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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.

The new format shown in this publication was implemented in order to provide users of electric power data with more information. For example, petroleum was

separated into petroleum liquids and petroleum coke, and hydroelectric generation was categorized into conventional hydroelectric and hydroelectric pumped storage. Information on consumption was expanded to include not only consumption for electric generation, but also consumption for useful thermal output and total consumption. Tables were added to show historical electric generation by other renewable energy sources, plants that were sold or transferred, and receipts in British thermal units as well as by physical units. In addition, columns were added to existing receipt and cost tables displaying the percent of consumption of fuel and plant count by fuel type.

Data Sources

The *EPM* contains information from the following data sources: Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-860, "Annual Electric Generator Report;" Form EIA-861, "Annual Electric Power Industry Report;" Form EIA-906, "Power Plant Data Report;" Form EIA-920, "Combined Heat and Power Report;" and Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." Forms and their instructions may be obtained from the internet site:

<http://www.eia.doe.gov/cneaf/electricity/page/forms.html>
(The FERC Form 423 and instructions are available at <http://ferc.gov/docs-filing/eforms-elec.asp#423>). A detailed description of these forms and associated algorithms are found in Appendix C, "Technical Notes."

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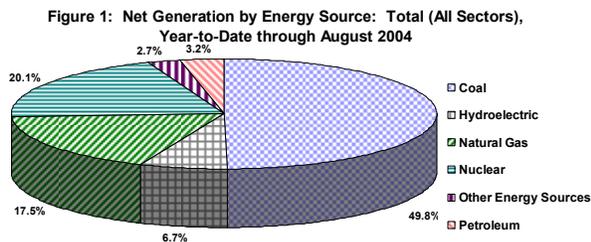
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Executive Summary

Generation and Consumption of Fuels for Electricity Generation, August 2004

Generation: Total net generation of electric power in August 2004 was 366.3 terawatt-hours, a decrease from the 377.9 terawatt-hours generated in August 2003. Generation from coal-fired plants was 3.7 percent lower than in August 2003 and generation from natural gas-fired plants was 6.1 percent lower. Conventional hydroelectric generation declined by 5.2 percent (indicative of unusually low water conditions in the western United States). Generation from wind plants was 27.9 percent higher. Generation from plants fired by “other gases” was up 58.2 percent and solar generation increased 17.4 percent from August 2003. Generation from nuclear sources was up by 3.0 percent, and generation from petroleum coke increased by 5.3 percent.

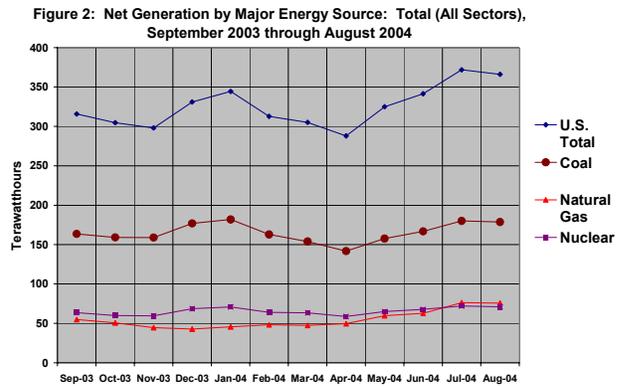


Year-to-date total net generation (January through August 2004 compared to January through August 2003) increased 56.6 terawatt-hours or 2.2 percent. The largest increase was at natural gas-fired plants, where generation increased 6.5 percent, from 436.4 to 464.8 terawatt-hours. At nuclear power plants, generation increased 4.0 percent, from 511.9 to 532.6 terawatt-hours. Coal-fired generation increased 0.9 percent, from 1,311.7 to 1,323.6 terawatt-hours. Generation at conventional hydroelectric power plants decreased 6.2 percent, from 194.6 to 182.6 terawatt-hours.

Year-to-date through August 2004, 49.9 percent of the Nation’s electric power was generated at coal-fired plants (Figure 1). Nuclear plants contributed 20.1 percent, 17.5 percent was generated by natural gas-fired plants, and 3.2 percent was generated at petroleum-fired plants. Hydroelectric power was 6.7 percent of the total, while other renewables (primarily wind, but also geothermal, solar, and biomass) and other miscellaneous energy sources generated the remaining electric power. Figure 2 shows net generation by energy source, through August 2004.

Consumption of Fuels: Consumption of coal for electric power generation decreased by 2.2 percent from August 2003 to August 2004 while similar consumption of petroleum liquids decreased by 15.4 percent.

Natural gas consumption decreased by 6.8 percent and petroleum coke consumption increased by 12.2 percent.



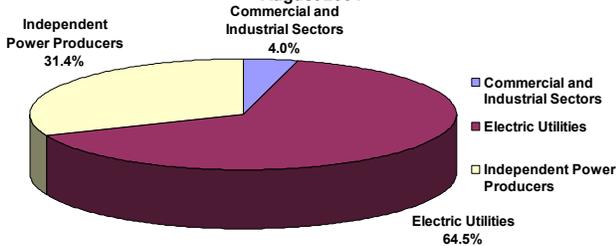
Year-to-date, consumption of coal for electric power generation increased by 1.5 percent. Natural gas consumption increased by 5.0 percent. The greater increase in generation at natural gas-fired plants (6.5 percent increase in generation) indicates usage of newer, more efficient gas-fired generation. Liquid petroleum consumption decreased by 4.3 percent while consumption of petroleum coke increased 23.6 percent.

Industry Distribution of Generation and Consumption of Fuels:

During August 2004, 61.9 percent of electric power generation was produced at utility power plants, 34.3 percent by independent power producers, and the remainder at industrial and commercial combined heat and power plants. Utility-operated power plants consumed 74.7 percent of the coal for electric power generation, compared to 23.8 percent by independent power producers. Also, utilities consumed 64.6 percent of the petroleum liquids, compared to 30.9 percent by independent power producers. While utilities accounted for the largest share of coal and petroleum liquids consumption, the reverse was true for natural gas, with independent power producers consuming 57.9 percent of the gas compared to 31.0 percent by utilities. The balance of coal, petroleum liquids and gas consumption is attributable to industrial and commercial plants.

For the period of January through August 2004, utility power plants produced 64.5 percent of the electric power in the nation, while independent power producers (IPP) contributed 31.4 percent. The remaining 4.0 percent was generated primarily by industrial combined heat and power plants. Year-to-date, utility operated plants consumed 76.8 percent of the coal, 32.0 percent of the natural gas, and 58.4 percent of liquid petroleum used to generate electric power. IPPs consumed 21.9 percent of the coal, 55.5 percent of the natural gas, and 37.0 percent of the liquid petroleum for electric power generation. Industrial CHP plants consumed the balance of fossil fuels for electric power generation.

Figure 3: Net Generation by Sector, Year-to-Date through August 2004



Fuel Costs and Receipts, July 2004

The average price paid for natural gas by electricity generators in July was \$6.07 per MMBtu (Table ES2.B.). This was 4.7 percent lower than the June price of \$6.37 per MMBtu, and 13.7 percent higher than the July 2003 price of \$5.34 per MMBtu. The average price paid for petroleum liquids was \$4.94 per MMBtu in July, a 3.3 percent decrease when compared with the \$5.11 per MMBtu price in June and 2.7 percent more than in July 2003. The average price of coal to electricity generators in July was \$1.35 per MMBtu, up 0.7 percent from June 2004 and up 6.3 percent from July 2003.

Year-to-date, the average price paid for natural gas by electricity generators in July 2004 was \$5.93 per MMBtu, an increase of 3.5 percent from the same period in 2003. Year-to-date petroleum liquid prices were \$4.88 per MMBtu, down 4.9 percent and coal prices were \$1.32 per MMBtu, up 3.1 percent from the same period in 2003.

Retail Sales, Revenue, and Average Retail Price, August 2004

Retail Sales, Revenue and Average Retail Price, August 2004 EIA is publishing preliminary Sales and Revenue data for the Transportation Sector for August 2004 and the year-to-date 2004. These data are primarily electricity delivered to and consumed by local, regional and metropolitan mass transportation systems. Anomalies within the data exist in this sector and are being addressed, footnotes have been added where appropriate, and we have included explanatory comments on the Transportation data in the Technical Notes. It should be noted that the increases in both monthly and year-to-date commercial sales and revenues over last

year are attributed in part to the reclassification of "Other" that is not classified as "Transportation."

Sales: August 2004 retail electricity sales were 3.3 percent lower than those for August 2003. Residential sales decreased 5.4 percent reflecting a relatively mild summer. The commercial sector sales increased for the eighth consecutive month over last year as an indication of the reclassification of "Other" explained above. The Transportation Sector accounts for 0.2 percent of the total national Sales of Electricity in August 2004. Year-to-date electricity sales are now running 1.4 percent higher than the same period in 2003.

Revenue: Electricity revenues reflected an overall decrease of 0.5 percent attributable to a residential sector decrease of 2.5 percent in August 2004 over August 2003. The August 2004 industrial sector revenues were 5.0 percent over August 2003 and commercial revenues were 6.7 percent higher than the revenue for August 2003. August 2004 year-to-date revenues increased 3.1 percent over the year-to-date revenues for the same reporting period last year.

Prices: The overall price of retail electricity in August 2004 showed an increase of 2.9 percent over August 2003. This increase in price is due primarily to a 4.0 percent increase in the industrial sector. The average retail price for the transportation sector was 6.63 cents per kilowatt-hour. Year-to-date electricity prices are 1.7 percent higher than for the same reporting period last year, reflecting increases in both the industrial and residential sectors (Figure 4).

Figure 4: Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Year-to-Date through August 2004 and 2003

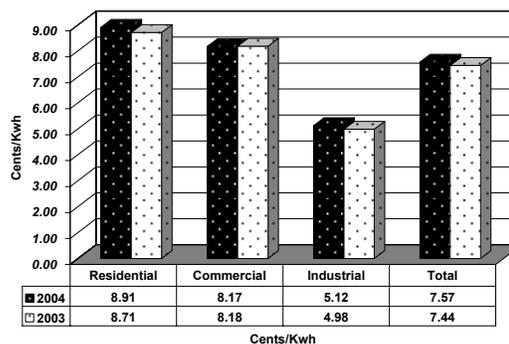


Table ES1.A. Total Electric Power Industry Summary Statistics, 2004 and 2003

| August | | | | | | | | | | | |
|---|---------------------|------------------|-------------|------------------------------------|----------------|-----------------------------|----------------|-------------------------|------------|-------------------------|---------------|
| Net Generation and Consumption of Fuels | | | | | | | | | | | |
| Items | Total (All Sectors) | | | Electric Power Sector ¹ | | | | Commercial ² | | Industrial ³ | |
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | % Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| Net Generation (Million kWh) | | | | | | | | | | | |
| Coal ⁴ | 178,763 | 185,595 | -3.7 | 136,296 | 144,742 | 40,519 | 38,858 | 108 | 103 | 1,840 | 1,892 |
| Petroleum Liquids ⁵ | 9,102 | 10,742 | -15.3 | 6,027 | 6,679 | 2,774 | 3,752 | 32 | 43 | 268 | 268 |
| Petroleum Coke..... | 1,689 | 1,603 | 5.3 | 786 | 681 | 781 | 783 | -- | 1 | 121 | 139 |
| Natural Gas ⁶ | 75,707 | 80,665 | -6.1 | 21,653 | 26,020 | 46,724 | 47,471 | 376 | 427 | 6,954 | 6,748 |
| Other Gases ⁷ | 1,295 | 818 ⁸ | 58.2 | 1 | * | 260 | 89 | -- | * | 1,034 | 729 |
| Nuclear..... | 71,064 | 69,024 | 3.0 | 42,797 | 43,465 | 28,267 | 25,559 | -- | -- | -- | -- |
| Hydroelectric Conventional..... | 21,638 | 22,837 | -5.2 | 19,478 | 20,661 | 1,796 | 1,670 | 4 | 9 | 360 | 497 |
| Other Renewables..... | 7,507 | 6,910 | 8.6 | 292 | 206 | 4,589 | 4,272 | 158 | 162 | 2,468 | 2,270 |
| Wood ⁹ | 3,207 | 3,009 | 6.6 | 63 | 58 | 788 | 777 | 1 | 1 | 2,355 | 2,173 |
| Waste ¹⁰ | 2,011 | 1,965 | 2.3 | 101 | 111 | 1,639 | 1,595 | 157 | 161 | 113 | 97 |
| Geothermal..... | 1,219 | 1,096 | 11.3 | 105 | 16 | 1,114 | 1,079 | -- | -- | -- | -- |
| Solar..... | 73 | 62 | 17.4 | * | * | 73 | 62 | -- | -- | -- | -- |
| Wind..... | 997 | 779 | 27.9 | 22 | 20 | 975 | 759 | -- | -- | -- | -- |
| Hydroelectric Pumped Storage..... | -805 | -818 | 1.6 | -719 | -716 | -86 | -102 | -- | -- | -- | -- |
| Other Energy Sources ¹¹ | 311 | 552 | -43.7 | -- | -- | 25 | 131 | * | * | 285 | 421 |
| All Energy Sources..... | 366,270 | 377,929 | -3.1 | 226,611 | 241,738 | 125,650 | 122,483 | 678 | 745 | 13,331 | 12,963 |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | | | |
| Coal (1000 tons) ⁴ | 93,432 | 95,573 | -2.2 | 69,808 | 73,880 | 22,221 | 20,606 | 56 | 51 | 1,347 | 1,036 |
| Petroleum Liquids (1000 bbls) ⁵ | 15,725 | 18,588 | -15.4 | 10,155 | 11,263 | 4,855 | 6,663 | 79 | 99 | 636 | 563 |
| Petroleum Coke (1000 tons)..... | 686 | 611 | 12.2 | 288 | 248 | 327 | 305 | -- | * | 70 | 58 |
| Natural Gas (1000 Mcf) ⁶ | 649,504 | 696,521 | -6.8 | 201,025 | 250,461 | 375,970 | 383,600 | 3,866 | 3,548 | 68,643 | 58,912 |
| Consumption of Fossil Fuels for Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ⁴ | 1,260 | 1,617 | -22.1 | -- | -- | 145 | 163 | 72 | 93 | 1,043 | 1,361 |
| Petroleum Liquids (1000 bbls) ⁵ | 707 | 1,161 | -39.1 | -- | -- | 8 | 75 | 25 | 51 | 673 | 1,035 |
| Petroleum Coke (1000 tons)..... | 19 | 73 | -74.3 | -- | -- | * | 22 | * | 1 | 18 | 51 |
| Natural Gas (1000 Mcf) ⁶ | 53,275 | 69,098 | -22.9 | -- | -- | 11,963 | 20,025 | 3,144 | 4,106 | 38,167 | 44,967 |
| Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ⁴ | 94,692 | 97,190 | -2.6 | 69,808 | 73,880 | 22,366 | 20,769 | 128 | 144 | 2,390 | 2,397 |
| Petroleum Liquids (1000 bbls) ⁵ | 16,431 | 19,749 | -16.8 | 10,155 | 11,263 | 4,863 | 6,738 | 105 | 150 | 1,309 | 1,599 |
| Petroleum Coke (1000 tons)..... | 704 | 684 | 2.9 | 288 | 248 | 328 | 327 | * | 1 | 89 | 109 |
| Natural Gas (1000 Mcf) ⁶ | 702,779 | 765,619 | -8.2 | 201,025 | 250,461 | 387,933 | 403,626 | 7,011 | 7,654 | 106,811 | 103,878 |
| Fuel Stocks (end-of-month) | | | | | | | | | | | |
| Coal (1000 tons) ¹² | 110,575 | 126,733 | -12.7 | 88,790 | 101,549 | 20,116 | 24,175 | 219 | 122 | 1,450 | 886 |
| Petroleum Liquids (1000 bbls) ⁵ | 47,669 | 41,597 | 14.6 | 27,580 | 26,781 | 18,340 | 13,748 | 217 | 179 | 1,533 | 888 |
| Petroleum Coke (1000 tons)..... | 1,210 | 1,643 | -26.3 | 628 | 362 | 500 | 1,276 | * | -- | 82 | 5 |

Retail Sales, Retail Revenue and Average Retail Price per Kilowatthour

| Items | Total U.S. Electric Power Industry | | | | | | | | |
|------------------------------------|--|----------|----------|----------------------------------|----------|----------|----------------------------------|----------|----------|
| | Retail Sales (Million kWh) ¹³ | | | Retail Revenue (Million Dollars) | | | Average Retail Price (Cents/kWh) | | |
| | Aug 2004 | Aug 2003 | % Change | Aug 2004 | Aug 2003 | % Change | Aug 2004 | Aug 2003 | % Change |
| Residential..... | 126,724 | 133,889 | -5.4 | 12,000 | 12,305 | -2.5 | 9.47 | 9.19 | 3.0 |
| Commercial..... | 113,211 | 108,218 | 4.6 | 9,847 | 9,227 | 6.7 | 8.70 | 8.53 | 2.0 |
| Industrial..... | 89,701 | 88,825 | 1.0 | 4,919 | 4,684 | 5.0 | 5.48 | 5.27 | 4.0 |
| Transportation ¹⁴ | 657 | -- | -- | 44 | -- | -- | 6.63 | -- | -- |
| Other..... | -- | 10,550 | -- | -- | 732 | -- | -- | 6.94 | -- |
| All Sectors..... | 330,293 | 341,481 | -3.3 | 26,810 | 26,948 | -5 | 8.12 | 7.89 | 2.9 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants with NAICS code 22 whose primary business is to sell electricity.
² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.
³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.
⁴ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.
⁵ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
⁶ Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.
⁷ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.
⁸ Published value does not reflect additional data received subsequent to first publication. Updated data for 2003 is expected to be available and published by December 2004.
⁹ Wood, black liquor, and other wood waste.
¹⁰ Municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, and other biomass.
¹¹ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
¹² Anthracite, bituminous coal, subbituminous coal, and lignite; excludes waste coal.
¹³ 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.
¹⁴ See Technical Notes for additional information on transportation data.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "**").
Notes: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values from Forms EIA-826 and EIA-906 for 2003 and 2004 are estimates based on samples - see Technical Notes for a discussion of the sample designs. • Beginning in January 2004, the Form EIA-826 has eliminated reporting of data under the sector category "other" and has replaced it with the sector category "transportation". Data on revenues, megawatthours, and number of customers for electric energy supplied for transportation, such as electrified railroads, is reported in the transportation sector. The revised definition of the commercial and industrial sectors includes data previously reported in the "other" sector. Electricity used for public-street and highway lighting, interdepartmental and/or intra-company sales in commercial establishments, and sales to other authorities will now be reported in the commercial sector. Electricity sales for agriculture including irrigation will be reported in the industrial sector. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • bbls = barrels. kWh = kilowatthours. Mcf = thousand cubic feet. MWh = megawatthours. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.
Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report," Form EIA-906, "Power Plant Report," 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 ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2004 and 2003

| January through August | | | | | | | | | | | |
|---|---------------------|--------------------|------------|------------------------------------|------------------|-----------------------------|----------------|-------------------------|--------------|-------------------------|---------------|
| Net Generation and Consumption of Fuels | | | | | | | | | | | |
| Items | Total (All Sectors) | | | Electric Power Sector ¹ | | | | Commercial ² | | Industrial ³ | |
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2004 | 2003 | % Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| Net Generation (Million kWh) | | | | | | | | | | | |
| Coal ⁴ | 1,323,568 | 1,311,723 | .9 | 1,030,336 | 1,027,677 | 278,159 | 268,994 | 756 | 695 | 14,316 | 14,357 |
| Petroleum Liquids ⁵ | 72,939 | 74,532 | -2.1 | 43,509 | 44,866 | 26,659 | 26,821 | 334 | 373 | 2,437 | 2,472 |
| Petroleum Coke..... | 12,291 | 10,223 | 20.2 | 5,195 | 4,534 | 6,219 | 4,568 | 3 | 4 | 873 | 1,117 |
| Natural Gas ⁶ | 464,801 | 436,444 | 6.5 | 136,352 | 139,269 | 273,891 | 243,640 | 2,628 | 3,070 | 51,931 | 50,465 |
| Other Gases ⁷ | 10,219 | 6,608 ⁸ | 54.6 | 3 | 4 | 1,610 | 807 | -- | * | 8,606 | 5,797 |
| Nuclear..... | 532,557 | 511,913 | 4.0 | 336,137 | 316,452 | 196,420 | 195,461 | -- | -- | -- | -- |
| Hydroelectric Conventional..... | 182,617 | 194,641 | -6.2 | 164,050 | 176,089 | 15,378 | 14,728 | 66 | 79 | 3,124 | 3,745 |
| Other Renewables..... | 59,365 | 54,662 | 8.6 | 2,272 | 1,642 | 36,753 | 33,390 | 1,197 | 1,257 | 19,143 | 18,374 |
| Wood ⁹ | 24,593 | 23,651 | 4.0 | 456 | 428 | 5,757 | 5,495 | 7 | 6 | 18,373 | 17,722 |
| Waste ¹⁰ | 15,341 | 15,025 | 2.1 | 771 | 869 | 12,610 | 12,253 | 1,189 | 1,251 | 770 | 652 |
| Geothermal..... | 9,571 | 8,655 | 10.6 | 837 | 134 | 8,734 | 8,521 | -- | -- | -- | -- |
| Solar..... | 463 | 425 | 9.0 | 2 | 2 | 461 | 423 | -- | -- | -- | -- |
| Wind..... | 9,396 | 6,906 | 36.1 | 205 | 208 | 9,191 | 6,698 | -- | -- | -- | -- |
| Hydroelectric Pumped Storage..... | -5,556 | -5,858 | 5.2 | -4,908 | -5,071 | -648 | -787 | -- | -- | -- | -- |
| Other Energy Sources ¹¹ | 2,156 | 3,460 | -37.7 | -- | -- | 204 | 474 | * | 7 | 1,953 | 2,979 |
| All Energy Sources..... | 2,654,959 | 2,598,348 | 2.2 | 1,712,946 | 1,705,461 | 834,645 | 788,096 | 4,985 | 5,484 | 102,383 | 99,306 |
| Consumption of Fossil Fuels for Electricity Generation | | | | | | | | | | | |
| Coal (1000 tons) ⁴ | 684,864 | 674,853 | 1.5 | 525,992 | 523,522 | 149,676 | 143,122 | 385 | 342 | 8,811 | 7,866 |
| Petroleum Liquids (1000 bbls) ⁷ | 124,344 | 129,877 | -4.3 | 72,663 | 76,188 | 45,986 | 47,517 | 752 | 865 | 4,943 | 5,307 |
| Petroleum Coke (1000 tons)..... | 4,862 | 3,935 | 23.6 | 1,853 | 1,629 | 2,558 | 1,810 | 2 | 2 | 449 | 494 |
| Natural Gas (1000 Mcf) ⁶ | 3,925,906 | 3,739,697 | 5.0 | 1,258,145 | 1,327,480 | 2,177,328 | 1,948,561 | 25,254 | 24,942 | 465,178 | 438,713 |
| Consumption of Fossil Fuels for Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ⁴ | 11,624 | 12,080 | -3.8 | -- | -- | 1,345 | 1,413 | 686 | 660 | 9,593 | 10,008 |
| Petroleum Liquids (1000 bbls) ⁷ | 8,472 | 10,243 | -17.3 | -- | -- | 252 | 671 | 432 | 407 | 7,787 | 9,165 |
| Petroleum Coke (1000 tons)..... | 329 | 498 | -33.9 | -- | -- | 72 | 87 | 3 | 5 | 255 | 406 |
| Natural Gas (1000 Mcf) ⁶ | 455,067 | 511,751 | -11.1 | -- | -- | 118,802 | 160,793 | 23,681 | 24,737 | 312,585 | 326,222 |
| Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output | | | | | | | | | | | |
| Coal (1000 tons) ⁴ | 696,488 | 686,933 | 1.4 | 525,992 | 523,522 | 151,021 | 144,535 | 1,071 | 1,002 | 18,404 | 17,874 |
| Petroleum Liquids (1000 bbls) ⁷ | 132,816 | 140,120 | -5.2 | 72,663 | 76,188 | 46,238 | 48,187 | 1,185 | 1,272 | 12,731 | 14,472 |
| Petroleum Coke (1000 tons)..... | 5,192 | 4,433 | 17.1 | 1,853 | 1,629 | 2,630 | 1,897 | 5 | 6 | 704 | 900 |
| Natural Gas (1000 Mcf) ⁶ | 4,380,973 | 4,251,448 | 3.0 | 1,258,145 | 1,327,480 | 2,296,130 | 2,109,354 | 48,934 | 49,679 | 777,763 | 764,935 |

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

| Items | Total U.S. Electric Power Industry | | | | | | | | |
|------------------------------------|--|-----------|----------|----------------------------------|---------|----------|----------------------------------|------|----------|
| | Retail Sales (Million kWh) ¹² | | | Retail Revenue (Million Dollars) | | | Average Retail Price (Cents/kWh) | | |
| | 2004 | 2003 | % Change | 2004 | 2003 | % Change | 2004 | 2003 | % Change |
| Residential..... | 884,039 | 874,980 | 1.0 | 78,768 | 76,169 | 3.4 | 8.91 | 8.71 | 2.3 |
| Commercial..... | 817,849 | 748,031 | 9.3 | 66,823 | 61,161 | 9.3 | 8.17 | 8.18 | -1 |
| Industrial..... | 680,050 | 659,408 | 3.1 | 34,807 | 32,849 | 6.0 | 5.12 | 4.98 | 2.8 |
| Transportation ¹³ | 4,690 | -- | -- | 273 | -- | -- | 5.83 | -- | -- |
| Other..... | -- | 71,974 | -- | -- | 5,055 | -- | -- | 7.02 | -- |
| All Sectors..... | 2,386,627 | 2,354,393 | 1.4 | 180,672 | 175,233 | 3.1 | 7.57 | 7.44 | 1.7 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

⁴ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

⁵ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

⁶ Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.

