owensboro Municipal Utilities (RFC) | 10:01 a.m. | City of Owensboro, Kentucky | High Winds | 70 | 18,000 | 5:00 p.m. September 21 |
| 09/14/08 | Louisville Gas/Kentucky Utilities (RFC) | 11:30 a.m. | State of Kentucky | Tropical Depression Ike | N/A | 375,000 | 4:30 p.m. September 14 |
| 09/14/08 | Dayton Power and Light (RFC) | 2:00 p.m. | Dayton Ohio Area | Hurricane Ike | 1,000 | 95,000 | 12:00 p.m. September 17 |
| 09/14/08 | American Electric Company (RFC) | 4:00 p.m. | Northern Indiana, Central and Central Southern Ohio | Wind Storm | N/A | 650,000 | 11:00 p.m. September 20 |
| 09/14/08 | Cleveland Electric Illuminating Company (RFC) | 5:00 p.m. | Northeast Ohio | Wind Storm | 430 | 245,164 | 3:20 a.m. September 22 |
| 09/14/08 | Pennsylvania Electric Company (RFC) | 5:00 p.m. | Western Pennsylvania | Wind Storm | 72 | 124,596 | 12:38 p.m. September 19 |
| 09/14/08 | Ohio Edison Company (RFC) | 5:00 p.m. | Southern, Eastern, and Central Ohio | Wind Storm | 469 | 564,728 | 5:11 p.m. September 22 |
| 09/14/08 | Duquesne Light Company (RFC) | 7:00 p.m. | Allegheny and Beaver Counties in Pennsylvania | Tropical Depression Ike | 600 | 105,000 | 11:59 p.m. September 14 |
| 09/15/08 | Allegheny Power (RFC) | 12:37 a.m. | Western Pennsylvania | Tropical Depression Ike | 546 | 160,875 | 4:30 p.m. September 19 |
| 09/22/08 | Puerto Rico Electric Power Authority (PR) | 5:49 p.m. | Island of Puerto Rico | Shed Firm Load | 125 | 43,600 | 6:39 a.m. September 22 |
| 09/30/08 | Pacific Gas and Electric Company (WECC) | 2:02 p.m. | Plumas County, California | Electrical System Separation | 30 | 10,000 | 2:05 p.m. September 30 |
| October | | | | | | | |
| 10/02/08 | Dow Chemical Company (SERC) | 2:50 p.m. | Louisiana | Load Shedding | 200 | 0 | 9:50 a.m. October 02 |
| 10/25/08 | ISO New England (NPCC) | 11:00 p.m. | Connecticut | Severe Storm | N/A | 52,000 | 7:00 a.m. October 27 |
| November | | | | | | | |
| 11/07/08 | Southern California Edison (WECC) | 11:13 a.m. | Goleta and Santa Barbara Areas of Southern California | Load Shedding | 250 | 140,000 | 11:54 a.m. November 07 |
| 11/07/08 | California ISO (WECC) | 11:15 a.m. | Southern California | Load Shedding | 430 | 400,000 | 11:54 a.m. November 07 |
| 11/11/08 | Puerto Rico Electric Power Authority (PR) | 8:30 a.m. | Island of Puerto Rico | Shed Firm Load | 250 | 261,000 | 12:19 a.m. November 11 |
| 11/15/08 | Los Angeles Department of Water and Power (WECC) | 9:39 a.m. | City of Los Angeles | Brush Fire/Shed Firm Load | 211 | 115,500 | 10:10 a.m. November 15 |

Note: Estimates for 2008 are preliminary.

Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2007

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-----------------|--|------------|---|------------------------|------------------|---|------------------------|
| January | | | | | | | |
| 01/05/07 | Puerto Rico Electric Power Authority (PR) | 10:44 a.m. | Island of Puerto Rico | Voltage Reduction | 0 | 0 | 11:13 a.m. January 05 |
| 01/13/07 | Ameren Corporation (MRO) | 5:00 a.m. | Missouri and Illinois | Ice Storm | N/A | 225,000 | 12:00 p.m. January 19 |
| 01/13/07 | DTE Energy (Detroit Edison) (RFC) | 7:30 a.m. | Eastern and Lower Michigan | Ice Storm | 500 | 129,607 | 4:00 p.m. January 19 |
| 01/16/07 | Snohomish County PUD No. 1 (WECC) | 2:00 a.m. | Snohomish County, Washington | Major Windstorm | 260 | 110,433 | 12:00 a.m. January 17 |
| February | | | | | | | |
| 02/13/07 | Duke Energy Midwest (RFC) | 2:00 p.m. | Indiana and Southwest Ohio | Ice/Wind Storm | 250 | 367,500 | 12:00 a.m. February 16 |
| 02/13/07 | Baltimore Gas and Electric Company (RFC) | 5:00 p.m. | Central Maryland | Winter Storm | 400 | 155,183 | 5:30 a.m. February 17 |
| 02/24/07 | MidAmerican Energy Company (MRO) | 4:00 p.m. | NE quarter of State of Iowa and Rock Island, Illinois | Ice Storm | 210 | 75,000 | 12:57 a.m. March 04 |
| 02/24/07 | Alliant Energy (MRO) | 6:00 p.m. | Central Iowa and Cedar Rapids areas | Ice Storm | 400 | 140,000 | 11:47 p.m. February 24 |
| 02/24/07 | Midwest ISO (RFC) | 7:23 p.m. | Cedar Rapids, Iowa | Ice Storm | 750 | 215,000 | 12:47 a.m. February 25 |
| 02/28/07 | Pacific Gas and Electric Company (WECC) | 12:45 a.m. | Northern California | Winter Storm | 110 | 671,189 | 8:45 p.m. March 02 |
| March | | | | | | | |
| 03/01/07 | Southern Company (SERC) | 9:40 p.m. | Parts of Alabama, Mississippi, Georgia, Florida | Major Storm | 95 | 25,445 | 11:30 p.m. March 02 |
| 03/31/07 | CenterPoint Energy (ERCOT) | 7:30 a.m. | Houston, Texas | Severe Thunderstorms | 179 | 67,000 | 7:00 p.m. March 31 |
| April | | | | | | | |
| 04/05/07 | Central Maine Power Company (NPCC) | 9:20 p.m. | Southern and Coastal Maine | Heavy Snow Storm | - | 117,142 | 1:10 p.m. April 06 |
| 04/12/07 | Los Angeles Department of Water and Power (WECC) | 12:32 a.m. | City of Los Angeles, California | High Winds | 200 | 158,977 | 9:02 p.m. April 12 |
| 04/12/07 | Crockett Cogeneration (WECC) | 9:09 a.m. | San Francisco Bay Area, California | Trip of a Unit | 130 | - | 11:23 a.m. April 12 |
| 04/14/07 | National Grid - New England (NPCC) | 9:00 a.m. | Massachusetts, New Hampshire, Rhode Island | High Winds | 65-80 | 70,000 | 11:00 a.m. April 14 |
| 04/16/07 | Public Service New Hampshire Electric System Control Center (NPCC) | 8:00 a.m. | New Hampshire | Severe Thunderstorms | - | 102,568 | 7:00 p.m. April 16 |
| 04/16/07 | Central Maine Power Company (NPCC) | 10:14 a.m. | Southern and Coastal Maine | Heavy Snow Storm | - | 127,545 | 10:18 p.m. April 18 |
| 04/16/07 | Progress Energy - Carolinas, Inc. (SERC) | 11:00 a.m. | North and South Carolina | High Winds | - | 33,000 | 7:00 p.m. April 16 |
| 04/16/07 | Baltimore Gas and Electric Company (RFC) | 2:00 p.m. | Central Maryland - Baltimore City and surrounding Counties | Severe Thunderstorms | 160 | 138,000 | 5:00 p.m. April 18 |
| 04/16/07 | Dominion - Virginia Power/North Carolina (SERC) | 2:04 p.m. | North, East and Central Virginia/Parts of Northeast North Carolina | High Winds | 90 | 242,000 | 7:03 p.m. April 16 |
| May | | | | | | | |
| 05/02/07 | Oncor Electric Delivery Company (ERCOT) | 1:30 p.m. | North Texas, Dallas Fort Worth Metroplex and Surrounding Counties, South to Waco and North to Red River | Severe Storms | - | 300,000 | 8:00 p.m. May 03 |
| 05/10/07 | Crockett Cogeneration (WECC) | 9:57 a.m. | San Francisco Bay Area, California | Unit Tripped | 150 | - | 1:47 p.m. May 10 |
| 05/14/07 | Crockett Cogeneration (WECC) | 11:15 a.m. | San Francisco Bay Area, California | Unit Tripped | 150 | - | 1:50 p.m. May 14 |
| 05/15/07 | DTE Energy (Detroit Edison) (RFC) | 3:00 p.m. | Southeastern Michigan | Severe Thunderstorms | 500 | 66,000 | 7:00 a.m. May 17 |
| 05/16/07 | Northeast Utilities (NPCC) | 6:00 p.m. | All of Connecticut | Severe Storm | - | 67,000 | 5:00 a.m. May 19 |
| 05/21/07 | Crockett Cogeneration (WECC) | 1:48 p.m. | San Francisco Bay Area, California | Unit Tripped | 140 | - | 4:50 p.m. May 21 |
| June | | | | | | | |
| 06/01/07 | State of California, Department of Water Resources (WECC) | 1:00 p.m. | Restricted Hydroelectric Capability | Fuel Supply Deficiency | - | - | Ongoing |
| 06/05/07 | Idaho Power Company (WECC) | 10:56 a.m. | Southwest Idaho and Eastern Oregon | Load Shedding | 424 | 80,000 | 11:51 a.m. June 05 |
| 06/27/07 | Consolidated Edison of NY Inc (NPCC) | 3:41 p.m. | Northern Manhattan NY (Yorkville) and SW Bronx (Motthaven, Melrose, High Bridge Sections) | Lightning | 460 | 137,000 | 4:30 p.m. June 27 |

Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2007

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|------------------|---|------------|---|--|------------------|---|------------------------|
| 06/27/07 | New York Independent System Operator (NPCC) | 3:42 p.m. | New York State | Loss of Load | 460 | - | 4:30 p.m. June 27 |
| 06/29/07 | Salt River Project (WECC) | 9:23 a.m. | Metropolitan Phoenix Area | Loss of Load | 399 | 98,700 | 10:09 a.m. June 29 |
| July | | | | | | | |
| 07/03/07 | California Independent System Operator (WECC) | 10:59 a.m. | CAISO Controlled Grid | Public Appeal | N/A | N/A | 6:00 p.m. July 05 |
| 07/05/07 | DTE Energy (Detroit Edison) (RFC) | 7:00 p.m. | Southeastern Michigan | Severe Storm | - | 69,000 | 7:00 a.m. July 08 |
| 07/06/07 | Idaho Power Company (WECC) | 5:18 p.m. | Southeast Idaho and Eastern Oregon | Electrical Separation/Load Shedding/Made Public Appeal | 60 | 0 | 6:20 p.m. July 06 |
| 07/10/07 | National Grid - NY (NPCC) | 11:00 a.m. | Eastern New York | Major Storms | 650 | 300,000 | 6:00 a.m. July 12 |
| 07/16/07 | PacifiCorp (WECC) | 4:17 p.m. | St. George, Utah | Fire/Load Shedding | 306 | - | 9:00 p.m. July 16 |
| 07/18/07 | Exelon Corporation West ComEd (RFC) | 6:00 p.m. | Northern Counties of Illinois | Severe Weather | 300 | 135,000 | 2:00 a.m. July 19 |
| 07/19/07 | DTE Energy (Detroit Edison) (RFC) | 3:00 p.m. | Southwestern Region of Service Territory | Major Storm | - | 60,000 | 11:30 p.m. July 22 |
| 07/19/07 | Dominion - Virginia Power/North Carolina Power (SERC) | 3:50 p.m. | North, East and Central Virginia | Major Storms | 72 | 107,000 | 10:15 p.m. July 19 |
| August | | | | | | | |
| 08/08/07 | Progress Energy - Carolinas, Inc. (SERC) | 1:00 p.m. | Portions of North Carolina and South Carolina | Made Public Appeal | N/A | N/A | 9:00 p.m. August 08 |
| 08/08/07 | PJM Interconnection (RFC) | 3:56 p.m. | Mid-Atlantic Region of PJM | Voltage Reduction/Made Public Appeal | N/A | N/A | 5:59 p.m. August 08 |
| 08/09/07 | Progress Energy - Carolinas, Inc. (SERC) | 12:45 p.m. | Portions of North Carolina and South Carolina | Made Public Appeal | N/A | N/A | 9:00 p.m. August 09 |
| 08/09/07 | Duquesne Light Company (RFC) | 2:53 p.m. | Highland Area of Pittsburgh, Pennsylvania | Severe Thunderstorms | 90 | 55,000 | 4:11 p.m. August 09 |
| 08/10/07 | Progress Energy - Carolinas, Inc. (SERC) | 12:20 p.m. | Portions of North Carolina and South Carolina | Made Public Appeal | N/A | N/A | 9:00 p.m. August 10 |
| 08/13/07 | Ameren Corporation (SERC) | 1:30 a.m. | State of Missouri | Severe Thunderstorm | N/A | 63,000 | 12:00 a.m. August 14 |
| 08/14/07 | American Electric Power (CSWS) (SPP) | 2:00 p.m. | CSWS Control Area of Southwest Power Pool Parts of Oklahoma, Texas, Louisiana, Arkansas | Declared Energy Emergency Alert2/Heat Wave | 20 | - | 6:00 p.m. August 14 |
| 08/16/07 | Dominion Virginia Power (SERC) | 9:30 p.m. | Virginia and Eastern North Carolina - Primarily in Central Virginia | Severe Weather | 200 | 93,300 | 10:49 p.m. August 17 |
| 08/19/07 | Dominion Virginia Power (SERC) | 11:34 p.m. | Central and Eastern Virginia | Severe Thunderstorms | 100 | 58,500 | 1:10 a.m. August 20 |
| 08/23/07 | Exelon Corporation West ComEd (RFC) | 4:00 p.m. | Northern Illinois | Severe Storms | N/A | 629,590 | 10:49 p.m. August 28 |
| 08/24/07 | DTE Energy (Detroit Edison) (RFC) | 6:00 p.m. | Southeastern Michigan | Severe Storm | N/A | 75,000 | 6:30 a.m. August 28 |
| 08/29/07 | Modesto Irrigation District (WECC) | 1:53 p.m. | Modesto California and the Surrounding Areas | Shed Load | 180 | 26,000 | 2:57 p.m. August 29 |
| 08/29/07 | California Independent System Operator (WECC) | 4:00 p.m. | CAISO Controlled Grid | Made Public Appeal | N/A | N/A | 6:00 p.m. August 30 |
| 08/31/07 | California Independent System Operator (WECC) | 12:45 p.m. | CAISO Controlled Grid | Declared Energy Emergency Alert 1/Heat wave | N/A | N/A | 8:00 p.m. August 31 |
| September | | | | | | | |
| 09/03/07 | San Diego Gas and Electric Company (WECC) | 12:30 p.m. | San Diego County, Southern Orange County, California | High Temperatures/Made Public Appeals | N/A | N/A | 5:30 p.m. September 03 |
| 09/04/07 | San Diego Gas and Electric Company (WECC) | 8:30 a.m. | San Diego County, Southern Orange County, California | High Temperatures/Made Public Appeals | N/A | N/A | 3:30 p.m. September 04 |
| 09/05/07 | Luminant Energy Company, LLC (ERCOT) | 7:53 a.m. | Central Texas, ERCOT Grid | Severe Weather/Transmission Fault-Units Tripped | 1,084 | N/A | 1:11 p.m. September 05 |
| 09/06/07 | State of California, Department of Water Resources (WECC) | 8:00 p.m. | Hydro Electric System | Fuel Supply Deficiency | N/A | N/A | Ongoing |
| 09/13/07 | Entergy Corporation (SPP) | 4:00 a.m. | Between Galveston and Beaumont, Texas | Hurricane Humberto | N/A | 118,000 | 7:00 a.m. September 14 |

Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2007

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-----------------|---|-----------|---|---|------------------|---|-------------------------|
| 09/17/07 | Crawfordsville Electric Light and Power (RFC) | 7:01 p.m. | City of Crawfordsville, Indiana | Electrical System Separation | 50 | 9,600 | 7:48 p.m. September 17 |
| 09/18/07 | Northern States Power Company (MRO) | 5:14 a.m. | Minnesota, Wisconsin, North Dakota, South Dakota and Michigan | Electrical System Separation/Load Shedding/ Implemented Emergency Alert/Severe Storms | 16 | 6,000 | 6:10 a.m. September 18 |
| 09/18/07 | Great River Energy (MRO) | 5:15 a.m. | Minnesota, North Dakota, Manitoba | Electrical System Separation/Load Shedding/ Implemented Emergency Alert/Severe Storms | 8,000-10,000 | GRE (1,900) Total 11,175 | 6:30 a.m. September 18 |
| 09/18/07 | Midwest ISO (RFC) | 5:15 a.m. | Manitoba, Minnesota, North Dakota, Portions of South Dakota and Wisconsin. Midwest ISO's Market subregions: OTP, NSP, GRE, ALTW, MP | Electrical System Separation/Load Shedding/ Implemented Emergency Alert/Severe Storms | 8,000-10,000 | 11,175 | 12:00 a.m. September 18 |
| 09/24/07 | New Covert Generating Company, LLC (RFC) | 1:38 p.m. | Southwest Michigan | Unit Tripped | 320 | N/A | 4:26 p.m. September 24 |
| October | | | | | | | |
| 10/18/07 | Puget Sound Energy (WECC) | 3:00 p.m. | Western Washington | High Winds | N/A | 160,000 | 11:36 a.m. October 22 |
| 10/22/07 | Southern California Edison Company (WECC) | 2:01 p.m. | Southern California | Brush Fire/Load Shedding/Implemented Emergency Alert | 451 | 90,323 | 2:22 p.m. October 22 |
| 10/22/07 | California Independent System Operator (WECC) | 2:05 p.m. | Southern California | Brush Fire/Load Shedding | 700 | 300,000 | 2:22 p.m. October 22 |
| 10/22/07 | San Diego Gas and Electric Company (WECC) | 2:06 p.m. | San Diego County, California | Brush Fire/Load Shedding | 199 | 68,780 | 2:43 p.m. October 22 |
| 10/26/07 | Southern California Edison Company (WECC) | 6:44 a.m. | Southern California | Brush Fire/Load Shedding | 280 | 20,345 | 10:46 a.m. October 26 |
| 10/26/07 | City of Riverside (WECC) | 6:44 a.m. | Riverside, California | Load Shedding | 240 | 104,000 | 10:43 a.m. October 26 |
| November | | | | | | | |
| 11/03/07 | ISO New England (NPCC) | 6:00 p.m. | Eastern Massachusetts, Rhode Island, Cape Cod | Tropical Storm | 100 | 62,843 | 6:00 a.m. November 04 |
| December | | | | | | | |
| 12/01/07 | ISO New England (NPCC) | 6:04 p.m. | State of Maine | Voltage Reduction/Made Public Appeal/Fuel Deficiency | 0 | 0 | 10:00 p.m. December 02 |
| 12/04/07 | Puerto Rico Electric Power Authority (PR) | 2:16 p.m. | Island of Puerto Rico | Voltage Reduction | 0 | 0 | 5:53 p.m. December 04 |
| 12/10/07 | American Electric Power (SPP) | 3:08 a.m. | Tulsa, Oklahoma | Ice Storm | N/A | 256,663 | 8:00 a.m. December 19 |
| 12/11/07 | Westar Energy (MRO) | 4:00 a.m. | Eastern half of the State of Kansas | Ice Storm | 500 | 95,000 | 3:30 p.m. December 20 |
| 12/11/07 | Puerto Rico Electric Power Authority (PR) | 8:57 p.m. | Island of Puerto Rico | Voltage Reduction | 0 | 0 | 9:22 p.m. December 11 |
| 12/23/07 | Exelon Corporation West ComEd (RFC) | 1:00 a.m. | The Entire ComEd Service Territory | Severe Storm | N/A | 237,000 | 9:00 p.m. December 23 |
| 12/23/07 | Consumers Energy (RFC) | 5:30 a.m. | Lower 2/3 of Michigan Lower Peninsula | Winter Storm | 50 | 134,288 | 6:07 p.m. December 25 |

¹ Estimated values.

Note: Estimates for 2007 are final.

Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Technical Notes

The Energy Information Administration (EIA) periodically reviews and revises how it collects, estimates, and reports data pertaining to the electric power industry. These Technical Notes describe current data quality efforts and measures as well as each active survey form contributing to the data published in the *Electric Power Monthly (EPM)*.

Data Quality

The *EPM* is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF), Energy Information Administration (EIA), U.S. Department of Energy. Quality statistics begin with the collection of the correct data. To assure this, CNEAF 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, CNEAF 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 nonsampling. 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 nonsampling errors. Monthly sample survey data have both sampling and nonsampling error. Annual survey data are collected by a census and are not subject to sampling error.

Nonsampling 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 nonsampling 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 nonsampling errors are handled in each case^{2,3,5,14,15,19,25}.

Relative Standard Error. The relative standard error (RSE) statistic, usually given as a percent, describes the magnitude of sampling error that might reasonably be incurred^{11,14,17}. 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 variable¹².

The sampling error may be less than the nonsampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated nonsampling errors, which were then identified and corrected. Nonsampling 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 nonsampling errors also occur in complete censuses. In a complete census, this problem may become unmanageable.

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 percents. 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 nonsampling 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^{14, 18, 23}.

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 percent. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from both sampling and non-sampling errors^{15, 16, 17, 20}. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample^{17, 20}. 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 data¹⁸. 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, CNEAF 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 robustness¹⁴.

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^{11, 12, 18, 19, 21}. 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.

The basic technique employed is described in the paper "Model-Based Sampling and Inference¹²," on the EIA website. Additional references can be found on the InterStat website. The basis for the current methodology involves a 'borrowing of strength' technique for small domains^{11, 13, 14}.

Data Revision Procedure

CNEAF 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 only after the completion of the 12-month cycle of the data. No revisions are made to the published data before this 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.

In accordance with the policy statement above, the mean absolute value for the 12 monthly revisions of each item are provided at the U.S. level for the years 2004 through 2006 (Table C2). For example, the mean (in percentage terms) of the 12 monthly absolute differences between preliminary and final monthly data for coal-fired generation in 2006 was 0.19. That is, on average, the mean absolute value of the change made each month to coal-fired generation was 0.19 percent.

Data Sources For Electric Power Monthly

Data published in the *Electric Power Monthly (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.doe.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 Annuals to find

descriptions of forms that are no longer in use. The publications are located at:

<http://www.eia.doe.gov/cneaf/electricity/epa/backissues.html>

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.

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

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

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 450 of the largest electric utilities (primarily investor-owned and publicly owned) as well as a census of energy service providers with retail sales 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^{6,7,8,9}. The sample for the Form EIA-826 was designed to obtain estimates of electricity sales and average retail price of electricity 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 retail energy providers 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 October 2004 issue of the Electric Power Monthly (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 include 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 retail 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^{3,6,19}.

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 dataⁱ, the regressor data for Schedule 1 Parts B and C is the prior month’s dataⁱⁱ.

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.

ⁱ Data from 2007 will be finalized with the publication of the *Electric Power Annual 2007*.

ⁱⁱ If a census of schedules B and C is not available for the prior month, the most recent completely censused prior month is used.

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 retail sales of electricity to ultimate customers and revenue from retail 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 December 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 retail price of electricity at the State level. The estimates are accumulated separately to produce the Census Division and U.S. level estimates¹³.

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 retail price of electricity by end-use sector at State, Census

Division, and national level. Estimation procedures include imputation to account for nonresponse. Nonsampling error must also be considered. The nonsampling error is not estimated directly, although attempts are made to minimize the nonsampling error^{11,12,13,14,15,20}.

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

The electric revenue used to calculate the average retail price of electricity 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 retail price of electricity 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 (Formerly identified as Data Confidentiality). 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 census of all existing and planned electric power plants 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 5-year plans for constructing new plants, 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 and 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. The completed survey is due to EIA by February 15 of each year.