⁷ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁸ Published value does not reflect additional data received subsequent to first publication. Updated data for 2003 is expected to be available and published by December 2004.

⁹ Wood, black liquor, and other wood waste.

¹⁰ Municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, and other biomass.

¹¹ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

¹² 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.

¹³ See Technical Notes for additional information on transportation data.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values from Forms EIA-826 and EIA-906 for 2003 and 2004 are estimates based on samples - see Technical Notes for a discussion of the sample designs. • Beginning in January 2004, the Form EIA-826 has eliminated reporting of data under the sector category "other" and has replaced it with the sector category "transportation". Data on revenues, megawatt-hours, and number of customers for electric energy supplied for transportation, such as electrified railroads, is reported in the transportation sector. The revised definition of the commercial and industrial sectors includes data previously reported in the "other" sector. Electricity used for public-street and highway lighting, interdepartmental and/or intra-company sales in commercial establishments, and sales to other authorities will now be reported in the commercial sector. Electricity sales for agriculture including irrigation will be reported in the industrial sector. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • bbls = barrels. kWh = kilowatt-hours. Mcf = thousand cubic feet. MWh = megawatt-hours. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-906, "Power Plant Report;" 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 ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2004 and 2003

| July | | | | | | | | | | |
|--|------------------------------|----------|-------------------------------------|----------|-------------------------------|----------|------------------------------|-----------|-------------------------------------|----------|
| 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) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal (1000 tons) ² | 75,206 | 76,871 | 27.01 | 25.57 | 434 | 417 | 524,473 | 508,282 | 26.56 | 26.06 |
| Petroleum Liquids (1000 barrels) ³ .. | 13,622 | 13,625 | 31.26 | 30.30 | 259 | 275 | 88,037 | 85,926 | 30.71 | 32.22 |
| Petroleum Coke (1000 tons) | 568 | 463 | 23.71 | 22.15 | 26 | 22 | 3,761 | 2,339 | 22.00 | 18.95 |
| Natural Gas (1000 Mcf) ⁴ | 580,989 | 522,316 | 6.25 | 5.50 | 750 | 692 | 3,060,505 | 2,617,669 | 6.09 | 5.88 |

| Electric Utilities ⁵ | | | | | | | | | | |
|--|------------------------------|----------|-------------------------------------|----------|------------------|----------|------------------------------|----------|-------------------------------------|----------|
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal (1000 tons) ² | 57,165 | 58,794 | 26.75 | 25.13 | 273 | 276 | 395,914 | 395,216 | 26.24 | 25.50 |
| Petroleum Liquids (1000 barrels) ³ .. | 8,796 | 8,393 | 29.97 | 29.62 | 133 | 145 | 47,426 | 48,807 | 29.28 | 29.74 |
| Petroleum Coke (1000 tons) | 310 | 188 | 26.90 | 22.73 | 10 | 10 | 1,999 | 1,345 | 24.01 | 19.18 |
| Natural Gas (1000 Mcf) ⁴ | 155,165 | 154,156 | 6.42 | 5.75 | 227 | 225 | 773,590 | 768,466 | 6.28 | 6.04 |

| Independent Power Producers ⁶ | | | | | | | | | | |
|--|------------------------------|----------|-------------------------------------|----------|------------------|----------|------------------------------|-----------|-------------------------------------|----------|
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal (1000 tons) ² | 16,666 | 17,130 | 27.31 | 26.75 | 125 | 117 | 119,548 | 105,876 | 27.11 | 27.85 |
| Petroleum Liquids (1000 barrels) ³ .. | 4,483 | 4,830 | 33.87 | 31.76 | 97 | 105 | 38,120 | 34,438 | 32.46 | 35.97 |
| Petroleum Coke (1000 tons) | 216 | 214 | 19.05 | 19.54 | 13 | 9 | 1,424 | 808 | 18.17 | 17.17 |
| Natural Gas (1000 Mcf) ⁴ | 360,951 | 307,107 | 6.16 | 5.35 | 423 | 379 | 1,824,944 | 1,432,903 | 6.01 | 5.81 |

| Commercial Sector ⁷ | | | | | | | | | | |
|--|------------------------------|----------|-------------------------------------|----------|------------------|----------|------------------------------|----------|-------------------------------------|----------|
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal (1000 tons) ² | 44 | 32 | 47.89 | 46.19 | 3 | 2 | 261 | 231 | 45.84 | 46.67 |
| Petroleum Liquids (1000 barrels) ³ .. | * | * | 55.40 | 24.65 | 1 | 1 | 50 | 236 | 43.57 | 44.36 |
| Petroleum Coke (1000 tons) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Natural Gas (1000 Mcf) ⁴ | 838 | 1,115 | 5.69 | 4.94 | 6 | 5 | 7,906 | 6,396 | 5.82 | 5.01 |

| Industrial Sector ⁸ | | | | | | | | | | |
|--|------------------------------|----------|-------------------------------------|----------|------------------|----------|------------------------------|----------|-------------------------------------|----------|
| Items | Receipts (physical units) | | Cost (dollars/ physical unit) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (physical units) | | Cost (dollars/ physical unit) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal (1000 tons) ² | 1,330 | 915 | 34.15 | 30.53 | 33 | 22 | 8,750 | 6,958 | 32.97 | 30.13 |
| Petroleum Liquids (1000 barrels) ³ .. | 343 | 403 | 30.02 | 26.86 | 28 | 24 | 2,441 | 2,447 | 30.86 | 27.75 |
| Petroleum Coke (1000 tons) | 42 | 62 | 24.22 | 29.45 | 3 | 3 | 338 | 186 | 26.28 | 25.08 |
| Natural Gas (1000 Mcf) ⁴ | 64,034 | 59,937 | 6.38 | 5.61 | 94 | 83 | 454,065 | 409,904 | 6.08 | 5.85 |

¹ Represents the number of plants for which receipts data were collected for this month. The same plant using more than one fuel may be counted multiple times. The total number of electric power plants using coal, petroleum liquids, petroleum coke, and natural gas in the country as of January 1, 2003 are 633; 1,130; 18; and 1,651 respectively.

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

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

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

⁵ Electric Utilities includes a small number of regulated NAICS-22 CHP plants.

⁶ Independent Power Producers includes unregulated NAICS-22 CHP plants.

⁷ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

⁸ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

Notes: • Totals may not equal sum of components because of independent rounding. • bbls = barrels. 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."

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2004 and 2003

| July | | | | | | | | | | |
|--------------------------------------|---------------------------|-----------|-------------------------------|----------|-------------------------------|----------|---------------------------|------------|-------------------------------|----------|
| 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) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal ² | 1,505,532 | 1,544,292 | 1.35 | 1.27 | 434 | 417 | 10,583,327 | 10,360,430 | 1.32 | 1.28 |
| Petroleum Liquids ³ | 86,175 | 85,848 | 4.94 | 4.81 | 259 | 275 | 554,522 | 539,403 | 4.88 | 5.13 |
| Petroleum Coke..... | 15,983 | 13,043 | .84 | .79 | 26 | 22 | 105,952 | 66,349 | .78 | .67 |
| Natural Gas ⁴ | 598,133 | 538,127 | 6.07 | 5.34 | 750 | 692 | 3,144,555 | 2,686,164 | 5.93 | 5.73 |
| Fossil Fuels..... | 2,205,823 | 2,192,153 | 2.77 | 2.42 | 1,070 | 994 | 14,388,357 | 13,652,337 | 2.46 | 2.30 |

| Electric Utilities ⁵ | | | | | | | | | | |
|--------------------------------------|---------------------------|-----------|-------------------------------|----------|------------------|----------|---------------------------|-----------|-------------------------------|----------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal ² | 1,151,969 | 1,185,870 | 1.33 | 1.25 | 273 | 276 | 8,028,270 | 8,077,842 | 1.29 | 1.25 |
| Petroleum Liquids ³ | 56,087 | 53,542 | 4.70 | 4.64 | 133 | 145 | 301,830 | 309,703 | 4.60 | 4.69 |
| Petroleum Coke..... | 8,732 | 5,289 | .95 | .81 | 10 | 10 | 56,435 | 37,918 | .85 | .68 |
| Natural Gas ⁴ | 160,358 | 159,326 | 6.21 | 5.57 | 227 | 225 | 796,294 | 787,965 | 6.10 | 5.89 |
| Fossil Fuels..... | 1,377,147 | 1,404,096 | 2.03 | 1.86 | 420 | 424 | 9,182,829 | 9,213,419 | 1.82 | 1.76 |

| Independent Power Producers ⁶ | | | | | | | | | | |
|--|---------------------------|----------|-------------------------------|----------|------------------|----------|---------------------------|-----------|-------------------------------|----------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal ² | 324,624 | 338,366 | 1.40 | 1.35 | 125 | 117 | 2,362,639 | 2,130,412 | 1.37 | 1.38 |
| Petroleum Liquids ³ | 28,008 | 30,029 | 5.42 | 5.11 | 97 | 105 | 237,353 | 213,602 | 5.21 | 5.80 |
| Petroleum Coke..... | 6,131 | 6,062 | .67 | .69 | 13 | 9 | 40,182 | 23,336 | .64 | .59 |
| Natural Gas ⁴ | 370,921 | 315,735 | 6.00 | 5.20 | 423 | 379 | 1,874,983 | 1,468,793 | 5.85 | 5.66 |
| Fossil Fuels..... | 729,684 | 692,636 | 3.89 | 3.28 | 536 | 474 | 4,515,157 | 3,851,701 | 3.43 | 3.27 |

| Commercial Sector ⁷ | | | | | | | | | | |
|--------------------------------------|---------------------------|----------|-------------------------------|----------|------------------|----------|---------------------------|----------|-------------------------------|----------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal ² | 1,041 | 750 | 2.04 | 1.97 | 3 | 2 | 6,143 | 5,468 | 1.95 | 1.97 |
| Petroleum Liquids ³ | 1 | 2 | 9.30 | 4.46 | 1 | 1 | 293 | 1,315 | 7.46 | 7.94 |
| Petroleum Coke..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Natural Gas ⁴ | 852 | 1,144 | 5.60 | 4.82 | 6 | 5 | 8,062 | 6,551 | 5.70 | 4.89 |
| Fossil Fuels..... | 1,893 | 1,896 | 3.65 | 3.69 | 6 | 5 | 14,498 | 13,334 | 4.15 | 4.00 |

| Industrial Sector ⁸ | | | | | | | | | | |
|--------------------------------------|---------------------------|----------|-------------------------------|----------|------------------|----------|---------------------------|----------|-------------------------------|----------|
| Items | Receipts (billion Btu) | | Cost (dollars/million Btu) | | Number of Plants | | Year-to-Date | | | |
| | | | | | | | Receipts (billion Btu) | | Cost (dollars/million Btu) | |
| | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| Coal ² | 27,898 | 19,306 | 1.63 | 1.45 | 33 | 22 | 186,275 | 146,707 | 1.55 | 1.43 |
| Petroleum Liquids ³ | 2,079 | 2,275 | 4.95 | 4.75 | 28 | 24 | 15,046 | 14,783 | 5.01 | 4.59 |
| Petroleum Coke..... | 1,120 | 1,691 | .92 | 1.07 | 3 | 3 | 9,335 | 5,095 | .95 | .92 |
| Natural Gas ⁴ | 66,002 | 61,924 | 6.19 | 5.43 | 94 | 83 | 465,216 | 422,855 | 5.93 | 5.67 |
| Fossil Fuels..... | 97,099 | 93,526 | 4.79 | 4.46 | 108 | 91 | 675,873 | 638,642 | 4.63 | 4.59 |

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, 2003 are 633; 1,130; 18; and 1,651 respectively.

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

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

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

⁵ Electric Utilities includes a small number of regulated NAICS-22 CHP plants.

⁶ Independent Power Producers includes unregulated NAICS-22 CHP plants.

⁷ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

⁸ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • Totals may not equal sum of components because of independent rounding. • bbls = barrels. 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."

Table ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2004 - 2005

| Year/Month/Company | Producer Type | Plant | State | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|--|---------------|------------------------------------|-------|--------------------|--|---------------|-------------|
| New Units 2004 | | | | | | | |
| January | | | | | | | |
| Athens Generating Company LP | IPP | Athens Generating LP | NY | CT2 | 258 | NG | CT |
| Athens Generating Company LP | IPP | Athens Generating LP | NY | CT3 | 258 | NG | CT |
| Athens Generating Company LP | IPP | Athens Generating LP | NY | ST1 | 121 | NG | CA |
| Athens Generating Company LP | IPP | Athens Generating LP | NY | ST2 | 121 | NG | CA |
| Athens Generating Company LP | IPP | Athens Generating LP | NY | ST3 | 121 | NG | CA |
| Calpine Construction F Corp LP | IPP | Morgan Energy Center | AL | CTG1 | 181 | NG | CT |
| Glendale City of | Elec. Utility | Grayson | CA | 9 | 42 | NG | GT |
| Macon City of | Elec. Utility | Sub 2 Generating Station | MO | 2 | 2 | DFO | IC |
| Merck & Co Inc | CHP | Merck Rahway Power Plant | NJ | GEN9 | 10 | NG | ST |
| P P M Energy Inc | IPP | Colorado Green Holdings LLC | CO | CG | 162 | WND | WT |
| Pasadena City of | Elec. Utility | Angeles | CA | GT3 | 51 | NG | GT |
| Pasadena City of | Elec. Utility | Angeles | CA | GT4 | 51 | NG | GT |
| South Carolina Pub Serv Auth | Elec. Utility | John S Rainey | SC | CT3A | 71 | NG | GT |
| South Carolina Pub Serv Auth | Elec. Utility | John S Rainey | SC | CT3B | 71 | NG | GT |
| South Carolina Pub Serv Auth | Elec. Utility | John S Rainey | SC | CT4A | 71 | NG | GT |
| Tampa Electric Co | Elec. Utility | H L Culbreath Bayside | FL | 2A | 163 | NG | CT |
| Tampa Electric Co | Elec. Utility | H L Culbreath Bayside | FL | 2B | 163 | NG | CT |
| Tampa Electric Co | Elec. Utility | H L Culbreath Bayside | FL | 2C | 163 | NG | CT |
| Tampa Electric Co | Elec. Utility | H L Culbreath Bayside | FL | 2D | 163 | NG | CT |
| Weyerhaeuser Co | CHP | Port Wentworth | GA | GEN5 | 21 | BLQ | ST |
| February | | | | | | | |
| Boulder City of | IPP | Boulder City Lakewood Hydro | CO | 1 | 3 | WAT | HY |
| Bryan City of | Elec. Utility | Dansby | TX | 2 | 42 | NG | GT |
| Enterprise Products Optg LP | CHP | Neptune Gas Processing Plant | LA | NPCG | 3 | NG | OT |
| Katco Funding LP | IPP | Plaquemine Cogeneration Plant | LA | G500 | 170 | NG | CT |
| Katco Funding LP | IPP | Plaquemine Cogeneration Plant | LA | G600 | 170 | NG | CT |
| Katco Funding LP | IPP | Plaquemine Cogeneration Plant | LA | G700 | 170 | NG | CT |
| Katco Funding LP | IPP | Plaquemine Cogeneration Plant | LA | G800 | 170 | NG | CT |
| Katco Funding LP | IPP | Plaquemine Cogeneration Plant | LA | ST5 | 168 | NG | CA |
| Lower Mount Bethel Energy LLC | IPP | Lower Mount Bethel Energy | PA | G3 | 216 | NG | CA |
| Marceline City of | Elec. Utility | Marceline | MO | 5 | 2 | DFO | IC |
| Marceline City of | Elec. Utility | Marceline | MO | 6 | 2 | DFO | IC |
| Merck & Co Inc-West Point | CHP | West Point | PA | GEN9 | 1 | NG | IC |
| Merck & Co Inc-West Point | CHP | West Point | PA | GN10 | 1 | NG | IC |
| Milford Power Co LLC | IPP | Milford Power Project | CT | CA01 | 232 | NG | CS |
| Reliant Energy Bighorn LLC | IPP | Bighorn Electric Generating Street | NV | A01 | 153 | NG | CT |
| Reliant Energy Bighorn LLC | IPP | Bighorn Electric Generating Street | NV | A02 | 153 | NG | CT |
| Reliant Energy Bighorn LLC | IPP | Bighorn Electric Generating Street | NV | ST1 | 249 | NG | CA |
| Wellington City of | Elec. Utility | Wellington Municipal | KS | 7 | 2 | DFO | IC |
| Wellington City of | Elec. Utility | Wellington Municipal | KS | 8 | 2 | DFO | IC |
| March | | | | | | | |
| Heber Light & Power Co | Elec. Utility | Heber City | UT | 1 | 1 | NG | IC |
| Heber Light & Power Co | Elec. Utility | Heber City | UT | 2 | 1 | NG | IC |
| Hendricks Regional Health | CHP | Hendricks Regional Health | IN | GEO4 | 1 | DFO | IC |
| Hendricks Regional Health | CHP | Hendricks Regional Health | IN | GEO5 | 1 | DFO | IC |
| Lower Mount Bethel Energy LLC | IPP | Lower Mount Bethel Energy | PA | G1 | 189 | NG | CT |
| Lower Mount Bethel Energy LLC | IPP | Lower Mount Bethel Energy | PA | G2 | 189 | NG | CT |
| Traer City of | Elec. Utility | East Generation | IA | 6 | 2 | DFO | IC |
| Traer City of | Elec. Utility | East Generation | IA | 7 | 2 | DFO | IC |
| Trigen-Boston Energy Corp | IPP | NECCO Cogen | MA | GEN1 | 3 | NG | IC |
| Trigen-Boston Energy Corp | IPP | NECCO Cogen | MA | GEN2 | 3 | NG | IC |
| April | | | | | | | |
| Athens Generating Company LP | IPP | Athens Generating LP | NY | CT1 | 258 | NG | CT |
| Corn Belt Power Coop | Elec. Utility | Earl F Wisdom | IA | 2 | 94 | NG | GT |
| Dairyland Power Coop | Elec. Utility | Seven Mile Creek LFG | WI | 1 | 1 | LFG | IC |
| Dairyland Power Coop | Elec. Utility | Seven Mile Creek LFG | WI | 2 | 2 | LFG | IC |
| Dairyland Power Coop | Elec. Utility | Seven Mile Creek LFG | WI | 3 | 3 | LFG | IC |
| Harrisonburg Electric Commission | Elec. Utility | Mount Clinton | VA | D-5 | 2 | DFO | IC |
| Larned City of | Elec. Utility | Larned | KS | CAT | 2 | DFO | IC |
| Larned City of | Elec. Utility | Larned | KS | CAT1 | 2 | DFO | IC |
| Larned City of | Elec. Utility | Larned | KS | CAT2 | 2 | DFO | IC |
| Larned City of | Elec. Utility | Larned | KS | CAT3 | 2 | DFO | IC |