Instrument and Design History. The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. 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. At the same time, Form EIA-867, “Annual Nonutility Power Producer Report,” was renamed Form EIA-860B, “Annual Electric Generator Report – Nonutility” to collect data from nonutilities.

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.

Beginning with data collected for the calendar year ending December 31, 2007, Form EIA-860 is revised to include the collection of boiler level data related to air emission standards and emission controls along with design parameters of associated environmental related equipment.

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.

Approximately 2,700 respondents are requested to provide data as of December 31 on the Form EIA-860. Computer programs containing edit checks are run to identify errors. Respondents are contacted to obtain correction or clarification of reported data and to obtain missing data, as a result of the editing process.

Sensitive Data (Formerly identified as Data Confidentiality). Tested heat rate data collected on Form EIA-860 are considered sensitive and must adhere to EIA's “Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA”. Plant latitude and longitude data provided prior to 2007 are considered sensitive (45Federal Register 59812 (1980)).

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 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 expected effective date for all new units or uprates to nuclear units. For all other types of capacity changes (including uprates to non-nuclear generation), respondents are added one month prior to the anticipated on-line 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 on the frame. Typically from about 75 to 110 respondents per month are required to report for 90 to 130 plants (including 200 to 300 units) on this form. The unit characteristics of interest are changes to the previously reported on-line 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.

Approximate 75-110 respondents are requested to provide data each month on the EIA-860M. This data is 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 (Formerly identified as Data Confidentiality). 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 production and sales data from approximately 3,300 respondents. These include electric utilities, other electricity distributors, and power marketers. The data collected are used to maintain and update the EIA's electric power industry participant frame database. These include electric utilities, other electricity distributors, 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 Forms 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 retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector. A ratio estimation procedure is used for estimation of retail price of electricity at the State level.

The electric revenue used to calculate the average retail price of electricity 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 taxes other than income taxes paid by the utility.

The average retail price of electricity 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 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 (Formerly identified as Data Confidentiality). 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 1,600 plants, which includes a census of nuclear and pumped storage hydroelectric plants. In addition approximately 3,700 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-423 were superseded by Form EIA-923 (Schedule 2) in January of 2008. The EIA-923 maintains the 50 megawatt threshold for these data. However, not all data are collected monthly on the new form. Beginning with 2008 data, a sample of the

respondents will report monthly, with the remainder reporting annually (monthly values will be imputed via regression). For 2007, Schedule 2 annual data will not be collected or imputed. Most of the plants required to report on Schedule 2 already submitted their 2007 receipts data on a monthly basis.

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 entities¹⁰. 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 data¹¹. 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 were performed as the data were 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 were manually entered into the computerized database. The data were subjected to the same edits as those that were electronically submitted.

If the reported data appeared to be in error and the data issue could not be resolved by follow up contact with the respondent, or if a facility was a nonrespondent, a regression methodology was used to impute for the facility.

Imputation. Regression prediction, or imputation, is done for all missing data including non-sampled units and any nonrespondents. Imputation is done for gross generation,

total fuel consumption, receipts of fossil fuels, cost of fossil fuel shipments, and stocks. Multiple regression is used for gross generation and total fuel consumption. For gross generation, the regressors are prior year average generation for the same fuel, prior year average generation from other fuels, and nameplate capacity. Regressors for total fuel consumption are prior year average fuel consumption from the same fuel, prior year average consumption from other fuels, and nameplate capacity. Average consumption from the previous year for the same fuel is used as the lone regressor for receipts of fossil fuels and for the cost of fossil fuel shipments. For stocks, a linear combination of the prior month's ending stocks value, and the current month's consumption and receipts values.

Several additional fields are estimated by means other than regression. These include net generation and fuel quality information such as sulfur and Btu (British thermal unit) content. Net generation is computed by a fixed ratio to gross generation by prime-mover type. For fuel quality variables, the observed state average is used for all missing records. In the event that no value is available at the state level, the national average is used. Should the national average also be unavailable, the midpoint of the acceptable range of valuesⁱⁱⁱ is 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 whose total fossil-fueled nameplate capacity is 50 megawatts or more (excluding storage terminals, which do not produce electricity). The data on cost and quality of fuel shipments are then used in the following formulas to produce aggregates and averages for each fuel type at the State, Census Division, and U.S. level. For these formulas, receipts and average heat content are at the plant level. For each geographic region, the summation sign, \sum , represents the sum of all facilities in that geographic region.

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.

ⁱⁱⁱ The ranges used are the same as are used for range checks during data collection.

For each of the above fossil fuels:

$$\text{Total Btu} = \sum_i (R_i \times A_i),$$

where i denotes a facility; R_i = receipts for facility i ;

A_i = average heat content for receipts at facility i ;

$$\text{Weighted Average Btu} = \frac{\sum_i (R_i \times A_i)}{\sum_i R_i},$$

where i denotes a facility; R_i = receipts for facility i ; and, A_i = average heat content for receipts at facility i .

The weighted average cost in cents per million Btu is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{\sum_i (R_i \times A_i)},$$

where i denotes a facility; R_i = receipts for facility i ;

A_i average heat content for receipts at facility i ;

and C_i = cost in cents per million Btu for facility i .

The weighted average cost in dollars per unit (i.e., tons, barrels, or Mcf) is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{10^2 \sum_i R_i},$$

where i denotes a facility; R_i = receipts for facility i ;

A_i = average heat content for receipts at facility i ;

and, C_i = cost in cents per million Btu for facility i .

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 EIA-906 and EIA-920 forms for the collection of these data.

Methodology to Estimate Biogenic and Non-biogenic Municipal Solid Waste. 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:

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 Environmental Protection Agency publication, *Municipal Solid Waste in the United States: 2005 Facts and Figures*. The Btu contents of the components of MSW were obtained from various sources^{1,4,22,24}.

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 to non-biogenic components (see Table 1 and 2, below)^v.