Table ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2004 - 2005
(Continued)

| Year/Month/Company | Producer Type | Plant | State | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|--------------------------------------|---------------|-------------------------------------|-------|--------------------|--|---------------|-------------|
| New Units 2004 | | | | | | | |
| Larned City of | Elec. Utility | Larned | KS | CAT4 | 2 | DFO | IC |
| Lincoln Electric System | Elec. Utility | Salt Valley | NE | 3 | 46 | NG | GT |
| Pratt City of | Elec. Utility | Pratt 2 | KS | IC3 | 8 | NG | IC |
| Tenaska Virginia Partners LP | IPP | Tenaska Virginia Generating Station | VA | CTG1 | 158 | NG | CT |
| Tenaska Virginia Partners LP | IPP | Tenaska Virginia Generating Station | VA | CTG2 | 158 | NG | CT |
| Tenaska Virginia Partners LP | IPP | Tenaska Virginia Generating Station | VA | CTG3 | 158 | NG | CT |
| Tenaska Virginia Partners LP | IPP | Tenaska Virginia Generating Station | VA | STG1 | 341 | NG | CA |
| Trenton Municipal Utilities | Elec. Utility | Trenton South | MO | 5 | 2 | DFO | IC |
| Trenton Municipal Utilities | Elec. Utility | Trenton South | MO | 6 | 2 | DFO | IC |
| Trenton Municipal Utilities | Elec. Utility | Trenton South | MO | 7 | 2 | DFO | IC |
| Western Minnesota Mun Pwr Agny | Elec. Utility | Exira | IA | U1 | 48 | NG | GT |
| May | | | | | | | |
| Alabama Municipal Elec Auth | Elec. Utility | AMEA Peaking | AL | 1 | 42 | NG | GT |
| Alabama Municipal Elec Auth | Elec. Utility | AMEA Peaking | AL | 2 | 42 | NG | GT |
| Bassett Healthcare | CHP | Bassett Healthcare | NY | 4 | 2 | DFO | IC |
| Calpine Eastern Corp | IPP | Osprey Energy Center | FL | OEC1 | 156 | NG | CT |
| Calpine Eastern Corp | IPP | Osprey Energy Center | FL | OEC2 | 154 | NG | CT |
| Calpine Eastern Corp | IPP | Osprey Energy Center | FL | OEC3 | 172 | NG | CA |
| Columbia Energy LLC | IPP | Columbia Energy Center | SC | CT1 | 169 | NG | CT |
| Columbia Energy LLC | IPP | Columbia Energy Center | SC | CT2 | 169 | NG | CT |
| Columbia Energy LLC | IPP | Columbia Energy Center | SC | ST1 | 151 | NG | CA |
| Dominion Fairless Inc. | IPP | Fairless Energy Center | PA | CT1A | 171 | NG | CT |
| Dominion Fairless Inc. | IPP | Fairless Energy Center | PA | CT1B | 171 | NG | CT |
| Dominion Fairless Inc. | IPP | Fairless Energy Center | PA | ST1 | 241 | NG | CA |
| Hawaii Electric Light Co Inc | Elec. Utility | Keahole | HI | CT4 | 20 | DFO | CT |
| InterGen North America | IPP | Redbud Power Plant | OK | CT01 | 152 | NG | CT |
| InterGen North America | IPP | Redbud Power Plant | OK | CT02 | 152 | NG | CT |
| InterGen North America | IPP | Redbud Power Plant | OK | CT03 | 152 | NG | CT |
| InterGen North America | IPP | Redbud Power Plant | OK | CT04 | 152 | NG | CT |
| InterGen North America | IPP | Redbud Power Plant | OK | ST01 | 134 | NG | CA |
| InterGen North America | IPP | Redbud Power Plant | OK | ST02 | 134 | NG | CA |
| InterGen North America | IPP | Redbud Power Plant | OK | ST03 | 134 | NG | CA |
| InterGen North America | IPP | Redbud Power Plant | OK | ST04 | 134 | NG | CA |
| Interstate Power and Light Co | Elec. Utility | Emery Station | IA | 11 | 145 | NG | CT |
| Interstate Power and Light Co | Elec. Utility | Emery Station | IA | 12 | 145 | NG | CT |
| Interstate Power and Light Co | Elec. Utility | Emery Station | IA | ST1 | 228 | NG | CA |
| Milford Power Co LLC | IPP | Milford Power Project | CT | CA02 | 232 | NG | CS |
| Pinnacle West Energy | IPP | Silverhawk | NV | CT1 | 155 | NG | CT |
| Pinnacle West Energy | IPP | Silverhawk | NV | CT2 | 155 | NG | CT |
| Pinnacle West Energy | IPP | Silverhawk | NV | ST1 | 181 | NG | CA |
| Rocky Mountain Energy Ctr LLC | IPP | Rocky Mountain Energy Center | CO | CTG1 | 172 | NG | CT |
| Rocky Mountain Energy Ctr LLC | IPP | Rocky Mountain Energy Center | CO | CTG2 | 172 | NG | CT |
| Rocky Mountain Energy Ctr LLC | IPP | Rocky Mountain Energy Center | CO | STG1 | 172 | NG | CA |
| South Carolina Electric&Gas Co | Elec. Utility | Jasper | SC | CT1 | 129 | NG | CT |
| South Carolina Electric&Gas Co | Elec. Utility | Jasper | SC | CT2 | 129 | NG | CT |
| South Carolina Electric&Gas Co | Elec. Utility | Jasper | SC | CT3 | 146 | NG | CT |
| South Carolina Electric&Gas Co | Elec. Utility | Jasper | SC | ST1 | 348 | NG | CA |
| Stillwater Power | Elec. Utility | Boomer Lake Station | OK | 3 | 2 | DFO | IC |
| Stillwater Power | Elec. Utility | Boomer Lake Station | OK | 4 | 2 | DFO | IC |
| Stillwater Power | Elec. Utility | Boomer Lake Station | OK | 5 | 2 | DFO | IC |
| Waterside Power, LLC | IPP | Waterside Power, LLC | CT | 4 | 20 | DFO | GT |
| Waterside Power, LLC | IPP | Waterside Power, LLC | CT | 5 | 20 | DFO | GT |
| Waterside Power, LLC | IPP | Waterside Power, LLC | CT | 6 | 20 | DFO | GT |
| West Liberty City of | Elec. Utility | West Liberty | IA | 5 | 5 | DFO | GT |
| West Liberty City of | Elec. Utility | West Liberty | IA | 6 | 5 | DFO | GT |
| Western Minnesota Mun Pwr Agny | Elec. Utility | Exira | IA | U2 | 48 | NG | GT |
| Wise County Power Co., LLC | IPP | Wise County Power LP | TX | GT1 | 225 | NG | CT |
| Wise County Power Co., LLC | IPP | Wise County Power LP | TX | GT2 | 225 | NG | CT |
| Wise County Power Co., LLC | IPP | Wise County Power LP | TX | GT3 | 225 | NG | CA |
| June | | | | | | | |
| Bryan City of | Elec. Utility | Auglaize Hydro | OH | 3A | 1 | WAT | HY |
| Bryan City of | Elec. Utility | Auglaize Hydro | OH | 6 | * | WAT | HY |
| Colorado Energy Management LLC | IPP | Nebo Power Station | UT | GT1 | 56 | NG | CT |

**Table ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2004 - 2005
(Continued)**

| Year/Month/Company | Producer Type | Plant | State | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|-------------------------------------|---------------|---------------------------------------|-------|--------------------|--|---------------|-------------|
| New Units 2004 | | | | | | | |
| Colorado Energy Management LLC..... | IPP | Nebo Power Station | UT | ST1 | 65 | NG | CA |
| Deer Park Energy Center LP..... | IPP | Deer Park Energy Center | TX | CTG3 | 155 | NG | CT |
| Deer Park Energy Center LP..... | IPP | Deer Park Energy Center | TX | CTG4 | 155 | NG | CT |
| Deer Park Energy Center LP..... | IPP | Deer Park Energy Center | TX | STG1 | 258 | NG | CA |
| Dominion Fairless Inc..... | IPP | Fairless Energy Center | PA | CT2A | 171 | NG | CT |
| Dominion Fairless Inc..... | IPP | Fairless Energy Center | PA | CT2B | 155 | NG | CT |
| Dominion Fairless Inc..... | IPP | Fairless Energy Center | PA | ST2 | 241 | NG | CA |
| Equus Power, Inc..... | IPP | Equus Freeport Power | NY | 1 | 51 | NG | GT |
| Hawaii Electric Light Co Inc..... | Elec. Utility | Keahole | HI | CT5 | 20 | DFO | CT |
| Indiana Municipal Power Agency..... | Elec. Utility | Anderson | IN | ACT3 | 86 | NG | GT |
| Lanesboro Public Utility Comm..... | Elec. Utility | Lanesboro | MN | 4 | 2 | DFO | IC |
| Louisville Gas & Electric Co..... | Elec. Utility | Trimble County | KY | 7 | 148 | NG | GT |
| Louisville Gas & Electric Co..... | Elec. Utility | Trimble County | KY | 8 | 148 | NG | GT |
| Maquoketa City of..... | Elec. Utility | Maquoketa 1 | IA | 1A | 3 | NG | IC |
| Maquoketa City of..... | Elec. Utility | Maquoketa 1 | IA | 2A | 3 | NG | IC |
| Municipal Electric Authority..... | Elec. Utility | Wansley Unit 9 | GA | CT1 | 147 | NG | CT |
| Municipal Electric Authority..... | Elec. Utility | Wansley Unit 9 | GA | CT2 | 147 | NG | CT |
| Municipal Electric Authority..... | Elec. Utility | Wansley Unit 9 | GA | ST1 | 210 | NG | CA |
| PSEG Lawrenceburg Engy Co LLC..... | IPP | PSEG Lawrenceburg Energy Facility | IN | CTG1 | 150 | NG | CT |
| PSEG Lawrenceburg Engy Co LLC..... | IPP | PSEG Lawrenceburg Energy Facility | IN | CTG2 | 150 | NG | CT |
| PSEG Lawrenceburg Engy Co LLC..... | IPP | PSEG Lawrenceburg Energy Facility | IN | CTG3 | 150 | NG | CT |
| PSEG Lawrenceburg Engy Co LLC..... | IPP | PSEG Lawrenceburg Energy Facility | IN | CTG4 | 150 | NG | CT |
| PSEG Lawrenceburg Engy Co LLC..... | IPP | PSEG Lawrenceburg Energy Facility | IN | ST1 | 231 | NG | CA |
| PSEG Lawrenceburg Engy Co LLC..... | IPP | PSEG Lawrenceburg Energy Facility | IN | ST2 | 231 | NG | CA |
| Platte River Power Authority..... | Elec. Utility | Rawhide | CO | D | 76 | NG | GT |
| Rock River Energy LLC..... | IPP | Riverside Energy Center | WI | CTG1 | 170 | NG | CT |
| Rock River Energy LLC..... | IPP | Riverside Energy Center | WI | CTG2 | 170 | NG | CT |
| Rock River Energy LLC..... | IPP | Riverside Energy Center | WI | STG1 | 258 | NG | CA |
| San Antonio Public Service Bd..... | Elec. Utility | Leon Creek | TX | CGT1 | 49 | NG | GT |
| San Antonio Public Service Bd..... | Elec. Utility | Leon Creek | TX | CGT2 | 49 | NG | GT |
| San Antonio Public Service Bd..... | Elec. Utility | Leon Creek | TX | CGT3 | 49 | NG | GT |
| San Antonio Public Service Bd..... | Elec. Utility | Leon Creek | TX | CGT4 | 49 | NG | GT |
| South Mississippi El Pwr Assn..... | Elec. Utility | Silver Creek | MS | 2 | 71 | NG | GT |
| Wisconsin Public Power Inc..... | Elec. Utility | WPPI Kaukauna CT | WI | FT83 | 54 | NG | GT |
| July | | | | | | | |
| Argyle City of..... | Elec. Utility | Argyle | WI | 5 | 2 | DFO | IC |
| Bryan City of..... | Elec. Utility | Auglaize Hydro | OH | 2A | 1 | WAT | HY |
| County of Sonoma Dept of Trnsp..... | IPP | Sonoma Central Landfill Phase III | CA | P-31 | 1 | LFG | IC |
| County of Sonoma Dept of Trnsp..... | IPP | Sonoma Central Landfill Phase III | CA | P-32 | 8 | LFG | IC |
| Louisiana Tech University..... | CHP | Louisiana Tech University Power Plant | LA | TG3 | 6 | NG | GT |
| Louisville Gas & Electric Co..... | Elec. Utility | Trimble County | KY | 10 | 148 | NG | GT |
| Louisville Gas & Electric Co..... | Elec. Utility | Trimble County | KY | 9 | 148 | NG | GT |
| August | | | | | | | |
| Baldwin City City of..... | Elec. Utility | Baldwin City | KS | 7 | 3 | DFO | IC |
| Baldwin City City of..... | Elec. Utility | Baldwin City | KS | 8 | 3 | DFO | IC |
| Goldendale Energy Inc. LLC..... | IPP | Goldendale Energy Center | WA | G1 | 143 | NG | CT |
| Goldendale Energy Inc. LLC..... | IPP | Goldendale Energy Center | WA | G2 | 77 | NG | CA |
| Goldendale Energy Inc. LLC..... | IPP | Goldendale Energy Center | WA | G3 | 1 | DFO | IC |
| Harquahala Generating Co LLC..... | IPP | Harquahala Generating Project | AZ | CTG3 | 269 | NG | CT |
| Harquahala Generating Co LLC..... | IPP | Harquahala Generating Project | AZ | STG3 | 138 | NG | CA |
| Lincoln Electric System..... | Elec. Utility | Salt Valley | NE | 1 | 27 | NG | CA |
| September | | | | | | | |
| Austin Energy..... | Elec. Utility | Sand Hill | TX | 5A | 138 | NG | CT |
| Austin Energy..... | Elec. Utility | Sand Hill | TX | 5C | 120 | NG | CA |
| International Paper Co..... | CHP | International Paper Livermore Hydro | ME | GEN9 | 1 | WAT | HY |
| Trigen Inner Harbor East, LLC..... | CHP | Inner Harbor East Heating | MD | 1 | 2 | NG | IC |
| October | | | | | | | |
| Fort Pierre City of..... | Elec. Utility | Ft. Pierre | SD | 5 | 2 | DFO | IC |
| Fort Pierre City of..... | Elec. Utility | Ft. Pierre | SD | 6 | 2 | DFO | IC |
| Fort Pierre City of..... | Elec. Utility | Ft. Pierre | SD | 7 | 2 | DFO | IC |
| Higginsville City of..... | Elec. Utility | Higginsville | MO | 5 | 1 | DFO | IC |
| Higginsville City of..... | Elec. Utility | Higginsville | MO | 6 | 5 | DFO | IC |

**Table ES3. New and Planned U.S. Electric Generating Units by Operating Company, Plant and Month, 2004 - 2005
(Continued)**

| Year/Month/Company | Producer Type | Plant | State | Generating Unit ID | Net Summer Capacity (megawatts) ¹ | Energy Source | Prime Mover |
|--|---------------|-------|-------|--------------------|--|---------------|-------------|
| Year-to-Date Capacity of New Units..... | -- | -- | -- | -- | 17,493 | -- | -- |
| Year-to-Date Capacity of Retired Units ... | -- | -- | -- | -- | -- | -- | -- |
| Year-to-Date U.S. Capacity..... | -- | -- | -- | -- | 970,699 | -- | -- |
| Planned | | | | | | | |
| 2004 | | | | | | | |
| November | -- | -- | -- | -- | 982 | | |
| December | -- | -- | -- | -- | 1,382 | | |
| 2005 | | | | | | | |
| January | -- | -- | -- | -- | 1,823 | | |
| February | -- | -- | -- | -- | 868 | | |
| March | -- | -- | -- | -- | 602 | | |
| April | -- | -- | -- | -- | 1,899 | | |
| May | -- | -- | -- | -- | 4,456 | | |
| June | -- | -- | -- | -- | 11,159 | | |
| July | -- | -- | -- | -- | 2,970 | | |
| August | -- | -- | -- | -- | 280 | | |
| September..... | -- | -- | -- | -- | 1,363 | | |
| October..... | -- | -- | -- | -- | 276 | | |

¹ Net summer capacity is estimated.

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

Notes: • See Glossary for definitions. • Totals may not equal sum of components because of independent rounding. • Data are preliminary. Final data for the year are to be released in the Form EIA-860 annual databases. • Producer types are: CHP = Combined Heat and Power; Elec. Utility = Electric Utility; and IPP = Independent Power Producer. • For definitions of codes for energy sources and prime movers, access Form EIA-860 at <http://www.eia.doe.gov/cneaf/electricity/page/forms.html>.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table ES4. Plants Sold and Transferred in 2003 and 2004

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|----------------------------|---------------------------------------|-------|--------------|---------------------------------|---------------------|--------------------------|---------------------------------------|
| | | | | Plant Total | Sold or Transferred | | |
| Northwestern Wind Power | Klondike I Wind Power | OR | 55871 | 24.0 | 24.0 | January 14, 2003 | PPM Energy |
| PG&E National Energy Group | Hermiston Generating Plant | OR | 54761 | 464.0 | 116.0 | January 21, 2003 | Sumitomo Corp |
| El Paso Merchant Energy | C R Wing Cogen Plant | TX | 52176 | 227.0 | 113.5 | January 29, 2003 | TransAlta Corp |
| El Paso Merchant Energy | Saranac Facility | NY | 54574 | 241.0 | 90.4 | January 29, 2003 | TransAlta Corp |
| El Paso Merchant Energy | Yuma Cogeneration Associates | AZ | 54694 | 54.6 | 27.3 | January 29, 2003 | TransAlta Corp |
| El Paso Merchant Energy | Salton Sea Unit 4 | CA | 54996 | 34.0 | 17.0 | January 29, 2003 | TransAlta Corp |
| El Paso Merchant Energy | Salton Sea Unit 5 | CA | 55983 | 49.0 | 24.5 | January 29, 2003 | TransAlta Corp |
| El Paso Merchant Energy | Salton Sea Unit 1 | CA | 10878 | 9.3 | 4.7 | January 30, 2003 | TransAlta Corp |
| El Paso Merchant Energy | Salton Sea Unit 2 | CA | 10879 | 15.0 | 7.5 | January 31, 2003 | TransAlta Corp |
| PG&E National Energy Group | Mountain View I | CA | 55719 | 44.4 | 44.4 | January 31, 2003 | MDU Resources Group |
| PG&E National Energy Group | Mountain View II | CA | 55720 | 22.2 | 22.2 | January 31, 2003 | MDU Resources Group |
| El Paso Merchant Energy | Salton Sea Unit 3 | CA | 10759 | 47.5 | 23.8 | February 1, 2003 | TransAlta Corp |
| PG&E National Energy Group | Lewisville | TX | 794 | 2.8 | 2.8 | February 1, 2003 | Garland City of |
| PG&E National Energy Group | Spencer | TX | 4266 | 179.0 | 179.0 | February 1, 2003 | Garland City of |
| El Paso Merchant Energy | Vulcan | CA | 50210 | 29.5 | 14.8 | February 2, 2003 | TransAlta Corp |
| El Paso Merchant Energy | J J Elmore | CA | 10634 | 34.0 | 17.0 | February 3, 2003 | TransAlta Corp |
| Mirant | Neenah Energy Facility | WI | 55135 | 308.8 | 308.8 | February 3, 2003 | Alliant Energy Resources |
| El Paso Merchant Energy | J M Leathers | CA | 10631 | 34.0 | 17.0 | February 4, 2003 | TransAlta Corp |
| Williams Energy | Worthington Generation LLC | IN | 55148 | 170.0 | 170.0 | February 4, 2003 | Hoosier Energy |
| Cinergy Capital & Trading | Henry County | IN | 7763 | 114.8 | 114.8 | February 5, 2003 | PSI Energy Inc |
| Cinergy Capital & Trading | Madison | OH | 55110 | 580.7 | 580.7 | February 5, 2003 | PSI Energy Inc |
| El Paso Merchant Energy | CE Turbo | CA | 55984 | 11.0 | 5.5 | February 5, 2003 | TransAlta Corp |
| El Paso Merchant Energy | A W Hoch | CA | 10632 | 34.0 | 17.0 | February 6, 2003 | TransAlta Corp |
| Ahlstrom Corp | Algonquin Windsor Locks | CT | 10567 | 51.0 | 51.0 | March 13, 2003 | Algonquin Power Income Fund |
| Allegheny Energy | Conemaugh | PA | 3118 | 1712.0 | 1712.0 | June 27, 2003 | UGI Development Co |
| Central Power & Lime Inc | Central Power & Lime | FL | 10333 | 139.0 | 139.0 | July 18, 2003 | Delta Power Co LLC |
| PG&E National Energy Group | Bowling Green Generating Station | OH | 55262 | 49.5 | 49.5 | September 1, 2003 | American Mun Power-Ohio Inc |
| PG&E National Energy Group | Galion Generating Station | OH | 55263 | 49.5 | 49.5 | September 1, 2003 | American Mun Power-Ohio Inc |
| PG&E National Energy Group | Napoleon Peaking Station | OH | 55264 | 49.5 | 49.5 | September 1, 2003 | American Mun Power-Ohio Inc |
| Calpine Corp | Auburndale Power Plant | FL | 54658 | 165.7 | 116.0 | September 3, 2003 | ArcLight Energy Partners Fund I LP |
| Dynegy | Tenaska III Texas Partners | TX | 50109 | 233.0 | 37.3 | September 23, 2003 | Tenaska |
| Dynegy | Tenaska Washington Partners LP | WA | 54537 | 271.0 | 13.6 | September 23, 2003 | Tenaska |
| Dynegy | Tenaska Frontier Generation Station | TX | 55062 | 860.0 | 86.0 | September 23, 2003 | Tenaska |
| Black Hills Corp | Warrensburg Hydroelectric | NY | 10218 | 0.5 | 0.5 | September 30, 2003 | Boralex |
| Black Hills Corp | Middle Falls Hydro | NY | 10219 | 0.8 | 0.8 | September 30, 2003 | Boralex |
| Black Hills Corp | Sissonville Hydro | NY | 10220 | 1.2 | 1.2 | September 30, 2003 | Boralex |
| Black Hills Corp | New York State Dam Hydro | NY | 10221 | 2.8 | 2.8 | September 30, 2003 | Boralex |
| Black Hills Corp | Fourth Branch Hydroelectric Facility | NY | 10467 | 0.8 | 0.8 | September 30, 2003 | Boralex |
| Black Hills Corp | South Glens Falls Hydroelectric | NY | 54772 | 6.0 | 6.0 | September 30, 2003 | Boralex |
| Black Hills Corp | Hudson Falls Hydroelectric Project | NY | 54953 | 16.5 | 16.5 | September 30, 2003 | Boralex |
| TECO Energy | Hardee Power Station | FL | 50949 | 358.0 | 358.0 | October 2, 2003 | Invenergy LLC; GTCR Golder Rauner LLC |
| Reliant Resources | Desert Basin | AZ | 55129 | 598.0 | 598.0 | October 15, 2003 | Salt River Project |
| El Paso Merchant Energy | Linden Cogen Plant | NJ | 50006 | 899.8 | 899.8 | October 16, 2003 | Goldman Sachs |
| Mirant | Birchwood Power | VA | 54304 | 237.8 | 117.7 | November 4, 2003 | General Electric |
| Cogentrix Energy | Rathdrum | ID | 7456 | 136.0 | 69.4 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Logan Generating Plant | NJ | 10043 | 219.0 | 109.5 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix Portsmouth | VA | 10071 | 115.0 | 115.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | John B Rich Memorial Power Station | PA | 10113 | 80.0 | 15.7 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix Hopewell | VA | 10377 | 92.6 | 46.3 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix Southport | NC | 10378 | 107.0 | 107.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix Roxboro | NC | 10379 | 56.0 | 56.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix Dwayne Collier Battle Cogen | NC | 10384 | 105.0 | 105.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Chambers Cogeneration LP | NJ | 10566 | 262.0 | 26.2 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cedar Bay Generating LP | FL | 10672 | 250.0 | 40.0 | December 19, 2003 | Goldman Sachs |

Table ES4. Plants Sold and Transferred in 2003 and 2004 (Continued)

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|-----------------------------|--------------------------------------|-------|--------------|---------------------------------|---------------------|--------------------------|---|
| | | | | Plant Total | Sold or Transferred | | |
| Cogentrix Energy | Selkirk Cogen Partners LP | NY | 10725 | 367.0 | 18.7 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Masspower | MA | 10726 | 231.5 | 3.7 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Morgantown Energy Facility | WV | 10743 | 50.0 | 7.5 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Pittsfield Generating LP | MA | 50002 | 141.0 | 15.4 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Panther Creek Energy Facility | PA | 50776 | 83.0 | 10.1 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Northhampton Generating LP | PA | 50888 | 112.0 | 56.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Scrubgrass Generating | PA | 50974 | 85.0 | 17.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Indiantown Cogen Facility | FL | 50976 | 330.0 | 165.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix of Richmond | VA | 54081 | 190.0 | 190.0 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Birchwood Power | VA | 54304 | 237.8 | 118.9 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix LSP Cottage Grove | MN | 55010 | 251.0 | 183.7 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Cogentrix Whitewater Cogen Facility | WI | 55011 | 251.0 | 186.2 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Green Country Energy LLC | OK | 55146 | 778.5 | 77.9 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Caledonia | MS | 55197 | 684.3 | 684.3 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Southaven Energy LLC | MS | 55269 | 689.1 | 689.1 | December 19, 2003 | Goldman Sachs |
| Cogentrix Energy | Ouachita Generating Plant | LA | 55467 | 816.0 | 408.0 | December 19, 2003 | Goldman Sachs |
| Aquila | Prime Energy LP | NJ | 50852 | 64.9 | 32.5 | January 1, 2004 | Rockland Capital Energy Investments LLC |
| Calpine Corp | Lost Pines 1 Power Project | TX | 55154 | 519.0 | 259.5 | January 16, 2004 | Lower Colorado River Authority |
| Tractebel North America | Ripon Mill | CA | 50299 | 46.5 | 46.5 | February 5, 2004 | Rockland Capital Energy Investments LLC |
| Tractebel North America | San Gabriel Facility | CA | 50300 | 39.0 | 39.0 | February 5, 2004 | Rockland Capital Energy Investments LLC |
| Green Power Energy Holdings | Cogentrix Kenansville | NC | 10381 | 32.4 | 32.4 | February 10, 2004 | Lightyear Capital LLC |
| Aquila | Rumford Cogeneration | ME | 10495 | 85.0 | 20.7 | March 22, 2004 | Green Power Energy Holdings |
| Aquila | Stockton Cogen | CA | 10640 | 54.0 | 27.0 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Badger Creek Cogen | CA | 10650 | 46.0 | 22.4 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Selkirk Cogen Partners LP | NY | 10725 | 367.0 | 73.0 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Pejepscot Hydroelectric Project | ME | 50758 | 13.0 | 6.5 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Onondaga Cogeneration | NY | 50855 | 93.0 | 93.0 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Koma Kulshan Associates | WA | 54267 | 2.7 | 1.3 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Lake Cogen Ltd | FL | 54423 | 110.0 | 109.9 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Pasco Cogen Ltd | FL | 54424 | 119.1 | 59.4 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Orlando Cogen LP | FL | 54466 | 114.2 | 57.1 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Mid-Georgia Cogeneration Facility | GA | 55040 | 316.0 | 158.0 | March 22, 2004 | ArcLight Capital Partners |
| Aquila | Aries Power Project | MO | 55178 | 481.0 | 240.5 | March 30, 2004 | Calpine Corp |
| Brazos Valley Energy | Brazos Valley Generating Facility | TX | 55357 | 525.0 | 525.0 | April 1, 2004 | Calpine Corp |
| Perry Verdex | Pepperell Paper | MA | 10694 | 1.5 | 1.5 | April 1, 2004 | Swift River Company |
| Duke Energy | Vermillion Energy Facility | IN | 55111 | 560.0 | 140.0 | May 3, 2004 | Wabash Valley Power Association |
| EPCOR Utilities | Frederickson Power LP | WA | 55818 | 254.5 | 126.9 | May 5, 2004 | Puget Energy |
| TransCanada Corp | Curtis Palmer Hydroelectric | NY | 54580 | 59.6 | 59.6 | May 5, 2004 | TransCanada Power LP |
| TransCanada Corp | Manchief Electric Generating Station | CO | 55127 | 264.0 | 264.0 | May 5, 2004 | TransCanada Power LP |
| BAF Energy A California LP | King City Power Plant | CA | 10294 | 111.0 | 111.0 | May 20, 2004 | Calpine Power Income Fund |
| FPL Energy | Bastrop Energy Center | TX | 55168 | 615 | 615 | June 2, 2004 | Centrica |
| Rochester Gas & Electric | Gienna | NY | 6122 | 497.7 | 497.7 | June 10, 2004 | Constellation Energy |
| IBM | Craig | CO | 6021 | 1264 | 204 | June 30, 2004 | Tri-State |
| TECO | Hamakua | HI | 55369 | 66 | 33 | July 19, 2004 | Black River Energy |
| El Paso Merchant Energy | Badger Creek | CA | 10650 | 46 | 12 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Bear Mountain | CA | 10649 | 46 | 23 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Chalk Cliff | CA | 50003 | 46 | 23 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Corona | CA | 10635 | 40 | 8 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Crockett | CA | 55084 | 247 | 12 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Double "C" | CA | 50493 | 46 | 12 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | High Sierra | CA | 50495 | 46 | 12 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Kern Front | CA | 50494 | 46 | 12 | July 23, 2004 | Redwood LLC |
| El Paso Merchant Energy | Live Oak | CA | 54768 | 46 | 23 | July 23, 2004 | Redwood LLC |