These values are used to allocate the net and gross generation published in the *Electric Power Monthly* and *Electric Power Annual* 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

^{iv} 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 1. Btu Consumption for Biogenic and Non-biogenic Municipal Solid Waste (percent)

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--------------|------|------|------|------|------|------|
| Biogenic | 57 | 56 | 55 | 55 | 56 | 56 |
| Non-biogenic | 43 | 44 | 45 | 45 | 44 | 44 |

Table 2. Tonnage Consumption for Biogenic and Non-biogenic Municipal Solid Waste (percent)

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--------------|------|------|------|------|------|------|
| Biogenic | 77 | 77 | 76 | 76 | 75 | 75 |
| Non-biogenic | 23 | 23 | 24 | 24 | 25 | 25 |

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^v. 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 kilowatt-hour.

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). Coke from petroleum has a heating value of 6.024 million Btus per barrel.

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

^v See the section “Issues within Historical Data Series” for information on the handling of CHP plants prior to 2008.

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.

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 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.

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 (Formerly identified as Data Confidentiality). 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)).

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 follow 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.17 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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Table C1. Average Heat Content of Fossil-Fuel Receipts, November 2008

| Census Division and State | Coal (Million Btu per Ton) ¹ | Petroleum Liquids (Million Btu per Barrel) ² | Petroleum Coke (Million Btu per Ton) | Natural Gas (Million Btu per Thousand Cubic Feet) ³ |
|------------------------------------|--|--|---|--|
| New England | 23.21 | 6.23 | -- | 1.03 |
| Connecticut | 20.16 | 5.89 | -- | 1.02 |
| Maine..... | 26.19 | 6.32 | -- | 1.05 |
| Massachusetts..... | 23.30 | 6.16 | -- | 1.03 |
| New Hampshire..... | 25.86 | 5.81 | -- | 1.04 |
| Rhode Island..... | -- | 5.82 | -- | 1.02 |
| Vermont..... | -- | -- | -- | 1.01 |
| Middle Atlantic | 22.01 | 5.93 | 28.46 | 1.02 |
| New Jersey..... | 23.95 | 5.48 | -- | 1.03 |
| New York..... | 22.53 | 5.95 | 28.50 | 1.02 |
| Pennsylvania..... | 21.74 | 6.35 | 28.43 | 1.03 |
| East North Central | 19.87 | 5.82 | 28.18 | 1.02 |
| Illinois..... | 17.76 | 5.77 | -- | 1.01 |
| Indiana..... | 20.67 | 5.84 | -- | 1.01 |
| Michigan..... | 19.42 | 5.90 | 27.87 | 1.01 |
| Ohio..... | 22.68 | 5.82 | 28.17 | 1.04 |
| Wisconsin..... | 17.90 | 5.80 | 28.25 | 1.02 |
| West North Central | 16.67 | 5.80 | 27.97 | 1.01 |
| Iowa..... | 17.30 | 5.76 | 26.55 | 1.01 |
| Kansas..... | 17.12 | 5.78 | 29.14 | 1.01 |
| Minnesota..... | 17.64 | 5.94 | 27.46 | 1.01 |
| Missouri..... | 17.51 | 5.67 | -- | 1.02 |
| Nebraska..... | 17.05 | 5.76 | -- | 1.00 |
| North Dakota..... | 13.13 | 5.90 | -- | 1.03 |
| South Dakota..... | 16.79 | 5.78 | -- | 1.01 |
| South Atlantic | 23.79 | 6.05 | 28.43 | 1.03 |
| Delaware..... | 25.16 | 6.14 | -- | 1.03 |
| District of Columbia..... | -- | -- | -- | -- |
| Florida..... | 23.86 | 5.85 | 28.50 | 1.03 |
| Georgia..... | 22.14 | 6.09 | 27.91 | 1.04 |
| Maryland..... | 24.52 | 6.05 | -- | 1.04 |
| North Carolina..... | 24.40 | 5.95 | -- | 1.04 |
| South Carolina..... | 24.82 | 6.06 | -- | 1.03 |
| Virginia..... | 25.26 | 6.38 | -- | 1.05 |
| West Virginia..... | 23.84 | 5.74 | -- | 1.01 |
| East South Central | 22.08 | 5.70 | 27.97 | 1.03 |
| Alabama..... | 21.17 | 5.72 | -- | 1.03 |
| Kentucky..... | 22.93 | 5.81 | 27.97 | 1.03 |
| Mississippi..... | 19.28 | 6.19 | -- | 1.02 |
| Tennessee..... | 22.41 | 5.67 | -- | 1.03 |
| West South Central | 15.93 | 6.20 | 29.05 | 1.03 |
| Arkansas..... | 17.33 | 6.35 | -- | 1.02 |
| Louisiana..... | 16.21 | 6.38 | 29.05 | 1.04 |
| Oklahoma..... | 17.40 | 6.20 | -- | 1.03 |
| Texas..... | 15.28 | 5.80 | -- | 1.02 |
| Mountain | 18.88 | 5.80 | 29.20 | 1.03 |
| Arizona..... | 19.43 | 5.82 | -- | 1.03 |
| Colorado..... | 19.42 | 5.69 | -- | 1.03 |
| Idaho..... | -- | -- | -- | 1.02 |
| Montana..... | 16.68 | 5.92 | 29.20 | 1.03 |
| Nevada..... | 19.80 | 5.85 | -- | 1.03 |
| New Mexico..... | 18.13 | 5.66 | -- | 1.03 |
| Utah..... | 21.62 | 5.88 | -- | 1.04 |
| Wyoming..... | 17.37 | 5.82 | -- | .99 |
| Pacific Contiguous | 17.69 | 5.80 | 28.31 | 1.02 |
| California..... | 22.98 | 5.62 | 28.31 | 1.03 |
| Oregon..... | 16.70 | 5.78 | -- | 1.02 |
| Washington..... | 16.79 | 5.83 | -- | 1.03 |
| Pacific Noncontiguous | -- | 5.99 | -- | 1.01 |
| Alaska..... | -- | 5.16 | -- | 1.01 |
| Hawaii..... | -- | 6.05 | -- | -- |
| U.S. Total | 19.76 | 6.00 | 28.43 | 1.03 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal and coal synfuel.

² Includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Natural gas includes a small amount of supplemental gaseous fuels.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2008 are preliminary. • Data represent weighted values.

Sources: Energy Information Administration, Form EIA-423 "Monthly Report of Cost and Quality of Fuels for Electric Plants;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" 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 C2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2005 Through 2007

| Item | Mean Absolute Value of Change (Percent) | | |
|--|---|-------------|-------------|
| | Total (All Sectors) | | |
| | 2005 | 2006 | 2007 |
| Net Generation | | | |
| Coal ¹ | .09 | .17 | .20 |
| Petroleum Liquids ² | .60 | 2.78 | 1.29 |
| Petroleum Coke..... | 4.36 | 1.02 | 3.16 |
| Natural Gas ³ | 1.38 | 1.29 | .69 |
| Other Gases..... | 13.52 | 11.24 | 12.61 |
| Hydroelectric ⁴ | 2.02 | 1.51 | .46 |
| Nuclear..... | .20 | -- | .01 |
| Other ⁵ | 4.59 | 1.03 | 2.25 |
| Total..... | .42 | .29 | .17 |
| Consumption of Fossil Fuels for Electric Generation | | | |
| Coal ¹ | .93 | .48 | .62 |
| Petroleum Liquids ² | 4.54 | 2.73 | 5.15 |
| Petroleum Coke..... | 3.18 | 3.56 | 2.96 |
| Natural Gas ³ | 7.03 | 6.18 | 5.80 |
| Fuel Stocks⁶ | | | |
| Coal ¹ | .16 | .65 | .85 |
| Petroleum Liquids ² | -- | -- | -- |
| Petroleum Coke..... | -- | -- | -- |
| Retail Sales | | | |
| Residential..... | 5.50 | 2.39 | .50 |
| Commercial ⁷ | 9.18 | 3.76 | 3.16 |
| Industrial ⁷ | 2.86 | 11.47 | 19.96 |
| Transportation ⁷ | 111.01 | 107.71 | 12.40 |
| Total..... | 2.50 | 1.99 | 4.35 |
| Revenue | | | |
| Residential ⁷ | 3.87 | 2.32 | 2.60 |
| Commercial ⁷ | 2.44 | 11.93 | 8.01 |
| Industrial..... | 33.15 | 25.53 | 32.57 |
| Transportation ⁷ | 58.37 | 49.90 | 43.53 |
| Total..... | 6.19 | 8.31 | 3.95 |
| Average Retail Price | | | |
| Residential..... | 2.43 | 1.78 | 2.66 |
| Commercial ⁷ | 6.60 | 12.85 | 5.14 |
| Industrial ⁷ | 35.80 | 14.07 | 12.45 |
| Transportation ⁷ | 186.74 | 63.70 | 46.57 |
| Total..... | 6.12 | 6.90 | 1.23 |
| Receipts of Fossil Fuels | | | |
| Coal ¹ | .07 | .31 | .22 |
| Petroleum Liquids ² | .31 | .39 | 1.70 |
| Petroleum Coke..... | .36 | .22 | .44 |
| Natural Gas ³ | .38 | .09 | .13 |
| Cost of Fossil Fuels⁸ | | | |
| Coal ¹ | .06 | .02 | .04 |
| Petroleum Liquids ² | .13 | .14 | .36 |
| Petroleum Coke..... | .37 | .29 | .23 |
| Natural Gas ³ | .04 | .03 | .02 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil. In 2004 petroleum stocks exclude waste oil.

³ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

⁴ Includes conventional hydroelectric and hydroelectric pumped storage facilities.

⁵ Includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

⁶ Stocks are end-of-month values.

⁷ See technical notes (<http://www.eia.doe.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

⁸ Data represent weighted values.

Notes: • Change refers to the difference between estimates or preliminary monthly data published in the Electric Power Monthly (EPM) and the final monthly data published in the EPM. • Values for 2007 are final.

Sources: • Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-906, "Power Plant Report;" Energy Information Administration, 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 C3. Comparison of Annual Monthly Estimates Versus Annual Data at the U.S. Level, All Sectors 2005 Through 2007