Table ES4. Plants Sold and Transferred in 2003 and 2004 (Continued)

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|--------------------------------|--------------------------------|-------|--------------|---------------------------------|---------------------|--------------------------|--|
| | | | | Plant Total | Sold or Transferred | | |
| Texas Independent Energy | Odessa | TX | 55215 | 1135 | 567 | August 30, 2004 | PSEG Global |
| Texas Independent Energy | Guadalupe | TX | 55153 | 1142 | 571 | August-30, 2004 | PSEG Global |
| Alliant Energy | Kewaunee | WI | 8024 | 498.0 | 204.2 | 3Q 2004 | Dominion Resources |
| American Electric Power | E S Joslin | TX | 3436 | 254.0 | 254.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Eagle Pass | TX | 3437 | 6.0 | 6.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | J L Bates | TX | 3438 | 182.0 | 182.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Laredo | TX | 3439 | 178.0 | 178.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Lon C Hill | TX | 3440 | 559.0 | 559.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Nueces Bay | TX | 3441 | 559.0 | 559.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | La Palma | TX | 3442 | 255.0 | 255.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Victoria | TX | 3443 | 491.0 | 491.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Barney M Davis | TX | 4939 | 697.0 | 697.0 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Coletto Creek | TX | 6178 | 600.4 | 600.4 | 3Q 2004 | Sempra Energy Partners; Carlyle/Riverstone Global Energy and Power Fund II, LP |
| American Electric Power | Brush II | CO | 10683 | 72.0 | 34.4 | 3Q 2004 | Bear Stearns |
| American Electric Power | Thermo Power & Electric | CO | 50676 | 272.0 | 136.0 | 3Q 2004 | Bear Stearns |
| American Electric Power | Orange Cogeneration Facility | FL | 54365 | 117.5 | 58.7 | 3Q 2004 | Bear Stearns |
| American Electric Power | Mulberry Cogeneration Facility | FL | 54426 | 152.6 | 70.6 | 3Q 2004 | Bear Stearns |
| Duke Energy | New Albany Energy Facility | MS | 55080 | 360.0 | 360.0 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Hinds Energy Facility | MS | 55218 | 450.0 | 450.0 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Southaven Energy Facility | MS | 55219 | 624.0 | 624.0 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Marshall Energy Facility | KY | 55232 | 544.0 | 544.0 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Enterprise Energy Facility | MS | 55373 | 600.0 | 600.0 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Murray Energy Facility | GA | 55382 | 1244.0 | 1244.0 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Hot Spring Energy Facility | AR | 55418 | 651.6 | 651.6 | 3Q 2004 | KGen Partners LLC |
| Duke Energy | Sandersville Energy Facility | GA | 55672 | 624.0 | 624.0 | 3Q 2004 | KGen Partners LLC |
| WPS Resources | Kewaunee | WI | 8024 | 498.0 | 293.8 | 3Q 2004 | Dominion Resources |
| PG&E National Energy Group | Lake Road Generating Plant | CT | 55149 | 695.8 | 695.8 | July 30, 2004 | Lender syndicate |
| PG&E National Energy Group | La Paloma Generating LLC | CA | 55151 | 1029.0 | 1029.0 | July 30, 2004 | Lender syndicate |
| TECO Energy | Gila River Power Station | AZ | 55306 | 2148.0 | 2148.0 | September 30, 2004 | Lender syndicate |
| TECO Energy | Union Power Station | AR | 55314 | 2084.7 | 2084.7 | September 30, 2004 | Lender syndicate |
| American Electric Power | Oklunion | TX | 127 | 690.0 | 53.8 | 4Q 2004 | Brownsville Public Utility Board |
| Texas-New Mexico Power | Twin Oaks Power One | TX | 7030 | 305.0 | 305.0 | October 1, 2004 | Sempra Energy Resources |
| U S Gen New England | Bellows Falls | VT | 3745 | 40.8 | 40.8 | October 1, 2004 | Rockingham City of |
| Calpine Corp | Gordonsville Energy LP | VA | 54844 | 224.0 | 112.0 | November 26, 2004 | Dominion Virginia Power |
| Edison International | Gordonsville Energy LP | VA | 54844 | 224.0 | 112.0 | November 26, 2004 | Dominion Virginia Power |
| Perryville Energy Partners LLC | Perryville Power Station | LA | 55620 | 718.0 | 718.0 | December 1, 2004 | Entergy Louisiana |
| PPL Corp | PPL Sundance Energy LLC | AZ | 55522 | 383.0 | 383.0 | 1Q 2005 | Pinnacle West Capital Corp. |
| PPL Sundance Energy LLC | PPL Sundance Energy LLC | AZ | 55522 | 383.0 | 383.0 | 1Q 2005 | Arizona Public Service |
| American Electric Power | South Texas Project | TX | 6251 | 2529.0 | 637.3 | Pending | City Public Service Board of San Antonio; Texas Generation Co. |
| Cincinnati Gas & Electric Co | Miami Fort Unit 6 | OH | 2832 | 163.0 | 163.0 | Pending | Union Light Heat & Power |
| Cincinnati Gas & Electric Co | East Bend | KY | 6018 | 600.0 | 414.0 | Pending | Union Light Heat & Power |

Table ES4. Plants Sold and Transferred in 2003 and 2004 (Continued)

| Seller | Plant | State | EIA Plant ID | Net Summer Capacity (Megawatts) | | Transaction Closing Date | Buyer |
|---------------------------------|-------------------------------|-------|--------------|---------------------------------|---------------------|--------------------------|--------------------------|
| | | | | Plant Total | Sold or Transferred | | |
| Cincinnati Gas & Electric Co | Woodsdale | OH | 7158 | 462.0 | 462.0 | Pending | Union Light Heat & Power |
| NRG Energy | McClain Energy Facility | OK | 55457 | 400.0 | 308.0 | Pending | Oklahoma Gas & Electric |
| PG&E National Energy Group | Millennium Power | MA | 55079 | 337.8 | 337.8 | Pending | Lender syndicate |
| PG&E National Energy Group | Covert Generating Project | MI | 55297 | 1058.4 | 1058.4 | Pending | Lender syndicate |
| PG&E National Energy Group | Harquahala Generating Project | AZ | 55372 | 418.0 | 418.0 | Pending | Lender syndicate |
| PG&E National Energy Group | Athens Generating LP | NY | 55405 | 1038.0 | 1038.0 | Pending | Lender syndicate |
| United American Energy Holdings | Mecklenburg Cogen Facility | VA | 52007 | 132.0 | 132.0 | Pending | Dominion Resources |
| Texas GenCo | Limestone | TX | 298 | 1602 | 1602 | Pending | GC Power Acquisition |
| Texas GenCo | Cedar Bayou | TX | 3460 | 2258 | 2258 | Pending | GC Power Acquisition |
| Texas GenCo | Greens Bayou | TX | 3464 | 760 | 760 | Pending | GC Power Acquisition |
| Texas GenCo | PH Robinson | TX | 3466 | 2211 | 2211 | Pending | GC Power Acquisition |
| Texas GenCo | Sam Bertron | TX | 3468 | 844 | 844 | Pending | GC Power Acquisition |
| Texas GenCo | TH Wharton | TX | 3469 | 1254 | 1254 | Pending | GC Power Acquisition |
| Texas GenCo | WA Parish | TX | 3470 | 3653 | 3653 | Pending | GC Power Acquisition |
| Texas GenCo | Webster | TX | 3471 | 387 | 387 | Pending | GC Power Acquisition |
| Texas GenCo | South Texas Project | TX | 6251 | 2560 | 1126 | Pending | GC Power Acquisition |
| Texas GenCo | Deepwater | TX | 3461 | 174 | 174 | Pending | GC Power Acquisition |
| Texas GenCo | HO Clarke | TX | 3465 | 78 | 78 | Pending | GC Power Acquisition |
| Texas GenCo | San Jacinto | TX | 7325 | 162 | 162 | Pending | GC Power Acquisition |
| Duke Energy | Moapa | NV | 55322 | 668 | 668 | Pending | Nevada Power |
| Sempra Energy Resources | Palomar | CA | 55985 | 559 | 559 | Pending | San Diego Gas & Electric |

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.

Sources: 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), 1990 through August 2004
(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 |
|---|-------------------|--------------------------------|----------------|----------------|--------------------------|----------------|----------------------------|-------------------------------|------------------------------|--------------------|------------------|
| 1990..... | 1,594,011 | 122,206 | 4,415 | 372,765 | 10,383 | 576,862 | 292,866 | 64,372 | -3,508 | 3,616 | 3,037,988 |
| 1991..... | 1,590,623 | 115,652 | 4,100 | 381,553 | 11,336 | 612,565 | 288,994 | 68,779 | -4,541 | 4,739 | 3,073,799 |
| 1992..... | 1,621,206 | 94,110 | 6,044 | 404,074 | 13,270 | 618,776 | 253,088 | 73,770 | -4,177 | 3,720 | 3,083,882 |
| 1993..... | 1,690,070 | 104,387 | 8,401 | 414,927 | 12,956 | 610,291 | 280,494 | 76,213 | -4,036 | 3,487 | 3,197,191 |
| 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 | 77,985 | -8,823 | 4,690 | 3,736,644 |
| 2002 | | | | | | | | | | | |
| January..... | 164,358 | 5,434 | 1,257 | 48,413 | 923 | 70,926 | 21,795 | 7,244 | -750 | 343 | 319,941 |
| February..... | 143,049 | 4,388 | 1,275 | 44,308 | 760 | 61,658 | 20,192 | 6,379 | -586 | 402 | 281,826 |
| March..... | 151,486 | 6,937 | 1,280 | 51,214 | 904 | 63,041 | 21,009 | 7,003 | -684 | 359 | 302,549 |
| April..... | 142,305 | 6,535 | 1,299 | 49,146 | 890 | 58,437 | 24,247 | 7,152 | -585 | 423 | 289,848 |
| May..... | 151,406 | 6,664 | 1,462 | 50,275 | 910 | 63,032 | 26,663 | 7,437 | -539 | 363 | 307,675 |
| June..... | 164,668 | 6,429 | 1,367 | 65,631 | 1,009 | 66,372 | 28,213 | 7,737 | -863 | 461 | 341,023 |
| July..... | 183,195 | 8,507 | 1,406 | 83,917 | 1,071 | 70,421 | 25,471 | 7,767 | -998 | 786 | 381,542 |
| August..... | 179,955 | 8,194 | 1,543 | 84,477 | 1,117 | 70,778 | 21,084 | 7,744 | -935 | 629 | 374,586 |
| September..... | 165,366 | 6,670 | 1,405 | 68,161 | 1,053 | 64,481 | 17,087 | 7,238 | -777 | 595 | 331,279 |
| October..... | 159,099 | 6,910 | 1,206 | 54,201 | 908 | 60,493 | 17,171 | 7,183 | -681 | 569 | 307,059 |
| November..... | 156,054 | 5,174 | 1,113 | 45,161 | 894 | 61,520 | 19,730 | 6,884 | -666 | 426 | 296,290 |
| December..... | 172,190 | 6,859 | 1,252 | 46,100 | 1,025 | 68,905 | 21,669 | 7,153 | -680 | 360 | 324,834 |
| Total..... | 1,933,130 | 78,701 | 15,867 | 691,006 | 11,463 | 780,064 | 264,329 | 86,922 | -8,743 | 5,714 | 3,858,452 |
| 2003 | | | | | | | | | | | |
| January..... | 180,632 | 11,139 | 1,198 | 48,684 | 908 | 69,211 | 19,714 | 6,432 | -760 | 344 | 337,504 |
| February..... | 156,063 | 9,548 | 1,012 | 43,291 | 730 | 60,942 | 19,630 | 6,038 | -774 | 256 | 296,735 |
| March..... | 154,690 | 9,446 | 877 | 45,901 | 900 | 59,933 | 24,349 | 7,254 | -797 | 533 | 303,087 |
| April..... | 141,676 | 6,899 | 1,249 | 43,341 | 734 | 56,776 | 25,002 | 7,100 | -554 | 498 | 282,721 |
| May..... | 149,296 | 6,793 | 1,178 | 47,854 | 757 | 62,194 | 29,928 | 6,709 | -619 | 460 | 304,550 |
| June..... | 161,009 | 9,518 | 1,449 | 51,899 | 863 | 64,181 | 28,500 | 7,006 | -780 | 397 | 324,042 |
| July..... | 182,761 | 10,446 | 1,657 | 74,809 | 898 | 69,653 | 24,681 | 7,214 | -755 | 419 | 371,782 |
| August..... | 185,595 | 10,742 | 1,603 | 80,665 | 818 | 69,024 | 22,837 | 6,910 | -818 | 552 | 377,929 |
| September..... | 163,589 | 7,174 | 1,542 | 54,833 | 830 | 63,584 | 18,215 | 6,449 | -785 | 369 | 315,800 |
| October..... | 159,162 | 6,963 | 1,636 | 50,604 | 1,037 | 60,016 | 18,310 | 7,165 | -634 | 451 | 304,711 |
| November..... | 158,824 | 4,849 | 1,586 | 44,515 | 1,233 | 59,600 | 19,733 | 8,133 | -715 | 406 | 298,165 |
| December..... | 176,975 | 8,025 | 1,728 | 42,810 | 1,229 | 68,612 | 24,107 | 7,766 | -677 | 393 | 330,967 |
| Total..... | 1,970,273 | 101,542 | 16,714 | 629,207 | 10,937 | 763,725 | 275,007 | 84,174 | -8,668 | 5,078 | 3,847,990 |
| 2004 | | | | | | | | | | | |
| January..... | 181,842 | 13,171 | 1,725 | 45,585 | 1,262 | 70,789 | 23,228 | 7,267 | -753 | 302 | 344,419 |
| February..... | 162,857 | 7,472 | 1,451 | 48,111 | 1,181 | 64,103 | 21,172 | 6,910 | -642 | 228 | 312,843 |
| March..... | 153,976 | 7,928 | 1,455 | 47,394 | 1,264 | 63,285 | 23,012 | 7,351 | -683 | 224 | 305,207 |
| April..... | 141,790 | 7,304 | 1,467 | 49,485 | 1,322 | 58,635 | 21,110 | 7,317 | -670 | 218 | 287,978 |
| May..... | 157,585 | 8,548 | 1,554 | 59,612 | 1,275 | 64,917 | 23,988 | 7,846 | -664 | 247 | 324,908 |
| June..... | 166,740 | 9,160 | 1,428 | 62,578 | 1,332 | 67,787 | 25,258 | 7,510 | -676 | 264 | 341,381 |
| July..... | 180,015 | 10,254 | 1,521 | 76,329 | 1,288 | 71,975 | 23,213 | 7,659 | -663 | 363 | 371,953 |
| August..... | 178,763 | 9,102 | 1,689 | 75,707 | 1,295 | 71,064 | 21,638 | 7,507 | -805 | 311 | 366,270 |
| Total..... | 1,323,568 | 72,939 | 12,291 | 464,801 | 10,219 | 532,557 | 182,617 | 59,365 | -5,556 | 2,156 | 2,654,959 |
| Year-to-Date | | | | | | | | | | | |
| 2002..... | 1,280,421 | 53,088 | 10,890 | 477,383 | 7,582 | 524,664 | 188,672 | 58,464 | -5,940 | 3,765 | 2,598,990 |
| 2003..... | 1,311,723 | 74,532 | 10,223 | 436,444 | 6,608 | 511,913 | 194,641 | 54,662 | -5,858 | 3,460 | 2,598,348 |
| 2004..... | 1,323,568 | 72,939 | 12,291 | 464,801 | 10,219 | 532,557 | 182,617 | 59,365 | -5,556 | 2,156 | 2,654,959 |
| Rolling 12 Months Ending in August | | | | | | | | | | | |
| 2003..... | 1,964,432 | 100,144 | 15,200 | 650,068 | 10,488 | 767,313 | 270,298 | 83,120 | -8,661 | 5,409 | 3,857,810 |
| 2004..... | 1,982,118 | 99,950 | 18,782 | 657,564 | 14,548 | 784,368 | 262,983 | 88,878 | -8,366 | 3,775 | 3,904,601 |

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

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, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

⁵ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 1.1.A. Net Generation by Other Renewables: Total (All Sectors), 1990 through August 2004
(Thousand Megawatthours)

| Period | Wood ¹ | Waste ² | Geothermal | Solar | Wind | Total |
|---|-------------------|--------------------|---------------|------------|---------------|---------------|
| 1990..... | 32,522 | 13,260 | 15,434 | 367 | 2,789 | 64,372 |
| 1991..... | 33,725 | 15,665 | 15,966 | 472 | 2,951 | 68,779 |
| 1992..... | 36,529 | 17,816 | 16,138 | 400 | 2,888 | 73,770 |
| 1993..... | 37,623 | 18,333 | 16,789 | 462 | 3,006 | 76,213 |
| 1994..... | 37,937 | 19,129 | 15,535 | 487 | 3,447 | 76,535 |
| 1995..... | 36,521 | 20,405 | 13,378 | 497 | 3,164 | 73,965 |
| 1996..... | 36,800 | 20,911 | 14,329 | 521 | 3,234 | 75,796 |
| 1997..... | 36,948 | 21,709 | 14,726 | 511 | 3,288 | 77,183 |
| 1998..... | 36,338 | 22,448 | 14,774 | 502 | 3,026 | 77,088 |
| 1999..... | 37,041 | 22,572 | 14,827 | 495 | 4,488 | 79,423 |
| 2000..... | 37,595 | 23,131 | 14,093 | 493 | 5,593 | 80,906 |
| 2001..... | 35,200 | 21,765 | 13,741 | 543 | 6,737 | 77,985 |
| 2002 | | | | | | |
| January..... | 3,255 | 1,879 | 1,287 | 11 | 811 | 7,244 |
| February..... | 2,844 | 1,666 | 1,132 | 24 | 714 | 6,379 |
| March..... | 2,961 | 1,901 | 1,245 | 44 | 852 | 7,003 |
| April..... | 3,196 | 1,771 | 1,115 | 46 | 1,024 | 7,152 |
| May..... | 3,161 | 1,925 | 1,216 | 58 | 1,078 | 7,437 |
| June..... | 3,395 | 1,969 | 1,151 | 96 | 1,126 | 7,737 |
| July..... | 3,440 | 2,088 | 1,262 | 86 | 890 | 7,767 |
| August..... | 3,369 | 2,096 | 1,227 | 75 | 977 | 7,744 |
| September..... | 3,313 | 1,941 | 1,195 | 53 | 736 | 7,238 |
| October..... | 3,346 | 1,837 | 1,235 | 31 | 734 | 7,183 |
| November..... | 3,161 | 1,849 | 1,189 | 28 | 656 | 6,884 |
| December..... | 3,222 | 1,934 | 1,236 | 4 | 755 | 7,153 |
| Total..... | 38,665 | 22,857 | 14,491 | 555 | 10,354 | 86,922 |
| 2003 | | | | | | |
| January..... | 2,976 | 1,741 | 1,144 | 13 | 558 | 6,432 |
| February..... | 2,681 | 1,619 | 1,028 | 18 | 692 | 6,038 |
| March..... | 3,151 | 1,928 | 1,118 | 50 | 1,008 | 7,254 |
| April..... | 2,992 | 1,905 | 1,043 | 60 | 1,099 | 7,100 |
| May..... | 2,792 | 1,923 | 1,035 | 68 | 891 | 6,709 |
| June..... | 2,942 | 1,917 | 1,092 | 91 | 964 | 7,006 |
| July..... | 3,109 | 2,027 | 1,099 | 63 | 917 | 7,214 |
| August..... | 3,009 | 1,965 | 1,096 | 62 | 779 | 6,910 |
| September..... | 2,714 | 1,770 | 1,086 | 56 | 824 | 6,449 |
| October..... | 3,194 | 1,948 | 1,077 | 36 | 909 | 7,165 |
| November..... | 4,064 | 1,975 | 1,085 | 14 | 995 | 8,133 |
| December..... | 3,329 | 2,092 | 1,246 | 4 | 1,095 | 7,766 |
| Total..... | 36,951 | 22,811 | 13,149 | 535 | 10,729 | 84,174 |
| 2004 | | | | | | |
| January..... | 3,216 | 1,866 | 1,254 | 12 | 918 | 7,267 |
| February..... | 3,038 | 1,709 | 1,177 | 18 | 967 | 6,910 |
| March..... | 3,041 | 1,870 | 1,199 | 53 | 1,187 | 7,351 |
| April..... | 3,016 | 1,889 | 1,119 | 57 | 1,236 | 7,317 |
| May..... | 2,935 | 2,022 | 1,172 | 81 | 1,635 | 7,846 |
| June..... | 2,926 | 1,946 | 1,190 | 88 | 1,360 | 7,510 |
| July..... | 3,214 | 2,027 | 1,241 | 82 | 1,096 | 7,659 |
| August..... | 3,207 | 2,011 | 1,219 | 73 | 997 | 7,507 |
| Total..... | 24,593 | 15,341 | 9,571 | 463 | 9,396 | 59,365 |
| Year-to-Date | | | | | | |
| 2002..... | 25,622 | 15,295 | 9,635 | 439 | 7,473 | 58,464 |
| 2003..... | 23,651 | 15,025 | 8,655 | 425 | 6,906 | 54,662 |
| 2004..... | 24,593 | 15,341 | 9,571 | 463 | 9,396 | 59,365 |
| Rolling 12 Months Ending in August | | | | | | |
| 2003..... | 36,694 | 22,587 | 13,511 | 541 | 9,787 | 83,120 |
| 2004..... | 37,893 | 23,127 | 14,065 | 573 | 13,219 | 88,878 |

¹ Wood, black liquor, and other wood waste.

² Municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, and other biomass.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 1.2. Net Generation by Energy Source: Electric Utilities, 1990 through August 2004
(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 |
|---|-------------------|--------------------------------|----------------|----------------|--------------------------|----------------|----------------------------|-------------------------------|------------------------------|--------------------|------------------|
| 1990..... | 1,559,606 | 115,483 | 1,534 | 264,089 | -- | 576,862 | 283,434 | 10,651 | -3,508 | -- | 2,808,151 |
| 1991..... | 1,551,167 | 110,135 | 1,328 | 264,172 | -- | 612,565 | 280,061 | 10,137 | -4,541 | -- | 2,825,023 |
| 1992..... | 1,575,895 | 86,984 | 1,933 | 263,872 | -- | 618,776 | 243,736 | 10,200 | -4,177 | -- | 2,797,219 |
| 1993..... | 1,639,151 | 96,475 | 3,064 | 258,915 | -- | 610,291 | 269,098 | 9,565 | -4,036 | -- | 2,882,525 |
| 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 | 2,152 | -7,704 | -- | 2,629,946 |
| 2002 | | | | | | | | | | | |
| January..... | 129,338 | 3,685 | 468 | 15,216 | 20 | 46,960 | 20,353 | 294 | -650 | -- | 215,684 |
| February..... | 112,211 | 2,768 | 474 | 13,839 | 8 | 40,348 | 18,511 | 280 | -511 | -- | 187,929 |
| March..... | 118,374 | 4,635 | 452 | 16,419 | 15 | 42,230 | 19,010 | 293 | -597 | -- | 200,833 |
| April..... | 111,068 | 4,861 | 413 | 16,989 | 10 | 39,054 | 21,895 | 253 | -504 | -- | 194,038 |
| May..... | 120,365 | 5,045 | 654 | 17,955 | 17 | 40,469 | 24,086 | 270 | -423 | -- | 208,436 |
| June..... | 130,586 | 4,537 | 675 | 23,657 | 17 | 42,988 | 25,956 | 269 | -745 | -- | 227,940 |
| July..... | 144,203 | 5,291 | 547 | 29,533 | 18 | 46,101 | 23,863 | 293 | -888 | -- | 248,962 |
| August..... | 141,107 | 5,216 | 595 | 29,270 | 17 | 45,960 | 19,769 | 312 | -796 | -- | 241,449 |
| September..... | 129,328 | 4,711 | 609 | 23,321 | 19 | 41,859 | 15,918 | 319 | -675 | -- | 215,408 |
| October..... | 123,870 | 4,669 | 492 | 17,926 | 14 | 39,233 | 15,716 | 329 | -544 | -- | 201,705 |
| November..... | 120,938 | 3,409 | 414 | 13,302 | 31 | 38,577 | 17,754 | 311 | -532 | -- | 194,205 |
| December..... | 133,281 | 4,012 | 494 | 12,212 | 20 | 43,601 | 19,471 | 345 | -568 | -- | 212,868 |
| Total..... | 1,514,670 | 52,838 | 6,286 | 229,639 | 206 | 507,380 | 242,302 | 3,569 | -7,434 | -- | 2,549,457 |
| 2003 | | | | | | | | | | | |
| January..... | 139,501 | 5,688 | 516 | 13,994 | 1 | 42,871 | 17,817 | 209 | -664 | -- | 219,933 |
| February..... | 120,558 | 4,341 | 558 | 12,299 | 1 | 37,995 | 18,026 | 189 | -677 | -- | 193,289 |
| March..... | 120,068 | 5,130 | 385 | 13,460 | 1 | 36,786 | 21,832 | 220 | -689 | -- | 197,193 |
| April..... | 111,086 | 4,208 | 487 | 14,341 | 1 | 34,524 | 22,302 | 198 | -466 | -- | 186,681 |
| May..... | 119,945 | 5,297 | 508 | 16,841 | * | 37,483 | 26,682 | 213 | -534 | -- | 206,434 |
| June..... | 128,091 | 6,725 | 665 | 17,735 | * | 39,157 | 26,040 | 187 | -667 | -- | 217,934 |
| July..... | 143,686 | 6,798 | 733 | 24,580 | * | 44,171 | 22,730 | 219 | -659 | -- | 242,259 |
| August..... | 144,742 | 6,679 | 681 | 26,020 | * | 43,465 | 20,661 | 206 | -716 | -- | 241,738 |
| September..... | 129,152 | 5,233 | 614 | 17,051 | * | 39,977 | 16,494 | 194 | -688 | -- | 208,026 |
| October..... | 124,866 | 5,186 | 770 | 13,806 | * | 37,740 | 16,218 | 197 | -540 | -- | 198,244 |
| November..... | 123,917 | 3,199 | 587 | 13,574 | * | 37,120 | 17,231 | 206 | -606 | -- | 195,230 |
| December..... | 137,818 | 4,668 | 660 | 12,605 | 1 | 43,220 | 21,114 | 312 | -572 | -- | 219,826 |
| Total..... | 1,543,430 | 63,152 | 7,165 | 196,305 | 6 | 474,509 | 247,147 | 2,550 | -7,478 | -- | 2,526,786 |
| 2004 | | | | | | | | | | | |
| January..... | 141,308 | 5,345 | 747 | 13,172 | * | 45,179 | 20,587 | 295 | -636 | -- | 225,998 |
| February..... | 124,715 | 4,250 | 642 | 13,418 | * | 40,660 | 19,164 | 276 | -570 | -- | 202,557 |
| March..... | 118,190 | 4,562 | 547 | 12,986 | 1 | 40,058 | 20,551 | 303 | -608 | -- | 196,589 |
| April..... | 110,031 | 4,492 | 497 | 14,329 | * | 38,380 | 18,479 | 253 | -602 | -- | 185,859 |
| May..... | 125,407 | 5,565 | 687 | 17,727 | * | 40,881 | 21,340 | 276 | -585 | -- | 211,298 |
| June..... | 132,556 | 6,315 | 610 | 19,363 | * | 42,475 | 23,196 | 267 | -595 | -- | 224,187 |
| July..... | 141,833 | 6,954 | 679 | 23,703 | 1 | 45,706 | 21,254 | 309 | -592 | -- | 239,847 |
| August..... | 136,296 | 6,027 | 786 | 21,653 | 1 | 42,797 | 19,478 | 292 | -719 | -- | 226,611 |
| Total..... | 1,030,336 | 43,509 | 5,195 | 136,352 | 3 | 336,137 | 164,050 | 2,272 | -4,908 | -- | 1,712,946 |
| Year-to-Date | | | | | | | | | | | |
| 2002..... | 1,007,252 | 36,038 | 4,278 | 162,878 | 123 | 344,110 | 173,442 | 2,265 | -5,115 | -- | 1,725,271 |
| 2003..... | 1,027,677 | 44,866 | 4,534 | 139,269 | 4 | 316,452 | 176,089 | 1,642 | -5,071 | -- | 1,705,461 |
| 2004..... | 1,030,336 | 43,509 | 5,195 | 136,352 | 3 | 336,137 | 164,050 | 2,272 | -4,908 | -- | 1,712,946 |
| Rolling 12 Months Ending in August | | | | | | | | | | | |
| 2003..... | 1,535,094 | 61,666 | 6,543 | 206,031 | 88 | 479,722 | 244,949 | 2,945 | -7,390 | -- | 2,529,647 |
| 2004..... | 1,546,090 | 61,795 | 7,826 | 193,387 | 5 | 494,194 | 235,107 | 3,181 | -7,314 | -- | 2,534,271 |

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

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, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

⁵ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, 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" and values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 1.3. Net Generation by Energy Source: Independent Power Producers, 1990 through August 2004
(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 |
|---|-------------------|--------------------------------|----------------|----------------|--------------------------|----------------|----------------------------|-------------------------------|------------------------------|--------------------|------------------|
| 1990..... | 12,503 | 1,355 | 492 | 45,397 | 621 | -- | 6,319 | 26,471 | -- | 12 | 93,171 |
| 1991..... | 17,679 | 648 | 687 | 53,602 | 719 | -- | 5,959 | 30,842 | -- | 403 | 110,538 |
| 1992..... | 21,818 | 1,949 | 1,372 | 70,403 | 1,212 | -- | 6,280 | 33,640 | -- | 480 | 137,154 |
| 1993..... | 26,313 | 2,295 | 3,592 | 83,307 | 967 | -- | 8,425 | 36,067 | -- | 408 | 161,372 |
| 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 | 46,648 | -1,119 | -- | 950,107 |
| 2002 | | | | | | | | | | | |
| January..... | 33,182 | 1,433 | 679 | 25,611 | 182 | 23,966 | 1,146 | 4,286 | -100 | 102 | 90,487 |
| February..... | 29,219 | 1,347 | 711 | 23,694 | 98 | 21,310 | 1,401 | 3,723 | -75 | 119 | 81,547 |
| March..... | 31,350 | 1,994 | 744 | 27,457 | 146 | 20,810 | 1,722 | 4,312 | -88 | 43 | 88,490 |
| April..... | 29,430 | 1,400 | 790 | 25,711 | 120 | 19,383 | 2,035 | 4,155 | -80 | 144 | 83,088 |
| May..... | 29,281 | 1,346 | 722 | 25,246 | 111 | 22,564 | 2,289 | 4,477 | -116 | 161 | 86,081 |
| June..... | 32,150 | 1,623 | 593 | 35,029 | 123 | 23,384 | 2,001 | 4,594 | -118 | 233 | 99,613 |
| July..... | 36,799 | 2,925 | 741 | 46,858 | 180 | 24,319 | 1,333 | 4,586 | -109 | 387 | 118,018 |
| August..... | 36,855 | 2,704 | 835 | 47,666 | 185 | 24,818 | 1,037 | 4,582 | -139 | 359 | 118,902 |
| September..... | 34,169 | 1,690 | 693 | 38,060 | 162 | 22,622 | 921 | 4,171 | -101 | 181 | 102,568 |
| October..... | 33,324 | 1,937 | 593 | 30,006 | 157 | 21,260 | 1,111 | 4,034 | -137 | 106 | 92,391 |
| November..... | 33,234 | 1,391 | 602 | 25,434 | 134 | 22,943 | 1,527 | 3,937 | -135 | 101 | 89,169 |
| December..... | 36,950 | 2,450 | 665 | 27,271 | 166 | 25,305 | 1,667 | 4,165 | -111 | 121 | 98,648 |
| Total..... | 395,943 | 22,241 | 8,368 | 378,044 | 1,763 | 272,684 | 18,189 | 51,022 | -1,309 | 2,056 | 1,149,001 |
| 2003 | | | | | | | | | | | |
| January..... | 39,024 | 4,924 | 525 | 27,064 | 111 | 26,340 | 1,479 | 3,861 | -96 | 47 | 103,277 |
| February..... | 33,709 | 4,784 | 338 | 24,479 | 96 | 22,947 | 1,237 | 3,678 | -97 | 6 | 91,177 |
| March..... | 32,733 | 3,929 | 361 | 25,626 | 98 | 23,147 | 1,984 | 4,382 | -108 | 80 | 92,231 |
| April..... | 28,813 | 2,424 | 625 | 22,961 | 122 | 22,251 | 2,275 | 4,364 | -88 | 67 | 83,815 |
| May..... | 27,623 | 1,205 | 531 | 25,127 | 105 | 24,711 | 2,685 | 4,055 | -85 | 39 | 85,997 |
| June..... | 31,149 | 2,480 | 630 | 27,549 | 94 | 25,024 | 1,955 | 4,318 | -114 | 46 | 93,131 |
| July..... | 37,085 | 3,323 | 775 | 43,364 | 92 | 25,482 | 1,443 | 4,460 | -96 | 57 | 115,985 |
| August..... | 38,858 | 3,752 | 783 | 47,471 | 89 | 25,559 | 1,670 | 4,272 | -102 | 131 | 122,483 |
| September..... | 32,748 | 1,709 | 790 | 32,033 | 94 | 23,607 | 1,289 | 4,010 | -96 | 35 | 96,218 |
| October..... | 32,479 | 1,439 | 716 | 30,134 | 112 | 22,276 | 1,681 | 4,307 | -94 | 47 | 93,097 |
| November..... | 33,155 | 1,407 | 872 | 24,675 | 109 | 22,480 | 2,057 | 4,396 | -108 | 25 | 89,068 |
| December..... | 37,201 | 3,002 | 883 | 23,859 | 102 | 25,392 | 2,386 | 4,677 | -105 | 9 | 97,405 |
| Total..... | 404,577 | 34,378 | 7,828 | 354,342 | 1,224 | 289,215 | 22,142 | 50,779 | -1,190 | 590 | 1,163,884 |
| 2004 | | | | | | | | | | | |
| January..... | 38,508 | 7,192 | 868 | 26,179 | 144 | 25,610 | 2,123 | 4,363 | -117 | 22 | 104,893 |
| February..... | 36,258 | 2,914 | 711 | 28,306 | 142 | 23,443 | 1,561 | 4,183 | -73 | 49 | 97,494 |
| March..... | 33,914 | 3,057 | 807 | 27,857 | 175 | 23,227 | 2,041 | 4,566 | -74 | 35 | 95,605 |
| April..... | 30,029 | 2,515 | 864 | 28,802 | 223 | 20,255 | 2,257 | 4,482 | -68 | 23 | 89,383 |
| May..... | 30,414 | 2,696 | 764 | 34,548 | 179 | 24,036 | 2,264 | 5,085 | -79 | 28 | 99,935 |
| June..... | 32,345 | 2,524 | 710 | 36,152 | 204 | 25,312 | 1,718 | 4,764 | -81 | 5 | 103,654 |
| July..... | 36,172 | 2,988 | 714 | 45,322 | 283 | 26,269 | 1,618 | 4,722 | -71 | 17 | 118,032 |
| August..... | 40,519 | 2,774 | 781 | 46,724 | 260 | 28,267 | 1,796 | 4,589 | -86 | 25 | 125,650 |
| Total..... | 278,159 | 26,659 | 6,219 | 273,891 | 1,610 | 196,420 | 15,378 | 36,753 | -648 | 204 | 834,645 |
| Year-to-Date | | | | | | | | | | | |
| 2002..... | 258,266 | 14,772 | 5,815 | 257,272 | 1,145 | 180,554 | 12,963 | 34,715 | -825 | 1,548 | 766,225 |
| 2003..... | 268,994 | 26,821 | 4,568 | 243,640 | 807 | 195,461 | 14,728 | 33,390 | -787 | 474 | 788,096 |
| 2004..... | 278,159 | 26,659 | 6,219 | 273,891 | 1,610 | 196,420 | 15,378 | 36,753 | -648 | 204 | 834,645 |
| Rolling 12 Months Ending in August | | | | | | | | | | | |
| 2003..... | 406,671 | 34,290 | 7,121 | 364,412 | 1,425 | 287,591 | 19,954 | 49,696 | -1,271 | 983 | 1,170,872 |
| 2004..... | 413,742 | 34,215 | 9,480 | 384,593 | 2,027 | 290,174 | 22,792 | 54,143 | -1,052 | 319 | 1,210,433 |

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

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, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

⁵ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 1.4. Net Generation by Energy Source: Commercial Combined Heat and Power Sector, 1990 through August 2004
(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 |
|---|-------------------|--------------------------------|----------------|--------------|--------------------------|-----------|----------------------------|-------------------------------|------------------------------|--------------------|--------------|
| 1990..... | 796 | 589 | -- | 3,272 | 121 | -- | 138 | 922 | -- | -- | 5,837 |
| 1991..... | 775 | 413 | -- | 3,213 | 116 | -- | 131 | 1,010 | -- | 1 | 5,659 |
| 1992..... | 749 | 300 | 2 | 3,867 | 105 | -- | 122 | 1,082 | -- | 1 | 6,228 |
| 1993..... | 864 | 331 | 4 | 4,471 | 100 | -- | 100 | 1,132 | -- | * | 7,000 |
| 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 | 1,482 | -- | * | 7,416 |
| 2002 | | | | | | | | | | | |
| January..... | 85 | 35 | * | 355 | -- | -- | 1 | 114 | -- | 8 | 597 |
| February..... | 70 | 36 | 1 | 291 | -- | -- | 1 | 94 | -- | 7 | 500 |
| March..... | 84 | 31 | * | 338 | * | -- | 1 | 111 | -- | 6 | 573 |
| April..... | 66 | 27 | 1 | 328 | -- | -- | 1 | 118 | -- | 8 | 546 |
| May..... | 69 | 27 | * | 314 | * | -- | 1 | 146 | -- | 8 | 566 |
| June..... | 83 | 29 | 1 | 378 | -- | -- | 1 | 142 | -- | 8 | 642 |
| July..... | 101 | 38 | * | 448 | -- | -- | 1 | 146 | -- | 8 | 743 |
| August..... | 102 | 37 | * | 490 | -- | -- | 1 | 158 | -- | 8 | 797 |
| September..... | 88 | 33 | * | 392 | -- | -- | 1 | 154 | -- | 8 | 676 |
| October..... | 78 | 31 | * | 344 | -- | -- | 1 | 139 | -- | 8 | 600 |
| November..... | 78 | 37 | * | 294 | -- | -- | 1 | 143 | -- | * | 554 |
| December..... | 88 | 65 | 1 | 339 | -- | -- | 1 | 121 | -- | 7 | 622 |
| Total..... | 992 | 426 | 6 | 4,310 | * | -- | 13 | 1,585 | -- | 84 | 7,415 |
| 2003 | | | | | | | | | | | |
| January..... | 90 | 97 | * | 376 | * | -- | 6 | 133 | -- | * | 703 |
| February..... | 86 | 76 | * | 293 | * | -- | 6 | 122 | -- | * | 584 |
| March..... | 85 | 41 | * | 356 | * | -- | 9 | 168 | -- | 2 | 662 |
| April..... | 81 | 23 | * | 341 | * | -- | 12 | 172 | -- | 2 | 632 |
| May..... | 66 | 23 | * | 415 | * | -- | 22 | 169 | -- | * | 694 |
| June..... | 83 | 31 | 1 | 466 | * | -- | 6 | 166 | -- | * | 752 |
| July..... | 100 | 38 | * | 396 | * | -- | 10 | 165 | -- | 2 | 713 |
| August..... | 103 | 43 | 1 | 427 | * | -- | 9 | 162 | -- | * | 745 |
| September..... | 87 | 26 | * | 284 | * | -- | 4 | 152 | -- | * | 554 |
| October..... | 79 | 26 | * | 322 | * | -- | 4 | 172 | -- | * | 604 |
| November..... | 82 | 25 | * | 293 | * | -- | 5 | 147 | -- | * | 552 |
| December..... | 89 | 43 | * | 284 | * | -- | 6 | 168 | -- | * | 590 |
| Total..... | 1,033 | 493 | 5 | 4,252 | * | -- | 98 | 1,897 | -- | 8 | 7,785 |
| 2004 | | | | | | | | | | | |
| January..... | 97 | 101 | 1 | 297 | -- | -- | 4 | 138 | -- | * | 639 |
| February..... | 98 | 38 | 1 | 313 | -- | -- | 7 | 126 | -- | * | 583 |
| March..... | 91 | 36 | 1 | 300 | -- | -- | 12 | 142 | -- | * | 581 |
| April..... | 72 | 33 | 1 | 285 | -- | -- | 11 | 149 | -- | * | 550 |
| May..... | 90 | 29 | -- | 337 | -- | -- | 13 | 165 | -- | * | 633 |
| June..... | 97 | 30 | -- | 342 | -- | -- | 11 | 159 | -- | * | 638 |
| July..... | 105 | 35 | -- | 378 | -- | -- | 5 | 161 | -- | * | 683 |
| August..... | 108 | 32 | -- | 376 | -- | -- | 4 | 158 | -- | * | 678 |
| Total..... | 756 | 334 | 3 | 2,628 | -- | -- | 66 | 1,197 | -- | * | 4,985 |
| Year-to-Date | | | | | | | | | | | |
| 2002..... | 661 | 260 | 4 | 2,941 | * | -- | 8 | 1,028 | -- | 60 | 4,962 |
| 2003..... | 695 | 373 | 4 | 3,070 | * | -- | 79 | 1,257 | -- | 7 | 5,484 |
| 2004..... | 756 | 334 | 3 | 2,628 | -- | -- | 66 | 1,197 | -- | * | 4,985 |
| Rolling 12 Months Ending in August | | | | | | | | | | | |
| 2003..... | 1,027 | 539 | 6 | 4,438 | * | -- | 84 | 1,814 | -- | 30 | 7,937 |
| 2004..... | 1,094 | 455 | 5 | 3,810 | * | -- | 85 | 1,837 | -- | 1 | 7,286 |

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

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, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