| Item | 2005 | | | 2006 | | | 2007 | | |
|---|--------------------------|------------------|------------------|--------------------------|------------------|------------------|--------------------------|------------------|------------------|
| | Annual Monthly Estimates | Annual Final | Change (percent) | Annual Monthly Estimates | Annual Final | Change (percent) | Annual Monthly Estimates | Annual Final | Change (Percent) |
| Net Generation (thousand megawatthours) | | | | | | | | | |
| Coal ¹ | 2,014,173 | 2,012,873 | -1 | 1,987,224 | 1,990,511 | .2 | 2,020,572 | 2,016,456 | -2 |
| Petroleum Liquids ² | 100,282 | 99,840 | -4 | 43,343 | 44,460 | 2.6 | 49,956 | 49,505 | -9 |
| Petroleum Coke..... | 21,628 | 22,385 | 3.5 | 19,861 | 19,706 | -8 | 15,752 | 16,234 | 3.1 |
| Natural Gas ³ | 751,549 | 760,960 | 1.3 | 807,597 | 816,441 | 1.1 | 893,211 | 896,590 | .4 |
| Other Gases..... | 15,644 | 13,464 | -13.9 | 15,970 | 14,177 | -11.2 | 15,414 | 13,453 | -12.7 |
| Hydroelectric ⁴ | 258,510 | 263,763 | 2.0 | 281,397 | 282,689 | .5 | 241,319 | 240,614 | -.3 |
| Nuclear..... | 780,465 | 781,986 | .2 | 787,219 | 787,219 | -- | 806,487 | 806,425 | * |
| Other ⁵ | 95,739 | 100,150 | 4.6 | 110,358 | 109,500 | -8 | 116,803 | 117,469 | .6 |
| Total..... | 4,037,989 | 4,055,423 | .4 | 4,052,968 | 4,064,702 | .3 | 4,159,514 | 4,156,745 | -.1 |
| Consumption of Fossil Fuels for Electric Generation | | | | | | | | | |
| Coal (1,000 tons) ¹ | 1,051,177 | 1,041,448 | -9 | 1,035,469 | 1,030,556 | -5 | 1,053,346 | 1,046,795 | -6 |
| Petroleum Liquids (1,000 barrels) ² | 172,407 | 165,137 | -4.2 | 75,634 | 73,821 | -2.4 | 87,005 | 82,433 | -5.3 |
| Petroleum Coke (1,000 tons)..... | 8,510 | 8,330 | -2.1 | 7,634 | 7,363 | -3.6 | 6,222 | 6,036 | -3.0 |
| Natural Gas (1,000 Mcf) ³ | 6,465,972 | 6,036,370 | -6.6 | 6,878,086 | 6,461,615 | -6.1 | 7,507,446 | 7,089,342 | -5.6 |
| Fuel Stocks for Electric Power Sector⁶ | | | | | | | | | |
| Coal (1,000 tons) ¹ | 101,237 | 101,137 | -1 | 139,679 | 140,964 | .9 | 151,127 | 151,221 | .1 |
| Petroleum Liquids (1,000 barrels) ² | 48,274 | 47,414 | -1.8 | 49,189 | 48,216 | -2.0 | 42,984 | 44,433 | 3.4 |
| Petroleum Coke (1,000 tons)..... | 531 | 530 | -.3 | 704 | 674 | -4.3 | 550 | 554 | .7 |
| Retail Sales (Million kWh) | | | | | | | | | |
| Residential..... | 1,364,788 | 1,359,227 | -.4 | 1,354,232 | 1,351,520 | -.2 | 1,391,911 | 1,391,807 | * |
| Commercial ⁷ | 1,265,155 | 1,275,079 | .8 | 1,300,851 | 1,299,744 | -.1 | 1,342,673 | 1,339,596 | -.2 |
| Industrial ⁷ | 1,021,313 | 1,019,156 | -.2 | 1,001,929 | 1,011,298 | .9 | 1,005,828 | 1,022,567 | 1.7 |
| Transportation ⁷ | 8,271 | 7,506 | -9.3 | 8,086 | 7,358 | -9.0 | 7,738 | 7,724 | -.2 |
| Total..... | 3,659,527 | 3,660,969 | * | 3,665,099 | 3,669,919 | .1 | 3,748,149 | 3,761,695 | .4 |
| Retail Revenue (Million Dollars) | | | | | | | | | |
| Residential..... | 128,666 | 128,393 | -.2 | 140,838 | 140,582 | -.2 | 148,027 | 148,299 | .2 |
| Commercial ⁷ | 110,287 | 110,522 | .2 | 121,728 | 122,914 | 1.0 | 129,765 | 128,899 | -.7 |
| Industrial ⁷ | 56,867 | 58,445 | 2.8 | 61,010 | 62,308 | 2.1 | 63,972 | 65,712 | 2.7 |
| Transportation ⁷ | 613 | 643 | 4.9 | 732 | 702 | -4.1 | 805 | 793 | -1.5 |
| Total..... | 296,434 | 298,003 | .5 | 324,308 | 326,506 | .7 | 342,569 | 343,703 | .3 |
| Average Retail Price (Cents/kWh) | | | | | | | | | |
| Residential..... | 9.43 | 9.45 | .2 | 10.40 | 10.40 | -- | 10.64 | 10.66 | .2 |
| Commercial ⁷ | 8.72 | 8.67 | -.6 | 9.36 | 9.46 | 1.1 | 9.67 | 9.62 | -.5 |
| Industrial ⁷ | 5.57 | 5.73 | 2.9 | 6.09 | 6.16 | 1.2 | 6.36 | 6.43 | 1.1 |
| Transportation ⁷ | 7.42 | 8.57 | 15.5 | 9.06 | 9.54 | 5.3 | 10.40 | 10.26 | -1.4 |
| Total..... | 8.10 | 8.14 | .5 | 8.85 | 8.90 | .6 | 9.14 | 9.14 | -- |
| Receipts of Fossil Fuels | | | | | | | | | |
| Coal (1,000 tons) ¹ | 1,026,185 | 1,021,437 | -5 | 1,052,605 | 1,079,943 | 2.6 | 1,072,997 | 1,054,664 | -1.7 |
| Petroleum Liquids (1,000 barrels) ² | 154,902 | 157,221 | 1.5 | 65,771 | 65,002 | -1.2 | 69,524 | 60,068 | -13.6 |
| Petroleum Coke (1,000 tons)..... | 7,519 | 7,502 | -.2 | 7,256 | 7,193 | -.9 | 5,784 | 5,656 | -2.2 |
| Natural Gas (1,000 Mcf) ³ | 5,984,524 | 6,181,717 | 3.3 | 6,691,179 | 6,675,246 | -.2 | 7,291,211 | 7,200,316 | -1.3 |
| Cost of Fossil Fuels (Dollars per million Btu)⁸ | | | | | | | | | |
| Coal ¹ | 1.54 | 1.54 | -- | 1.69 | 1.69 | -- | 1.78 | 1.77 | -.6 |
| Petroleum Liquids ² | 7.65 | 7.59 | -.8 | 8.72 | 8.68 | -.5 | 9.62 | 9.59 | -.3 |
| Petroleum Coke..... | 1.12 | 1.11 | -.9 | 1.30 | 1.33 | 2.3 | 1.54 | 1.51 | -2.0 |
| Natural Gas ³ | 8.20 | 8.21 | .1 | 6.92 | 6.94 | .3 | 7.10 | 7.11 | .1 |

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil. In 2004 petroleum stocks exclude waste oil.

³ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

⁴ Includes conventional hydroelectric and hydroelectric pumped storage facilities.

⁵ Includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

⁶ Stocks are end-of-month values.

⁷ See technical notes (<http://www.eia.doe.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

⁸ Data represent weighted values.

* = Value is less than 0.05.

Notes: • The average revenue per kilowatthour is calculated by dividing revenue by sales. • Mean absolute value of change is the unweighted average of the absolute changes. • Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Report;" Form EIA-867, "Annual Nonutility Power Producer Report;" Form EIA-759, "Monthly Power Plant Report;" Form EIA-861, "Annual Electric Utility Report;" and Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table C4. 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: Energy Information Administration.

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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 Retail Price of Electricity (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 retail 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 a retail or end-use customer.

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: Retail sales services for which the company provided only the energy consumed, where another entity provides delivery services.

Fossil Fuel: An energy source formed in the earth's 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

electd or appointed board; primarily involved in the distribution and/or sale of retail electric power.

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 through 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.