⁵ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, 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" and values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 1.5. Net Generation by Energy Source: Industrial Combined Heat and Power Sector, 1990 through August 2004
(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 |
|---|-------------------|--------------------------------|----------------|---------------|--------------------------|-----------|----------------------------|-------------------------------|------------------------------|--------------------|----------------|
| 1990..... | 21,107 | 4,780 | 2,389 | 60,007 | 9,641 | -- | 2,975 | 26,328 | -- | 3,604 | 130,830 |
| 1991..... | 21,002 | 4,455 | 2,085 | 60,567 | 10,501 | -- | 2,844 | 26,791 | -- | 4,336 | 132,579 |
| 1992..... | 22,743 | 4,878 | 2,737 | 65,933 | 11,953 | -- | 2,950 | 28,847 | -- | 3,239 | 143,280 |
| 1993..... | 23,742 | 5,287 | 1,741 | 68,234 | 11,890 | -- | 2,871 | 29,450 | -- | 3,079 | 146,294 |
| 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 | 27,703 | -- | 4,690 | 149,175 |
| 2002 | | | | | | | | | | | |
| January..... | 1,752 | 280 | 110 | 7,231 | 721 | -- | 296 | 2,550 | -- | 232 | 13,173 |
| February..... | 1,548 | 238 | 89 | 6,484 | 653 | -- | 279 | 2,282 | -- | 276 | 11,850 |
| March..... | 1,677 | 276 | 83 | 7,001 | 743 | -- | 276 | 2,287 | -- | 310 | 12,654 |
| April..... | 1,741 | 247 | 96 | 6,118 | 759 | -- | 317 | 2,627 | -- | 271 | 12,176 |
| May..... | 1,691 | 247 | 86 | 6,761 | 781 | -- | 287 | 2,545 | -- | 194 | 12,592 |
| June..... | 1,848 | 239 | 99 | 6,567 | 868 | -- | 255 | 2,733 | -- | 220 | 12,829 |
| July..... | 2,092 | 253 | 117 | 7,079 | 873 | -- | 273 | 2,742 | -- | 390 | 13,820 |
| August..... | 1,891 | 237 | 113 | 7,051 | 915 | -- | 277 | 2,691 | -- | 263 | 13,438 |
| September..... | 1,782 | 236 | 103 | 6,388 | 872 | -- | 247 | 2,594 | -- | 406 | 12,628 |
| October..... | 1,824 | 274 | 121 | 5,925 | 737 | -- | 343 | 2,682 | -- | 455 | 12,363 |
| November..... | 1,807 | 335 | 97 | 6,131 | 730 | -- | 447 | 2,493 | -- | 325 | 12,361 |
| December..... | 1,872 | 333 | 93 | 6,277 | 840 | -- | 529 | 2,522 | -- | 231 | 12,697 |
| Total..... | 21,525 | 3,196 | 1,207 | 79,013 | 9,493 | -- | 3,825 | 30,747 | -- | 3,574 | 152,580 |
| 2003 | | | | | | | | | | | |
| January..... | 2,017 | 430 | 157 | 7,250 | 797 | -- | 413 | 2,229 | -- | 297 | 13,591 |
| February..... | 1,710 | 346 | 116 | 6,220 | 633 | -- | 362 | 2,049 | -- | 249 | 11,685 |
| March..... | 1,804 | 346 | 130 | 6,460 | 802 | -- | 524 | 2,484 | -- | 451 | 13,001 |
| April..... | 1,696 | 245 | 136 | 5,698 | 610 | -- | 414 | 2,365 | -- | 428 | 11,593 |
| May..... | 1,663 | 269 | 138 | 5,472 | 652 | -- | 539 | 2,272 | -- | 421 | 11,425 |
| June..... | 1,686 | 282 | 154 | 6,150 | 769 | -- | 499 | 2,334 | -- | 351 | 12,225 |
| July..... | 1,890 | 286 | 148 | 6,468 | 805 | -- | 498 | 2,370 | -- | 360 | 12,825 |
| August..... | 1,892 | 268 | 139 | 6,748 | 729 | -- | 497 | 2,270 | -- | 421 | 12,963 |
| September..... | 1,602 | 206 | 137 | 5,465 | 736 | -- | 428 | 2,093 | -- | 334 | 11,001 |
| October..... | 1,738 | 312 | 149 | 6,342 | 926 | -- | 407 | 2,489 | -- | 404 | 12,766 |
| November..... | 1,669 | 218 | 127 | 5,973 | 1,124 | -- | 440 | 3,384 | -- | 381 | 13,315 |
| December..... | 1,867 | 312 | 184 | 6,062 | 1,125 | -- | 601 | 2,609 | -- | 384 | 13,146 |
| Total..... | 21,233 | 3,520 | 1,716 | 74,308 | 9,707 | -- | 5,621 | 28,948 | -- | 4,481 | 149,534 |
| 2004 | | | | | | | | | | | |
| January..... | 1,929 | 533 | 109 | 5,937 | 1,118 | -- | 514 | 2,470 | -- | 280 | 12,890 |
| February..... | 1,786 | 270 | 97 | 6,073 | 1,039 | -- | 440 | 2,325 | -- | 179 | 12,209 |
| March..... | 1,781 | 274 | 100 | 6,251 | 1,089 | -- | 408 | 2,340 | -- | 189 | 12,432 |
| April..... | 1,659 | 263 | 106 | 6,069 | 1,099 | -- | 363 | 2,432 | -- | 195 | 12,186 |
| May..... | 1,674 | 259 | 103 | 7,000 | 1,096 | -- | 371 | 2,320 | -- | 219 | 13,042 |
| June..... | 1,742 | 292 | 108 | 6,722 | 1,128 | -- | 332 | 2,320 | -- | 259 | 12,903 |
| July..... | 1,905 | 277 | 128 | 6,926 | 1,005 | -- | 335 | 2,468 | -- | 346 | 13,391 |
| August..... | 1,840 | 268 | 121 | 6,954 | 1,034 | -- | 360 | 2,468 | -- | 285 | 13,331 |
| Total..... | 14,316 | 2,437 | 873 | 51,931 | 8,606 | -- | 3,124 | 19,143 | -- | 1,953 | 102,383 |
| Year-to-Date | | | | | | | | | | | |
| 2002..... | 14,242 | 2,018 | 793 | 54,291 | 6,315 | -- | 2,259 | 20,457 | -- | 2,157 | 102,532 |
| 2003..... | 14,357 | 2,472 | 1,117 | 50,465 | 5,797 | -- | 3,745 | 18,374 | -- | 2,979 | 99,306 |
| 2004..... | 14,316 | 2,437 | 873 | 51,931 | 8,606 | -- | 3,124 | 19,143 | -- | 1,953 | 102,383 |
| Rolling 12 Months Ending in August | | | | | | | | | | | |
| 2003..... | 21,641 | 3,650 | 1,531 | 75,187 | 8,975 | -- | 5,311 | 28,664 | -- | 4,396 | 149,354 |
| 2004..... | 21,192 | 3,485 | 1,472 | 75,774 | 12,517 | -- | 4,999 | 29,717 | -- | 3,455 | 152,611 |

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

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, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

⁵ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 1.6.A. Net Generation by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|----------------|--------------------------------|------------|--------------------------------|---------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 12,406 | 12,287 | 1.0 | 703 | 694 | 11,084 | 10,886 | 69 | 85 | 550 | 623 |
| Connecticut..... | 3,186 | 2,907 | 9.6 | NM | NM | 3,160 | 2,871 | NM | NM | NM | NM |
| Maine..... | 1,831 | 1,815 | .9 | NM | NM | 1,349 | 1,277 | 16 | 16 | 466 | 521 |
| Massachusetts..... | 4,315 | 4,894 | -11.8 | 105 | 56 | 4,131 | 4,743 | 45 | 56 | NM | NM |
| New Hampshire..... | 2,023 | 1,598 | 26.6 | 544 | 583 | 1,451 | 982 | NM | NM | 27 | 30 |
| Rhode Island..... | 544 | 562 | -3.2 | NM | NM | 540 | 556 | NM | NM | NM | NM |
| Vermont..... | 507 | 511 | -8 | 51 | 51 | 453 | 457 | -- | -- | NM | NM |
| Middle Atlantic..... | 38,679 | 39,094 | -1.1 | 6,575 | 7,428 | 31,350 | 30,891 | 93 | 106 | 661 | 669 |
| New Jersey..... | 6,140 | 6,068 | 1.2 | 142 | 221 | 5,839 | 5,683 | NM | NM | 144 | 144 |
| New York..... | 12,723 | 13,442 | -5.3 | 3,440 | 4,239 | 9,037 | 8,964 | 46 | 45 | 201 | 193 |
| Pennsylvania..... | 19,817 | 19,585 | 1.2 | 2,994 | 2,968 | 16,474 | 16,243 | 33 | 41 | 316 | 332 |
| East North Central..... | 56,570 | 60,505 | -6.5 | 37,330 | 39,543 | 18,014 | 19,974 | 142 | 113 | 1,084 | 874 |
| Illinois..... | 16,969 | 19,026 | -10.8 | 1,652 | 2,122 | 14,995 | 16,649 | 55 | 28 | 266 | 226 |
| Indiana..... | 11,017 | 11,554 | -4.6 | 9,794 | 10,739 | 818 | 569 | 25 | 23 | 381 | 223 |
| Michigan..... | 10,262 | 10,151 | 1.1 | 8,606 | 8,432 | 1,455 | 1,518 | 49 | 45 | 151 | 156 |
| Ohio..... | 12,758 | 13,981 | -8.7 | 12,050 | 12,825 | 617 | 1,110 | NM | NM | 92 | 43 |
| Wisconsin..... | 5,564 | 5,793 | -4.0 | 5,228 | 5,425 | 129 | 127 | 13 | 15 | 194 | 226 |
| West North Central..... | 26,973 | 29,332 | -8.0 | 26,173 | 28,372 | 458 | 469 | 38 | 44 | 305 | 447 |
| Iowa..... | 3,783 | 3,986 | -5.1 | 3,589 | 3,794 | 70 | 51 | 13 | 13 | 112 | 127 |
| Kansas..... | 4,103 | 4,586 | -10.5 | 4,076 | 4,550 | 23 | 33 | NM | NM | NM | NM |
| Minnesota..... | 4,558 | 5,128 | -11.1 | 4,144 | 4,658 | 251 | 175 | 9 | 15 | 154 | 280 |
| Missouri..... | 8,095 | 8,902 | -9.1 | 7,975 | 8,660 | 88 | 210 | 15 | 13 | NM | NM |
| Nebraska..... | 2,952 | 3,014 | -2.1 | 2,946 | 3,007 | NM | NM | NM | NM | NM | NM |
| North Dakota..... | 2,749 | 2,909 | -5.5 | 2,721 | 2,896 | 14 | -- | -- | -- | NM | NM |
| South Dakota..... | 733 | 807 | -9.1 | 722 | 807 | 11 | -- | -- | -- | -- | -- |
| South Atlantic..... | 74,546 | 77,561 | -3.9 | 60,562 | 62,321 | 12,052 | 13,426 | 55 | 74 | 1,877 | 1,740 |
| Delaware..... | 590 | 913 | -35.4 | NM | NM | 499 | 876 | -- | -- | 77 | 12 |
| District of Columbia..... | 5 | 25 | -81.3 | -- | -- | 5 | 25 | -- | -- | -- | -- |
| Florida..... | 21,073 | 20,385 | 3.4 | 18,850 | 18,230 | 1,756 | 1,741 | 10 | 10 | 457 | 404 |
| Georgia..... | 11,966 | 12,513 | -4.4 | 10,856 | 11,382 | 673 | 802 | 1 | * | 436 | 329 |
| Maryland..... | 4,816 | 5,495 | -12.4 | NM | NM | 4,765 | 5,436 | NM | NM | 46 | 53 |
| North Carolina..... | 11,301 | 12,463 | -9.3 | 10,510 | 11,450 | 467 | 580 | 9 | 11 | 315 | 423 |
| South Carolina..... | 9,178 | 9,121 | .6 | 8,899 | 8,868 | 88 | 139 | NM | NM | 186 | 110 |
| Virginia..... | 7,455 | 8,023 | -7.1 | 6,245 | 6,690 | 944 | 1,047 | 29 | 45 | 237 | 241 |
| West Virginia..... | 8,163 | 8,622 | -5.3 | 5,185 | 5,671 | 2,855 | 2,782 | -- | -- | 122 | 169 |
| East South Central..... | 34,377 | 36,203 | -5.0 | 30,246 | 31,648 | 3,114 | 3,509 | 14 | 12 | 1,002 | 1,035 |
| Alabama..... | 13,137 | 14,122 | -7.0 | 11,543 | 12,265 | 1,110 | 1,359 | -- | -- | 484 | 499 |
| Kentucky..... | 8,257 | 8,618 | -4.2 | 7,289 | 7,548 | 923 | 1,019 | -- | -- | 45 | 52 |
| Mississippi..... | 4,349 | 4,362 | -.3 | 3,082 | 3,054 | 1,073 | 1,128 | 2 | 2 | 191 | 177 |
| Tennessee..... | 8,634 | 9,101 | -5.1 | 8,332 | 8,781 | 8 | 3 | 12 | 10 | 282 | 307 |
| West South Central..... | 58,163 | 59,967 | -3.0 | 22,474 | 28,699 | 29,685 | 25,536 | 53 | 55 | 5,951 | 5,677 |
| Arkansas..... | 4,945 | 4,456 | 11.0 | 4,131 | 3,973 | 640 | 305 | NM | NM | 173 | 177 |
| Louisiana..... | 9,203 | 8,966 | 2.6 | 4,351 | 4,276 | 2,467 | 2,725 | 4 | 2 | 2,381 | 1,962 |
| Oklahoma..... | 6,272 | 7,233 | -13.3 | 4,828 | 5,280 | 1,317 | 1,827 | NM | NM | 125 | 123 |
| Texas..... | 37,742 | 39,314 | -4.0 | 9,163 | 15,171 | 25,261 | 20,680 | 47 | 49 | 3,271 | 3,414 |
| Mountain..... | 32,028 | 30,951 | 3.5 | 25,267 | 24,951 | 6,565 | 5,777 | NM | NM | 180 | 192 |
| Arizona..... | 9,770 | 9,259 | 5.5 | 7,592 | 7,167 | 2,141 | 2,057 | NM | NM | 35 | 34 |
| Colorado..... | 4,505 | 4,532 | -.6 | 3,712 | 3,836 | 778 | 668 | 9 | 21 | NM | NM |
| Idaho..... | 1,140 | 997 | 14.4 | 820 | 820 | 261 | 120 | -- | -- | 59 | 57 |
| Montana..... | 2,372 | 2,440 | -2.8 | 606 | 640 | 1,761 | 1,794 | -- | -- | NM | NM |
| Nevada..... | 3,801 | 3,112 | 22.2 | 2,350 | 2,147 | 1,451 | 964 | -- | -- | -- | -- |
| New Mexico..... | 3,167 | 3,248 | -2.5 | 3,064 | 3,178 | 79 | 44 | NM | NM | NM | NM |
| Utah..... | 3,289 | 3,589 | -8.4 | 3,217 | 3,512 | 45 | 46 | NM | NM | NM | NM |
| Wyoming..... | 3,983 | 3,773 | 5.6 | 3,906 | 3,652 | 48 | 84 | -- | -- | 30 | 37 |
| Pacific Contiguous..... | 31,006 | 30,451 | 1.8 | 16,209 | 17,046 | 12,959 | 11,625 | 181 | 209 | 1,657 | 1,571 |
| California..... | 19,092 | 18,439 | 3.5 | 7,483 | 7,836 | 9,961 | 8,955 | 177 | 197 | 1,471 | 1,450 |
| Oregon..... | 3,872 | 3,876 | -.1 | 2,656 | 2,828 | 1,096 | 997 | NM | NM | 120 | 50 |
| Washington..... | 8,042 | 8,136 | -1.2 | 6,070 | 6,381 | 1,902 | 1,673 | NM | NM | 66 | 71 |
| Pacific Noncontiguous.. | 1,522 | 1,577 | -3.4 | 1,071 | 1,037 | 370 | 389 | 16 | 15 | 65 | 135 |
| Alaska..... | 512 | 594 | -13.9 | 437 | 458 | NM | NM | 16 | 15 | NM | NM |
| Hawaii..... | 1,010 | 982 | 2.8 | 634 | 579 | 350 | 365 | -- | -- | 27 | 38 |
| U.S. Total..... | 366,270 | 377,929 | -3.1 | 226,611 | 241,738 | 125,650 | 122,483 | 678 | 745 | 13,331 | 12,963 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.6.B. Net Generation by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------------|----------------|---------------------------------|------------------|-----------------------------|----------------|--------------------------------|--------------|--------------------------------|---------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 88,926 | 84,978 | 4.6 | 5,034 | 4,753 | 78,907 | 75,177 | 612 | 524 | 4,373 | 4,524 |
| Connecticut..... | 21,687 | 20,989 | 3.3 | NM | NM | 21,501 | 20,786 | NM | NM | 147 | 157 |
| Maine..... | 13,793 | 13,119 | 5.1 | NM | NM | 9,942 | 9,074 | 122 | 120 | 3,726 | 3,922 |
| Massachusetts..... | 33,347 | 31,366 | 6.3 | 503 | 285 | 32,142 | 30,483 | 419 | 321 | 283 | 277 |
| New Hampshire..... | 13,164 | 11,970 | 10.0 | 4,124 | 4,010 | 8,830 | 7,793 | NM | NM | 193 | 143 |
| Rhode Island..... | 3,466 | 3,455 | .3 | NM | NM | 3,428 | 3,409 | NM | NM | NM | NM |
| Vermont..... | 3,469 | 4,080 | -15.0 | 382 | 426 | 3,064 | 3,631 | -- | -- | NM | NM |
| Middle Atlantic..... | 279,923 | 269,841 | 3.7 | 51,761 | 49,929 | 222,687 | 214,483 | 731 | 691 | 4,744 | 4,737 |
| New Jersey..... | 39,545 | 39,033 | 1.3 | 1,269 | 1,307 | 37,265 | 36,670 | 98 | 105 | 913 | 950 |
| New York..... | 96,148 | 92,167 | 4.3 | 27,306 | 28,308 | 67,047 | 62,246 | 373 | 325 | 1,422 | 1,288 |
| Pennsylvania..... | 144,231 | 138,641 | 4.0 | 23,187 | 20,314 | 118,375 | 115,568 | 261 | 261 | 2,408 | 2,498 |
| East North Central..... | 431,602 | 421,584 | 2.4 | 288,402 | 283,283 | 134,105 | 130,738 | 984 | 759 | 8,111 | 6,805 |
| Illinois..... | 128,742 | 130,127 | -1.1 | 13,360 | 14,095 | 113,013 | 114,073 | 368 | 153 | 2,001 | 1,807 |
| Indiana..... | 84,771 | 82,553 | 2.7 | 75,873 | 77,576 | 5,965 | 2,965 | 168 | 154 | 2,764 | 1,858 |
| Michigan..... | 79,353 | 73,191 | 8.4 | 67,073 | 63,345 | 10,816 | 8,419 | 339 | 346 | 1,125 | 1,081 |
| Ohio..... | 98,729 | 95,881 | 3.0 | 94,676 | 91,034 | 3,360 | 4,545 | NM | NM | 691 | 289 |
| Wisconsin..... | 40,006 | 39,833 | .4 | 37,419 | 37,233 | 951 | 736 | 106 | 93 | 1,530 | 1,770 |
| West North Central..... | 200,113 | 202,265 | -1.1 | 193,484 | 195,783 | 4,023 | 2,893 | 291 | 261 | 2,316 | 3,328 |
| Iowa..... | 28,245 | 28,153 | .3 | 26,540 | 26,675 | 754 | 643 | 101 | 88 | 850 | 747 |
| Kansas..... | 31,526 | 32,355 | -2.6 | 31,227 | 31,965 | 277 | 298 | NM | NM | NM | NM |
| Minnesota..... | 35,131 | 36,435 | -3.6 | 31,720 | 32,871 | 2,160 | 1,248 | 72 | 83 | 1,180 | 2,233 |
| Missouri..... | 57,991 | 59,084 | -1.8 | 57,097 | 58,181 | 660 | 700 | 106 | 77 | 128 | 126 |
| Nebraska..... | 20,898 | 20,030 | 4.3 | 20,850 | 19,981 | NM | NM | 11 | 11 | NM | NM |
| North Dakota..... | 20,896 | 20,876 | .1 | 20,697 | 20,778 | 96 | -- | -- | -- | 104 | 98 |
| South Dakota..... | 5,426 | 5,331 | 1.8 | 5,354 | 5,331 | 71 | -- | -- | -- | -- | -- |
| South Atlantic..... | 543,531 | 531,423 | 2.3 | 440,349 | 430,738 | 87,985 | 85,973 | 429 | 566 | 14,767 | 14,145 |
| Delaware..... | 5,288 | 5,091 | 3.9 | 120 | 99 | 4,759 | 4,646 | -- | -- | 409 | 347 |
| District of Columbia..... | 33 | 77 | -57.4 | -- | -- | 33 | 77 | -- | -- | -- | -- |
| Florida..... | 143,870 | 136,712 | 5.2 | 129,110 | 121,818 | 11,081 | 11,880 | 70 | 68 | 3,609 | 2,946 |
| Georgia..... | 88,613 | 85,049 | 4.2 | 80,897 | 78,822 | 4,133 | 3,009 | 2 | 2 | 3,581 | 3,215 |
| Maryland..... | 36,092 | 35,509 | 1.6 | NM | NM | 35,710 | 35,113 | 17 | 18 | 340 | 344 |
| North Carolina..... | 88,562 | 87,681 | 1.0 | 81,320 | 79,982 | 4,499 | 4,287 | 71 | 73 | 2,672 | 3,339 |
| South Carolina..... | 66,070 | 66,118 | -1 | 63,907 | 64,562 | 606 | 350 | 38 | 32 | 1,519 | 1,174 |
| Virginia..... | 53,866 | 50,723 | 6.2 | 44,672 | 41,494 | 7,507 | 7,243 | 230 | 372 | 1,457 | 1,614 |
| West Virginia..... | 61,138 | 64,463 | -5.2 | 40,298 | 43,927 | 19,659 | 19,370 | -- | -- | 1,181 | 1,166 |
| East South Central..... | 251,076 | 246,851 | 1.7 | 223,534 | 225,039 | 19,823 | 13,980 | 95 | 84 | 7,624 | 7,748 |
| Alabama..... | 92,163 | 93,038 | -9 | 82,095 | 86,002 | 6,241 | 3,185 | -- | -- | 3,827 | 3,851 |
| Kentucky..... | 64,276 | 62,480 | 2.9 | 56,462 | 55,323 | 7,475 | 6,825 | 9 | 9 | 339 | 322 |
| Mississippi..... | 29,531 | 31,018 | -4.8 | 22,071 | 25,844 | 6,069 | 3,930 | 16 | 14 | 1,375 | 1,230 |
| Tennessee..... | 65,107 | 60,315 | 7.9 | 62,906 | 57,869 | 38 | 40 | 79 | 61 | 2,084 | 2,345 |
| West South Central..... | 396,402 | 392,634 | 1.0 | 185,908 | 189,625 | 163,129 | 158,673 | 341 | 895 | 47,024 | 43,440 |
| Arkansas..... | 33,438 | 31,386 | 6.5 | 29,541 | 27,764 | 2,452 | 2,147 | NM | NM | 1,439 | 1,469 |
| Louisiana..... | 65,469 | 60,259 | 8.6 | 29,114 | 28,789 | 16,904 | 15,417 | 8 | 549 | 19,443 | 15,504 |
| Oklahoma..... | 41,397 | 41,732 | -8 | 31,839 | 34,874 | 8,594 | 5,908 | NM | NM | 953 | 935 |
| Texas..... | 256,099 | 259,257 | -1.2 | 95,416 | 98,199 | 135,178 | 135,201 | 318 | 325 | 25,188 | 25,532 |
| Mountain..... | 223,925 | 214,966 | 4.2 | 181,864 | 181,183 | 40,606 | 32,129 | 119 | 196 | 1,336 | 1,458 |
| Arizona..... | 67,564 | 62,103 | 8.8 | 54,904 | 52,714 | 12,380 | 9,131 | NM | NM | 269 | 245 |
| Colorado..... | 31,904 | 30,807 | 3.6 | 27,051 | 27,895 | 4,751 | 2,727 | 63 | 135 | NM | NM |
| Idaho..... | 7,317 | 7,118 | 2.8 | 5,777 | 5,978 | 1,095 | 693 | -- | -- | 445 | 446 |
| Montana..... | 17,486 | 17,303 | 1.1 | 4,049 | 4,375 | 13,399 | 12,875 | -- | -- | 39 | 53 |
| Nevada..... | 23,391 | 20,353 | 14.9 | 15,945 | 15,046 | 7,446 | 5,307 | -- | -- | -- | -- |
| New Mexico..... | 22,166 | 22,658 | -2.2 | 21,347 | 22,175 | 665 | 330 | NM | NM | 123 | 118 |
| Utah..... | 25,137 | 25,516 | -1.5 | 24,625 | 24,999 | 326 | 323 | NM | NM | 173 | 182 |
| Wyoming..... | 28,960 | 29,109 | -5 | 28,167 | 28,000 | 545 | 744 | -- | -- | 247 | 364 |
| Pacific Contiguous..... | 227,485 | 221,864 | 2.5 | 134,296 | 136,990 | 80,554 | 71,334 | 1,259 | 1,398 | 11,376 | 12,142 |
| California..... | 127,093 | 122,583 | 3.7 | 53,267 | 54,716 | 62,363 | 55,542 | 1,192 | 1,295 | 10,271 | 11,030 |
| Oregon..... | 33,062 | 33,372 | -9 | 25,424 | 27,128 | 7,063 | 5,721 | NM | NM | 573 | 520 |
| Washington..... | 67,330 | 65,908 | 2.2 | 55,605 | 55,146 | 11,128 | 10,071 | 64 | 100 | 533 | 591 |
| Pacific Noncontiguous.. | 11,974 | 11,942 | .3 | 8,312 | 8,139 | 2,827 | 2,714 | 123 | 110 | 712 | 978 |
| Alaska..... | 4,567 | 4,791 | -4.7 | 3,806 | 3,866 | 163 | 167 | 123 | 110 | 475 | 648 |
| Hawaii..... | 7,407 | 7,151 | 3.6 | 4,506 | 4,273 | 2,664 | 2,548 | -- | -- | 237 | 331 |
| U.S. Total..... | 2,654,959 | 2,598,348 | 2.2 | 1,712,946 | 1,705,461 | 834,645 | 788,096 | 4,985 | 5,484 | 102,383 | 99,306 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.7.A. Net Generation from Coal by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|---------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 1,779 | 1,900 | -6.4 | 471 | 383 | 1,293 | 1,471 | -- | -- | 15 | 46 |
| Connecticut..... | 386 | 381 | 1.1 | -- | -- | 386 | 381 | -- | -- | -- | -- |
| Maine..... | 26 | 62 | -58.3 | -- | -- | 14 | 20 | -- | -- | 11 | 42 |
| Massachusetts..... | 981 | 1,074 | -8.7 | 83 | -- | 893 | 1,070 | -- | -- | NM | NM |
| New Hampshire..... | 387 | 383 | 1.1 | 387 | 383 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 14,011 | 13,856 | 1.1 | 1,956 | 1,973 | 11,849 | 11,682 | 1 | 3 | 205 | 198 |
| New Jersey..... | 907 | 1,019 | -11.0 | 139 | 192 | 768 | 826 | -- | -- | -- | -- |
| New York..... | 2,076 | 2,102 | -1.2 | 155 | 142 | 1,850 | 1,892 | 1 | 3 | 70 | 65 |
| Pennsylvania..... | 11,028 | 10,736 | 2.7 | 1,662 | 1,639 | 9,231 | 8,964 | * | * | 135 | 133 |
| East North Central..... | 39,458 | 41,900 | -5.8 | 31,436 | 33,918 | 7,562 | 7,625 | 58 | 49 | 402 | 307 |
| Illinois..... | 8,239 | 9,029 | -8.7 | 1,632 | 2,034 | 6,402 | 6,864 | 14 | 3 | 191 | 128 |
| Indiana..... | 10,331 | 10,709 | -3.5 | 9,625 | 10,444 | 680 | 242 | 21 | 19 | NM | NM |
| Michigan..... | 6,052 | 5,730 | 5.6 | 5,927 | 5,612 | 41 | 38 | 20 | 23 | 64 | 57 |
| Ohio..... | 10,968 | 12,434 | -11.8 | 10,483 | 11,928 | 437 | 480 | -- | 1 | 48 | 25 |
| Wisconsin..... | 3,868 | 3,997 | -3.2 | 3,770 | 3,900 | NM | NM | 3 | 4 | 94 | 91 |
| West North Central..... | 20,747 | 21,900 | -5.3 | 20,358 | 21,511 | 146 | 12 | 23 | 22 | 220 | 355 |
| Iowa..... | 3,168 | 3,370 | -6.0 | 3,035 | 3,236 | NM | NM | 10 | 9 | 112 | 114 |
| Kansas..... | 3,035 | 3,220 | -5.7 | 3,035 | 3,220 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 2,957 | 3,176 | -6.9 | 2,743 | 2,964 | 135 | -- | -- | -- | 79 | 213 |
| Missouri..... | 6,794 | 7,197 | -5.6 | 6,764 | 7,168 | -- | -- | 14 | 13 | NM | NM |
| Nebraska..... | 1,909 | 1,884 | 1.4 | 1,905 | 1,880 | -- | -- | -- | -- | NM | NM |
| North Dakota..... | 2,589 | 2,724 | -5.0 | 2,581 | 2,716 | -- | -- | -- | -- | NM | NM |
| South Dakota..... | 294 | 329 | -10.7 | 294 | 329 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 38,017 | 40,928 | -7.1 | 30,529 | 32,982 | 7,061 | 7,540 | 8 | 10 | 419 | 396 |
| Delaware..... | 358 | 478 | -25.1 | -- | -- | 350 | 470 | -- | -- | NM | NM |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 5,849 | 6,460 | -9.5 | 5,374 | 5,936 | 453 | 518 | -- | -- | 22 | 6 |
| Georgia..... | 7,491 | 8,064 | -7.1 | 7,408 | 8,004 | -- | -- | -- | -- | 84 | 60 |
| Maryland..... | 2,631 | 2,901 | -9.3 | -- | -- | 2,604 | 2,866 | -- | -- | 27 | 35 |
| North Carolina..... | 6,792 | 7,431 | -8.6 | 6,373 | 7,035 | 335 | 307 | 8 | 10 | 76 | 80 |
| South Carolina..... | 3,645 | 3,558 | 2.5 | 3,603 | 3,532 | -- | -- | -- | -- | 42 | 26 |
| Virginia..... | 3,215 | 3,628 | -11.4 | 2,617 | 2,846 | 509 | 688 | -- | -- | 89 | 94 |
| West Virginia..... | 8,035 | 8,406 | -4.4 | 5,153 | 5,629 | 2,809 | 2,691 | -- | -- | 73 | 87 |
| East South Central..... | 21,710 | 22,657 | -4.2 | 20,526 | 21,432 | 983 | 1,049 | 4 | 5 | 198 | 171 |
| Alabama..... | 7,211 | 7,538 | -4.3 | 7,162 | 7,483 | 9 | 21 | -- | -- | 40 | 34 |
| Kentucky..... | 7,591 | 7,779 | -2.4 | 6,915 | 7,110 | 676 | 668 | -- | -- | -- | -- |
| Mississippi..... | 1,690 | 1,794 | -5.8 | 1,392 | 1,432 | 298 | 359 | -- | -- | * | 3 |
| Tennessee..... | 5,218 | 5,546 | -5.9 | 5,057 | 5,407 | -- | -- | 4 | 5 | 157 | 134 |
| West South Central..... | 21,553 | 21,384 | .8 | 12,539 | 14,615 | 8,748 | 6,473 | -- | -- | 266 | 297 |
| Arkansas..... | 2,439 | 2,315 | 5.4 | 2,431 | 2,309 | -- | -- | -- | -- | 8 | 7 |
| Louisiana..... | 2,266 | 2,229 | 1.7 | 1,107 | 1,142 | 1,157 | 1,084 | -- | -- | 2 | 2 |
| Oklahoma..... | 3,247 | 3,298 | -1.6 | 2,999 | 3,041 | 199 | 213 | -- | -- | 48 | 45 |
| Texas..... | 13,601 | 13,541 | .4 | 6,001 | 8,123 | 7,392 | 5,175 | -- | -- | 207 | 243 |
| Mountain..... | 19,750 | 19,253 | 2.6 | 18,122 | 17,520 | 1,558 | 1,660 | -- | -- | 70 | 74 |
| Arizona..... | 3,565 | 3,436 | 3.7 | 3,530 | 3,403 | -- | -- | -- | -- | 35 | 33 |
| Colorado..... | 3,280 | 3,253 | .8 | 3,250 | 3,224 | NM | NM | -- | -- | -- | -- |
| Idaho..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Montana..... | 1,511 | 1,569 | -3.7 | NM | NM | 1,485 | 1,539 | -- | -- | -- | -- |
| Nevada..... | 1,744 | 1,350 | 29.2 | 1,744 | 1,350 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 2,741 | 2,710 | 1.2 | 2,741 | 2,710 | -- | -- | -- | -- | -- | -- |
| Utah..... | 3,047 | 3,303 | -7.7 | 2,994 | 3,259 | 43 | 34 | -- | -- | NM | NM |
| Wyoming..... | 3,855 | 3,625 | 6.3 | 3,837 | 3,544 | -- | 57 | -- | -- | 19 | 24 |
| Pacific Contiguous..... | 1,538 | 1,635 | -6.0 | 341 | 404 | 1,152 | 1,186 | -- | 1 | 45 | 45 |
| California..... | 205 | 197 | 4.2 | -- | -- | 163 | 154 | -- | -- | 42 | 43 |
| Oregon..... | 342 | 405 | -15.5 | 341 | 404 | -- | -- | -- | -- | NM | NM |
| Washington..... | 991 | 1,034 | -4.2 | -- | -- | 990 | 1,032 | -- | 1 | 2 | 1 |
| Pacific Noncontiguous.. | 199 | 180 | 10.6 | 19 | 3 | 165 | 160 | 15 | 14 | -- | 3 |
| Alaska..... | 55 | 40 | 36.2 | 19 | 3 | NM | NM | 15 | 14 | -- | -- |
| Hawaii..... | 144 | 140 | 3.2 | -- | -- | 144 | 137 | -- | -- | -- | 3 |
| U.S. Total..... | 178,763 | 185,595 | -3.7 | 136,296 | 144,742 | 40,519 | 38,858 | 108 | 103 | 1,840 | 1,892 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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

Table 1.7.B. Net Generation from Coal by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------------|----------------|---------------------------------|------------------|-----------------------------|----------------|--------------------------------|------------|--------------------------------|---------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 12,994 | 13,247 | -1.9 | 2,774 | 2,411 | 10,095 | 10,517 | -- | -- | 125 | 319 |
| Connecticut..... | 2,960 | 2,896 | 2.2 | -- | -- | 2,960 | 2,896 | -- | -- | -- | -- |
| Maine..... | 245 | 428 | -42.8 | -- | -- | 149 | 138 | -- | -- | 96 | 290 |
| Massachusetts..... | 7,185 | 7,511 | -4.3 | 169 | -- | 6,986 | 7,482 | -- | -- | NM | NM |
| New Hampshire..... | 2,604 | 2,411 | 8.0 | 2,604 | 2,411 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 100,965 | 98,966 | 2.0 | 14,989 | 13,295 | 84,393 | 84,175 | 19 | 22 | 1,564 | 1,475 |
| New Jersey..... | 6,724 | 5,898 | 14.0 | 1,249 | 1,169 | 5,475 | 4,729 | -- | -- | -- | -- |
| New York..... | 16,203 | 15,859 | 2.2 | 1,153 | 1,079 | 14,534 | 14,341 | 16 | 18 | 501 | 420 |
| Pennsylvania..... | 78,038 | 77,209 | 1.1 | 12,587 | 11,047 | 64,384 | 65,105 | NM | NM | 1,064 | 1,054 |
| East North Central..... | 301,098 | 299,622 | .5 | 242,139 | 245,448 | 55,510 | 51,266 | 362 | 335 | 3,087 | 2,572 |
| Illinois..... | 62,682 | 60,584 | 3.5 | 13,193 | 13,761 | 47,977 | 45,627 | 45 | 23 | 1,466 | 1,173 |
| Indiana..... | 79,494 | 78,063 | 1.8 | 74,447 | 75,950 | 4,875 | 1,955 | 137 | 124 | NM | NM |
| Michigan..... | 44,358 | 44,974 | -1.4 | 43,439 | 44,108 | 292 | 265 | 152 | 159 | 475 | 442 |
| Ohio..... | 86,822 | 88,796 | -2.2 | 84,102 | 85,209 | 2,355 | 3,411 | 1 | 4 | 365 | 172 |
| Wisconsin..... | 27,742 | 27,204 | 2.0 | 26,959 | 26,420 | NM | NM | 28 | 26 | 745 | 750 |
| West North Central..... | 153,476 | 156,076 | -1.7 | 150,569 | 153,270 | 1,124 | 82 | 173 | 136 | 1,610 | 2,587 |
| Iowa..... | 23,293 | 23,898 | -2.5 | 22,310 | 23,076 | 84 | 82 | 73 | 65 | 826 | 674 |
| Kansas..... | 23,127 | 23,315 | -8 | 23,127 | 23,315 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 21,896 | 23,612 | -7.3 | 20,279 | 21,903 | 1,040 | -- | -- | -- | 577 | 1,709 |
| Missouri..... | 50,249 | 49,739 | 1.0 | 50,031 | 49,552 | -- | -- | 100 | 71 | 118 | 116 |
| Nebraska..... | 12,867 | 13,656 | -5.8 | 12,836 | 13,626 | -- | -- | -- | -- | NM | NM |
| North Dakota..... | 19,605 | 19,520 | .4 | 19,547 | 19,463 | -- | -- | -- | -- | NM | NM |
| South Dakota..... | 2,439 | 2,336 | 4.4 | 2,439 | 2,336 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 285,566 | 279,843 | 2.0 | 229,580 | 225,375 | 52,665 | 51,532 | 64 | 67 | 3,257 | 2,869 |
| Delaware..... | 3,294 | 2,656 | 24.0 | -- | -- | 3,236 | 2,600 | -- | -- | NM | NM |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 42,197 | 41,597 | 1.4 | 38,571 | 37,975 | 3,427 | 3,519 | -- | -- | 199 | 102 |
| Georgia..... | 56,094 | 53,051 | 5.7 | 55,447 | 52,500 | -- | -- | -- | -- | 647 | 551 |
| Maryland..... | 20,228 | 19,799 | 2.2 | -- | -- | 20,026 | 19,597 | -- | -- | 202 | 202 |
| North Carolina..... | 53,961 | 50,319 | 7.2 | 50,850 | 47,398 | 2,430 | 2,318 | 63 | 67 | 618 | 536 |
| South Carolina..... | 26,842 | 24,881 | 7.9 | 26,498 | 24,569 | -- | -- | -- | -- | 344 | 312 |
| Virginia..... | 23,288 | 24,640 | -5.5 | 18,257 | 19,396 | 4,389 | 4,662 | 1 | * | 642 | 582 |
| West Virginia..... | 59,661 | 62,900 | -5.1 | 39,957 | 43,536 | 19,157 | 18,836 | -- | -- | 547 | 528 |
| East South Central..... | 159,883 | 158,298 | 1.0 | 151,107 | 149,854 | 7,242 | 7,062 | 23 | 35 | 1,512 | 1,348 |
| Alabama..... | 49,844 | 51,165 | -2.6 | 49,444 | 50,754 | 107 | 149 | -- | -- | 294 | 261 |
| Kentucky..... | 58,593 | 57,467 | 2.0 | 53,580 | 52,219 | 5,013 | 5,248 | -- | -- | -- | -- |
| Mississippi..... | 11,833 | 14,254 | -17.0 | 9,707 | 12,575 | 2,121 | 1,664 | -- | -- | 5 | 14 |
| Tennessee..... | 39,613 | 35,412 | 11.9 | 38,377 | 34,306 | -- | -- | 23 | 35 | 1,214 | 1,072 |
| West South Central..... | 154,248 | 152,524 | 1.1 | 105,415 | 106,019 | 46,546 | 44,221 | -- | -- | 2,288 | 2,284 |
| Arkansas..... | 16,542 | 14,500 | 14.1 | 16,466 | 14,426 | -- | -- | -- | -- | 76 | 74 |
| Louisiana..... | 15,610 | 15,106 | 3.3 | 7,390 | 7,210 | 8,192 | 7,844 | -- | -- | 28 | 51 |
| Oklahoma..... | 22,231 | 24,842 | -10.5 | 20,662 | 23,129 | 1,219 | 1,378 | -- | -- | 349 | 334 |
| Texas..... | 99,866 | 98,077 | 1.8 | 60,897 | 61,254 | 37,134 | 34,998 | -- | -- | 1,835 | 1,824 |
| Mountain..... | 143,695 | 140,935 | 2.0 | 131,713 | 129,181 | 11,434 | 11,230 | -- | -- | 548 | 523 |
| Arizona..... | 26,476 | 24,759 | 6.9 | 26,207 | 24,516 | -- | -- | -- | -- | 269 | 243 |
| Colorado..... | 23,807 | 24,070 | -1.1 | 23,587 | 23,867 | 220 | 203 | -- | -- | -- | -- |
| Idaho..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Montana..... | 11,100 | 10,568 | 5.0 | 196 | 212 | 10,904 | 10,356 | -- | -- | -- | -- |
| Nevada..... | 11,588 | 9,906 | 17.0 | 11,588 | 9,906 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 19,112 | 19,863 | -3.8 | 19,112 | 19,863 | -- | -- | -- | -- | -- | -- |
| Utah..... | 23,773 | 23,780 | .0 | 23,391 | 23,444 | 310 | 270 | -- | -- | 72 | 66 |
| Wyoming..... | 27,788 | 27,937 | -5 | 27,632 | 27,373 | -- | 401 | -- | -- | 156 | 164 |
| Pacific Contiguous..... | 10,116 | 10,761 | -6.0 | 1,913 | 2,728 | 7,875 | 7,675 | NM | NM | 326 | 353 |
| California..... | 1,483 | 1,507 | -1.7 | -- | -- | 1,181 | 1,179 | -- | -- | 302 | 328 |
| Oregon..... | 1,921 | 2,736 | -29.8 | 1,913 | 2,728 | -- | -- | -- | -- | NM | NM |
| Washington..... | 6,712 | 6,517 | 3.0 | -- | -- | 6,694 | 6,496 | NM | NM | 16 | 17 |
| Pacific Noncontiguous.. | 1,528 | 1,453 | 5.2 | 137 | 95 | 1,276 | 1,233 | 114 | 96 | -- | 29 |
| Alaska..... | 412 | 354 | 16.4 | 137 | 95 | 161 | 164 | 114 | 96 | -- | -- |
| Hawaii..... | 1,115 | 1,099 | 1.5 | -- | -- | 1,115 | 1,069 | -- | -- | -- | 29 |
| U.S. Total..... | 1,323,568 | 1,311,723 | .9 | 1,030,336 | 1,027,677 | 278,159 | 268,994 | 756 | 695 | 14,316 | 14,357 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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

Table 1.8.A. Net Generation from Petroleum Liquids by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|--------------|-----------------------------|--------------|--------------------------------|-----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 910 | 1,073 | -15.2 | 147 | 187 | 678 | 799 | 19 | 28 | 66 | 59 |
| Connecticut..... | 168 | 238 | -29.5 | NM | NM | 165 | 233 | NM | NM | NM | NM |
| Maine..... | 95 | 79 | 21.1 | -- | -- | 44 | 38 | NM | NM | 52 | 41 |
| Massachusetts..... | 498 | 567 | -12.1 | 4 | 7 | 469 | 528 | 15 | 19 | NM | NM |
| New Hampshire..... | 145 | 182 | -20.4 | 142 | 177 | NM | NM | NM | NM | NM | NM |
| Rhode Island..... | NM | NM | -- | NM | NM | NM | NM | NM | NM | NM | NM |
| Vermont..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 2,049 | 2,762 | -25.8 | 749 | 987 | 1,271 | 1,748 | 10 | 9 | 18 | 18 |
| New Jersey..... | 102 | 119 | -14.3 | 12 | 34 | 86 | 77 | NM | NM | NM | NM |
| New York..... | 1,750 | 2,191 | -20.1 | 736 | 950 | 994 | 1,232 | 9 | 8 | 10 | 1 |
| Pennsylvania..... | 196 | 451 | -56.5 | 1 | 3 | 192 | 439 | NM | NM | NM | NM |
| East North Central..... | 122 | 467 | -73.8 | 90 | 282 | 25 | 174 | NM | NM | NM | NM |
| Illinois..... | 22 | 181 | -87.8 | 2 | 7 | 20 | 173 | * | * | NM | NM |
| Indiana..... | 13 | 12 | 6.4 | 11 | 11 | NM | NM | * | * | 1 | * |
| Michigan..... | 55 | 214 | -74.5 | 53 | 212 | NM | NM | NM | NM | NM | NM |
| Ohio..... | 23 | 40 | -43.0 | 20 | 38 | NM | NM | NM | NM | NM | NM |
| Wisconsin..... | NM | NM | -- | 3 | 13 | 3 | * | -- | 1 | NM | NM |
| West North Central..... | 114 | 218 | -47.7 | 113 | 215 | 1 | * | * | 1 | NM | NM |
| Iowa..... | 4 | 14 | -68.6 | 4 | 13 | * | * | NM | NM | NM | NM |
| Kansas..... | 101 | 178 | -43.5 | 101 | 178 | -- | -- | -- | -- | NM | NM |
| Minnesota..... | NM | NM | -- | NM | NM | * | -- | * | 1 | NM | NM |
| Missouri..... | 3 | 10 | -71.2 | 3 | 10 | -- | -- | * | * | NM | NM |
| Nebraska..... | NM | NM | -- | NM | NM | -- | -- | * | * | -- | -- |
| North Dakota..... | 2 | 4 | -42.4 | 2 | 3 | -- | -- | -- | -- | * | 1 |
| South Dakota..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 4,595 | 4,878 | -5.8 | 3,819 | 3,973 | 652 | 830 | 1 | 1 | 123 | 75 |
| Delaware..... | 71 | 172 | -58.8 | NM | NM | 22 | 146 | -- | -- | 36 | 4 |
| District of Columbia..... | 5 | 25 | -81.3 | -- | -- | 5 | 25 | -- | -- | -- | -- |
| Florida..... | 3,456 | 3,350 | 3.2 | 3,324 | 3,227 | 109 | 112 | -- | -- | 24 | 12 |
| Georgia..... | 42 | 36 | 17.2 | 25 | 5 | NM | NM | 1 | * | 16 | 31 |
| Maryland..... | 500 | 495 | .9 | NM | NM | 497 | 491 | * | * | NM | NM |
| North Carolina..... | 32 | 23 | 39.7 | 11 | 10 | NM | NM | NM | NM | 21 | 12 |
| South Carolina..... | 25 | 20 | 24.8 | 8 | 14 | -- | -- | NM | NM | 17 | 6 |
| Virginia..... | 454 | 741 | -38.8 | 427 | 676 | 19 | 55 | NM | NM | 8 | 9 |
| West Virginia..... | 10 | 15 | -31.7 | 10 | 13 | * | 2 | -- | -- | * | * |
| East South Central..... | 224 | 328 | -31.5 | 205 | 318 | 1 | 2 | NM | NM | 19 | 7 |
| Alabama..... | 19 | 16 | 17.6 | 8 | 11 | NM | NM | -- | -- | 11 | 5 |
| Kentucky..... | 5 | 9 | -41.1 | 4 | 7 | 1 | 2 | -- | -- | -- | -- |
| Mississippi..... | 181 | 293 | -38.2 | 176 | 292 | -- | -- | NM | NM | 5 | 1 |
| Tennessee..... | 19 | 9 | 99.8 | 16 | 8 | -- | -- | -- | -- | 3 | 1 |
| West South Central..... | 233 | 83 | 179.9 | 214 | 59 | 3 | 13 | * | * | 15 | 11 |
| Arkansas..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | 2 | 2 |
| Louisiana..... | 201 | 11 | NM | 197 | 8 | * | 1 | -- | -- | 4 | 2 |
| Oklahoma..... | 5 | 3 | 49.5 | * | 1 | -- | -- | -- | * | 5 | 3 |
| Texas..... | 11 | 21 | -45.9 | 3 | 3 | 3 | 12 | * | * | 5 | 5 |
| Mountain..... | 16 | 17 | -3.9 | 14 | 15 | 2 | 1 | NM | NM | NM | NM |
| Arizona..... | 4 | 4 | -13.6 | 3 | 4 | -- | -- | NM | NM | NM | NM |
| Colorado..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Idaho..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Montana..... | 2 | 1 | 169.4 | NM | NM | 2 | 1 | -- | -- | -- | -- |
| Nevada..... | 2 | 1 | 23.6 | 2 | 1 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 2 | 1 | 70.2 | 2 | 1 | NM | NM | -- | -- | NM | NM |
| Utah..... | 3 | 3 | -4.1 | 3 | 3 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 3 | 4 | -40.9 | 2 | 4 | -- | -- | -- | -- | * | * |
| Pacific Contiguous..... | 13 | 87 | -85.5 | 9 | 7 | 1 | 12 | NM | NM | NM | NM |
| California..... | 5 | 81 | -93.7 | 4 | 4 | 1 | 12 | * | * | NM | NM |
| Oregon..... | 1 | 3 | -43.0 | 1 | 3 | -- | -- | NM | NM | -- | -- |
| Washington..... | NM | NM | -- | 4 | 1 | * | * | -- | -- | NM | NM |
| Pacific Noncontiguous.. | 825 | 829 | -.5 | 667 | 637 | 139 | 172 | 1 | 2 | 17 | 18 |
| Alaska..... | 40 | 69 | -42.5 | 34 | 59 | * | * | 1 | 2 | 5 | 8 |
| Hawaii..... | 785 | 760 | 3.3 | 633 | 578 | 139 | 172 | -- | -- | 13 | 10 |
| U.S. Total..... | 9,102 | 10,742 | -15.3 | 6,027 | 6,679 | 2,774 | 3,752 | 32 | 43 | 268 | 268 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 1.8.B. Net Generation from Petroleum Liquids by State by Sector, Year-to-Date through August 2004 and 2003

(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|---------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 9,449 | 9,690 | -2.5 | 1,558 | 1,623 | 6,990 | 7,291 | 234 | 169 | 666 | 607 |
| Connecticut..... | 1,282 | 1,731 | -25.9 | NM | NM | 1,252 | 1,695 | NM | NM | NM | NM |
| Maine..... | 1,141 | 1,461 | -21.9 | -- | -- | 639 | 1,030 | NM | NM | 499 | 429 |
| Massachusetts..... | 5,641 | 4,973 | 13.4 | 237 | 187 | 5,095 | 4,551 | 181 | 106 | NM | NM |
| New Hampshire..... | 1,336 | 1,456 | -8.2 | 1,308 | 1,404 | NM | NM | NM | NM | NM | NM |
| Rhode Island..... | NM | NM | -- | NM | NM | NM | NM | NM | NM | NM | NM |
| Vermont..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 19,610 | 17,928 | 9.4 | 6,375 | 6,872 | 12,942 | 10,670 | 73 | 69 | 219 | 317 |
| New Jersey..... | 1,031 | 1,357 | -24.0 | 90 | 191 | 879 | 1,018 | NM | NM | 61 | 144 |
| New York..... | 15,680 | 13,214 | 18.7 | 6,267 | 6,660 | 9,242 | 6,389 | 68 | 61 | 102 | 104 |
| Pennsylvania..... | 2,899 | 3,358 | -13.7 | 18 | 21 | 2,821 | 3,263 | NM | NM | NM | NM |
| East North Central..... | 1,717 | 2,313 | -25.8 | 997 | 1,157 | 632 | 1,031 | NM | NM | 85 | 108 |
| Illinois..... | 618 | 1,056 | -41.5 | 17 | 36 | 600 | 1,016 | NM | NM | NM | NM |
| Indiana..... | 108 | 173 | -37.7 | 99 | 125 | * | 3 | 1 | 3 | 8 | 42 |
| Michigan..... | 648 | 673 | -3.6 | 628 | 661 | NM | NM | NM | NM | NM | NM |
| Ohio..... | 235 | 303 | -22.5 | 203 | 287 | 20 | 10 | NM | NM | 11 | 4 |
| Wisconsin..... | 109 | 108 | .2 | 51 | 49 | 12 | 2 | * | 8 | NM | NM |
| West North Central..... | 952 | 1,139 | -16.4 | 934 | 1,101 | 7 | 13 | 8 | 10 | NM | NM |
| Iowa..... | 47 | 59 | -19.7 | 45 | 55 | NM | NM | NM | NM | NM | NM |
| Kansas..... | 756 | 828 | -8.7 | 756 | 828 | -- | -- | -- | -- | NM | NM |
| Minnesota..... | 49 | 85 | -41.9 | 36 | 65 | 5 | 10 | 7 | 5 | NM | NM |
| Missouri..... | 51 | 84 | -39.7 | 50 | 83 | -- | -- | NM | NM | NM | NM |
| Nebraska..... | 14 | 37 | -62.2 | 14 | 34 | -- | -- | 1 | 3 | -- | -- |
| North Dakota..... | 21 | 36 | -40.9 | 20 | 27 | -- | -- | -- | -- | 1 | 10 |
| South Dakota..... | 13 | 9 | 41.7 | 13 | 9 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 30,535 | 32,392 | -5.7 | 24,779 | 25,580 | 4,821 | 6,030 | 4 | 89 | 931 | 692 |
| Delaware..... | 807 | 1,301 | -38.0 | 113 | 87 | 501 | 1,128 | -- | -- | 193 | 86 |
| District of Columbia..... | 33 | 77 | -57.4 | -- | -- | 33 | 77 | -- | -- | -- | -- |
| Florida..... | 20,842 | 21,672 | -3.8 | 19,950 | 20,507 | 700 | 1,073 | -- | -- | 192 | 92 |
| Georgia..... | 253 | 467 | -45.9 | 120 | 180 | NM | NM | 2 | 2 | 127 | 209 |
| Maryland..... | 3,218 | 2,885 | 11.5 | NM | NM | 3,190 | 2,848 | NM | NM | NM | NM |
| North Carolina..... | 409 | 634 | -35.5 | 176 | 398 | 15 | 89 | NM | NM | 218 | 146 |
| South Carolina..... | 315 | 292 | 7.8 | 167 | 186 | 11 | 18 | NM | NM | 137 | 87 |
| Virginia..... | 4,471 | 4,882 | -8.4 | 4,062 | 4,042 | 348 | 690 | NM | NM | 60 | 66 |
| West Virginia..... | 189 | 180 | 4.9 | 166 | 147 | 21 | 29 | -- | -- | 2 | 4 |
| East South Central..... | 2,435 | 1,593 | 52.9 | 2,274 | 1,442 | 22 | 34 | NM | NM | 139 | 116 |
| Alabama..... | 158 | 230 | -31.5 | 63 | 142 | 2 | 5 | -- | -- | 93 | 83 |
| Kentucky..... | 77 | 122 | -36.7 | 58 | 94 | 19 | 28 | -- | -- | -- | -- |
| Mississippi..... | 2,076 | 972 | 113.6 | 2,049 | 956 | -- | -- | NM | NM | 27 | 15 |
| Tennessee..... | 125 | 270 | -53.8 | 105 | 250 | -- | 2 | -- | -- | 19 | 18 |
| West South Central..... | 1,701 | 2,806 | -39.4 | 1,439 | 2,089 | 107 | 596 | NM | NM | 153 | 119 |
| Arkansas..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | 36 | 19 |
| Louisiana..... | 1,324 | 920 | 44.0 | 1,271 | 873 | 9 | 15 | -- | -- | 44 | 33 |
| Oklahoma..... | 47 | 141 | -66.4 | 12 | 109 | -- | -- | * | 1 | 35 | 31 |
| Texas..... | 188 | 1,528 | -87.7 | 50 | 909 | 98 | 581 | NM | NM | 38 | 36 |
| Mountain..... | 224 | 189 | 18.9 | 203 | 156 | 15 | 17 | NM | NM | NM | NM |
| Arizona..... | 23 | 29 | -20.1 | 23 | 28 | -- | -- | NM | NM | NM | NM |
| Colorado..... | 13 | 32 | -57.7 | 10 | 14 | NM | NM | -- | -- | NM | NM |
| Idaho..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Montana..... | 12 | 10 | 16.7 | NM | NM | 11 | 9 | -- | -- | -- | -- |
| Nevada..... | 91 | 16 | 462.1 | 91 | 16 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 23 | 32 | -25.8 | 19 | 29 | NM | NM | -- | -- | NM | NM |
| Utah..... | 30 | 38 | -22.5 | 30 | 38 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 32 | 32 | 1.7 | 30 | 30 | -- | -- | -- | -- | NM | NM |
| Pacific Contiguous..... | 192 | 395 | -51.2 | 66 | 80 | 59 | 43 | NM | NM | 67 | 271 |
| California..... | 113 | 300 | -62.4 | 38 | 34 | 51 | 39 | 1 | 1 | 23 | 226 |
| Oregon..... | 25 | 43 | -42.8 | 19 | 41 | -- | -- | NM | NM | NM | NM |
| Washington..... | 55 | 52 | 6.2 | 8 | 5 | 8 | 4 | -- | * | NM | NM |
| Pacific Noncontiguous.. | 6,124 | 6,088 | .6 | 4,884 | 4,765 | 1,065 | 1,095 | 9 | 15 | 166 | 213 |
| Alaska..... | 437 | 586 | -25.3 | 385 | 494 | 2 | 3 | 9 | 15 | 42 | 74 |
| Hawaii..... | 5,686 | 5,502 | 3.3 | 4,499 | 4,271 | 1,063 | 1,093 | -- | -- | 124 | 139 |
| U.S. Total..... | 72,939 | 74,532 | -2.1 | 43,509 | 44,866 | 26,659 | 26,821 | 334 | 373 | 2,437 | 2,472 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 1.9.A. Net Generation from Petroleum Coke by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|--------------|----------------|---------------------------------|------------|-----------------------------|------------|--------------------------------|----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 65 | 84 | -22.5 | -- | -- | 48 | 68 | -- | -- | 18 | 16 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 11 | 10 | 18.7 | -- | -- | 11 | 10 | -- | -- | -- | -- |
| Pennsylvania..... | 54 | 75 | -27.7 | -- | -- | 37 | 59 | -- | -- | 18 | 16 |
| East North Central..... | 40 | 81 | -50.3 | 26 | 58 | -- | -- | -- | -- | 15 | 24 |
| Illinois..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Indiana..... | 17 | 44 | -60.9 | 17 | 44 | -- | -- | -- | -- | -- | -- |
| Michigan..... | -- | 3 | -- | -- | 3 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 22 | 32 | -32.4 | 9 | 11 | -- | -- | -- | -- | 13 | 21 |
| West North Central..... | 97 | 78 | 24.8 | 97 | 77 | -- | -- | -- | 1 | -- | -- |
| Iowa..... | -- | 1 | -- | -- | -- | -- | -- | -- | 1 | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 77 | 73 | 6.0 | 77 | 73 | -- | -- | -- | -- | -- | -- |
| Missouri..... | 20 | 5 | 329.0 | 20 | 5 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 707 | 585 | 20.9 | 663 | 546 | -- | -- | -- | -- | 45 | 39 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 663 | 546 | 21.4 | 663 | 546 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 45 | 39 | 13.6 | -- | -- | -- | -- | -- | -- | 45 | 39 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 244 | 328 | -25.5 | -- | -- | 244 | 328 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 244 | 328 | -25.5 | -- | -- | 244 | 328 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 279 | 231 | 21.2 | -- | -- | 275 | 210 | -- | -- | 5 | 21 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 165 | 173 | -4.5 | -- | -- | 165 | 173 | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 114 | 57 | 98.6 | -- | -- | 109 | 37 | -- | -- | 5 | 21 |
| Mountain..... | 36 | 35 | 2.1 | -- | -- | 36 | 35 | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 36 | 35 | 2.1 | -- | -- | 36 | 35 | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 219 | 181 | 21.1 | -- | -- | 179 | 141 | -- | -- | 40 | 39 |
| California..... | 219 | 181 | 21.1 | -- | -- | 179 | 141 | -- | -- | 40 | 39 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 1,689 | 1,603 | 5.3 | 786 | 681 | 781 | 783 | -- | 1 | 121 | 139 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.9.B. Net Generation from Petroleum Coke by State by Sector, Year-to-Date through August 2004 and 2003

(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|--------------|-----------------------------|--------------|--------------------------------|----------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 507 | 424 | 19.7 | -- | -- | 371 | 312 | -- | -- | 136 | 112 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 71 | 48 | 47.4 | -- | -- | 71 | 48 | -- | -- | -- | -- |
| Pennsylvania..... | 436 | 376 | 16.1 | -- | -- | 299 | 264 | -- | -- | 136 | 112 |
| East North Central..... | 422 | 408 | 3.3 | 292 | 242 | -- | -- | -- | -- | 130 | 166 |
| Illinois..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Indiana..... | 221 | 142 | 55.7 | 221 | 142 | -- | -- | -- | -- | -- | -- |
| Michigan..... | * | 22 | -98.3 | * | 22 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 187 | 230 | -18.5 | 70 | 78 | -- | -- | -- | -- | 117 | 152 |
| West North Central..... | 467 | 513 | -8.9 | 464 | 509 | -- | -- | 3 | 4 | -- | -- |
| Iowa..... | 3 | 4 | -8.8 | -- | -- | -- | -- | 3 | 4 | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 442 | 462 | -4.4 | 442 | 462 | -- | -- | -- | -- | -- | -- |
| Missouri..... | 22 | 47 | -53.0 | 22 | 47 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 4,839 | 4,093 | 18.2 | 4,439 | 3,702 | -- | -- | -- | -- | 400 | 392 |
| Delaware..... | 29 | 55 | -46.8 | -- | -- | -- | -- | -- | -- | 29 | 55 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 4,439 | 3,702 | 19.9 | 4,439 | 3,702 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 371 | 336 | 10.2 | -- | -- | -- | -- | -- | -- | 371 | 336 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 2,426 | 1,517 | 60.0 | -- | 16 | 2,426 | 1,500 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 2,426 | 1,517 | 60.0 | -- | 16 | 2,426 | 1,500 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 2,034 | 1,582 | 28.6 | -- | 64 | 1,995 | 1,351 | -- | -- | 39 | 167 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 1,243 | 1,170 | 6.3 | -- | -- | 1,243 | 1,170 | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 791 | 413 | 91.7 | -- | 64 | 752 | 181 | -- | -- | 39 | 167 |
| Mountain..... | 285 | 295 | -3.5 | -- | -- | 285 | 295 | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 285 | 295 | -3.5 | -- | -- | 285 | 295 | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 1,310 | 1,390 | -5.8 | -- | -- | 1,143 | 1,110 | -- | -- | 167 | 280 |
| California..... | 1,310 | 1,390 | -5.8 | -- | -- | 1,143 | 1,110 | -- | -- | 167 | 280 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 12,291 | 10,223 | 20.2 | 5,195 | 4,534 | 6,219 | 4,568 | 3 | 4 | 873 | 1,117 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.10.A. Net Generation from Natural Gas by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|---------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 5,154 | 4,760 | 8.3 | 18 | 49 | 4,939 | 4,475 | 34 | 39 | 163 | 197 |
| Connecticut..... | 971 | 643 | 51.0 | -- | -- | 949 | 614 | NM | NM | NM | NM |
| Maine..... | 1,058 | 982 | 7.7 | -- | -- | 938 | 841 | NM | NM | 120 | 141 |
| Massachusetts..... | 2,135 | 2,579 | -17.2 | 18 | 49 | 2,069 | 2,474 | 30 | 35 | NM | NM |
| New Hampshire..... | 458 | 9 | NM | NM | NM | 452 | -- | -- | -- | NM | NM |
| Rhode Island..... | 531 | 547 | -2.8 | -- | -- | 531 | 547 | NM | NM | -- | -- |
| Vermont..... | * | * | -1.0 | * | * | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 6,234 | 7,201 | -13.4 | 817 | 1,214 | 5,093 | 5,607 | 44 | 56 | 279 | 324 |
| New Jersey..... | 2,121 | 2,115 | .2 | NM | NM | 1,971 | 1,959 | NM | NM | 130 | 129 |
| New York..... | 2,858 | 3,918 | -27.1 | 812 | 1,206 | 1,945 | 2,580 | NM | NM | 85 | 120 |
| Pennsylvania..... | 1,256 | 1,168 | 7.5 | NM | NM | 1,176 | 1,069 | NM | NM | NM | NM |
| East North Central..... | 2,401 | 4,408 | -45.5 | 244 | 919 | 2,012 | 3,302 | 50 | 35 | 95 | 153 |
| Illinois..... | 470 | 1,163 | -59.6 | NM | NM | 373 | 995 | 40 | 23 | NM | NM |
| Indiana..... | 235 | 535 | -56.0 | 87 | 192 | 130 | 320 | NM | NM | NM | NM |
| Michigan..... | 1,343 | 1,650 | -18.6 | 78 | 294 | 1,249 | 1,332 | NM | NM | NM | NM |
| Ohio..... | 190 | 699 | -72.9 | 25 | 141 | 161 | 553 | NM | NM | NM | NM |
| Wisconsin..... | 163 | 361 | -54.7 | 41 | 216 | 98 | 102 | 8 | 8 | NM | NM |
| West North Central..... | 631 | 1,779 | -64.5 | 495 | 1,421 | 110 | 314 | 9 | 17 | NM | NM |
| Iowa..... | 42 | 85 | -50.7 | 41 | 69 | -- | -- | NM | NM | -- | 14 |
| Kansas..... | 133 | 350 | -61.9 | 130 | 346 | -- | -- | NM | NM | NM | NM |
| Minnesota..... | 83 | 439 | -81.1 | 42 | 314 | NM | NM | 7 | 13 | 12 | 9 |
| Missouri..... | 328 | 768 | -57.3 | 239 | 556 | 88 | 210 | * | * | NM | NM |
| Nebraska..... | 32 | 114 | -72.1 | 31 | 113 | NM | NM | 1 | 1 | NM | NM |
| North Dakota..... | * | * | 54.8 | NM | NM | -- | -- | -- | -- | * | * |
| South Dakota..... | 14 | 23 | -42.1 | 14 | 23 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 10,691 | 10,499 | 1.8 | 8,253 | 7,235 | 2,232 | 3,058 | NM | NM | 200 | 178 |
| Delaware..... | 128 | 263 | -51.4 | NM | NM | 127 | 260 | -- | -- | * | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 7,552 | 6,493 | 16.3 | 6,558 | 5,573 | 869 | 805 | NM | NM | 119 | 108 |
| Georgia..... | 1,002 | 1,122 | -10.7 | 294 | 297 | 671 | 800 | -- | -- | 37 | 25 |
| Maryland..... | 96 | 559 | -82.8 | NM | NM | 92 | 554 | -- | -- | NM | NM |
| North Carolina..... | 434 | 635 | -31.7 | 344 | 401 | 88 | 232 | * | 1 | NM | NM |
| South Carolina..... | 529 | 517 | 2.3 | 445 | 382 | 84 | 135 | NM | NM | * | * |
| Virginia..... | 932 | 843 | 10.6 | 611 | 578 | 293 | 215 | -- | 19 | 28 | 30 |
| West Virginia..... | 17 | 66 | -73.4 | * | * | 8 | 58 | -- | -- | NM | NM |
| East South Central..... | 3,548 | 3,819 | -7.1 | 1,502 | 1,484 | 1,866 | 2,093 | 10 | 6 | 170 | 235 |
| Alabama..... | 2,050 | 2,439 | -15.9 | 882 | 1,012 | 1,084 | 1,305 | -- | -- | 84 | 123 |
| Kentucky..... | 57 | 100 | -43.3 | 39 | 58 | 2 | 20 | -- | -- | NM | NM |
| Mississippi..... | 1,400 | 1,226 | 14.2 | 570 | 387 | 775 | 768 | 2 | 2 | NM | NM |
| Tennessee..... | 40 | 54 | -25.2 | 10 | 28 | 5 | -- | 7 | 4 | NM | NM |
| West South Central..... | 27,722 | 30,492 | -9.1 | 6,377 | 9,248 | 16,600 | 16,795 | 52 | 52 | 4,693 | 4,398 |
| Arkansas..... | 687 | 441 | 56.1 | 35 | 120 | 640 | 305 | NM | NM | NM | NM |
| Louisiana..... | 4,610 | 4,533 | 1.7 | 1,595 | 1,589 | 1,081 | 1,399 | 4 | 2 | 1,931 | 1,542 |
| Oklahoma..... | 2,794 | 3,808 | -26.6 | 1,669 | 2,149 | 1,081 | 1,614 | NM | NM | 42 | 43 |
| Texas..... | 19,631 | 21,710 | -9.6 | 3,078 | 5,391 | 13,799 | 13,476 | 46 | 46 | 2,708 | 2,797 |
| Mountain..... | 6,454 | 6,084 | 6.1 | 1,961 | 2,355 | 4,428 | 3,644 | NM | NM | NM | NM |
| Arizona..... | 2,783 | 2,603 | 6.9 | 640 | 545 | 2,141 | 2,057 | NM | NM | NM | NM |
| Colorado..... | 1,108 | 1,109 | -1 | 359 | 454 | 736 | 629 | 9 | 19 | NM | NM |
| Idaho..... | 167 | 32 | 425.7 | NM | NM | 160 | 19 | -- | -- | NM | NM |
| Montana..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Nevada..... | 1,817 | 1,561 | 16.4 | 484 | 684 | 1,333 | 876 | -- | -- | -- | -- |
| New Mexico..... | 370 | 516 | -28.3 | 300 | 447 | NM | NM | NM | NM | NM | NM |
| Utah..... | 178 | 226 | -21.2 | 160 | 195 | -- | 10 | NM | NM | NM | NM |
| Wyoming..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Pacific Contiguous..... | 12,608 | 11,279 | 11.8 | 1,755 | 1,839 | 9,444 | 8,183 | 154 | 167 | 1,255 | 1,091 |
| California..... | 10,155 | 9,144 | 11.1 | 1,207 | 1,180 | 7,632 | 6,747 | 152 | 163 | 1,164 | 1,054 |
| Oregon..... | 1,372 | 1,296 | 5.9 | 300 | 357 | 985 | 907 | NM | NM | 87 | 31 |
| Washington..... | 1,081 | 840 | 28.7 | 248 | 302 | 827 | 529 | NM | NM | 4 | 6 |
| Pacific Noncontiguous.. | 264 | 343 | -23.0 | 231 | 255 | -- | -- | -- | -- | NM | NM |
| Alaska..... | 264 | 343 | -23.0 | 231 | 255 | -- | -- | -- | -- | NM | NM |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 75,707 | 80,665 | -6.1 | 21,653 | 26,020 | 46,724 | 47,471 | 376 | 427 | 6,954 | 6,748 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 1.10.B. Net Generation from Natural Gas by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|----------------|--------------------------------|--------------|--------------------------------|---------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 32,143 | 27,874 | 15.3 | 98 | 97 | 30,583 | 26,066 | 243 | 216 | 1,219 | 1,495 |
| Connecticut..... | 5,521 | 3,737 | 47.7 | -- | -- | 5,381 | 3,588 | NM | NM | 120 | 128 |
| Maine..... | 7,253 | 6,472 | 12.1 | -- | -- | 6,314 | 5,261 | NM | NM | 940 | 1,211 |
| Massachusetts..... | 15,032 | 14,283 | 5.2 | 95 | 96 | 14,599 | 13,883 | 222 | 194 | 116 | 110 |
| New Hampshire..... | 976 | 46 | NM | NM | NM | 933 | -- | -- | -- | NM | NM |
| Rhode Island..... | 3,357 | 3,335 | .7 | -- | -- | 3,356 | 3,334 | NM | NM | -- | -- |
| Vermont..... | 2 | 1 | 132.7 | 2 | 1 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 36,002 | 33,323 | 8.0 | 4,439 | 5,690 | 29,446 | 25,433 | 353 | 312 | 1,764 | 1,887 |
| New Jersey..... | 11,651 | 9,913 | 17.5 | 27 | 20 | 10,749 | 9,040 | 94 | 101 | 780 | 753 |
| New York..... | 17,056 | 19,469 | -12.4 | 4,411 | 5,668 | 11,948 | 13,106 | 133 | 95 | 564 | 600 |
| Pennsylvania..... | 7,295 | 3,940 | 85.2 | NM | NM | 6,749 | 3,287 | 125 | 117 | 420 | 533 |
| East North Central..... | 17,165 | 16,480 | 4.2 | 2,168 | 3,408 | 13,911 | 11,880 | 392 | 187 | 693 | 1,005 |
| Illinois..... | 2,763 | 3,420 | -19.2 | 113 | 260 | 2,055 | 2,637 | 317 | 120 | 278 | 403 |
| Indiana..... | 2,002 | 2,253 | -11.1 | 832 | 1,082 | 1,028 | 948 | 6 | 6 | 136 | 216 |
| Michigan..... | 9,908 | 7,971 | 24.3 | 486 | 920 | 9,288 | 6,907 | NM | NM | 126 | 131 |
| Ohio..... | 1,103 | 1,178 | -6.4 | 228 | 283 | 846 | 866 | NM | NM | NM | NM |
| Wisconsin..... | 1,388 | 1,657 | -16.2 | 509 | 861 | 695 | 521 | 60 | 41 | 125 | 234 |
| West North Central..... | 4,570 | 5,550 | -17.7 | 3,376 | 4,057 | 957 | 1,175 | 74 | 86 | 163 | 232 |
| Iowa..... | 270 | 284 | -4.9 | 236 | 200 | -- | -- | NM | NM | NM | NM |
| Kansas..... | 650 | 1,131 | -42.5 | 628 | 1,039 | -- | -- | NM | NM | NM | NM |
| Minnesota..... | 1,187 | 1,325 | -10.5 | 728 | 723 | 297 | 475 | 53 | 66 | 108 | 61 |
| Missouri..... | 2,150 | 2,384 | -9.8 | 1,483 | 1,677 | 660 | 700 | 2 | 3 | NM | NM |
| Nebraska..... | 243 | 343 | -29.1 | 235 | 336 | NM | NM | 6 | 4 | NM | NM |
| North Dakota..... | 4 | 1 | 164.8 | NM | NM | -- | -- | -- | -- | 4 | 1 |
| South Dakota..... | 66 | 82 | -18.8 | 66 | 82 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 67,804 | 58,146 | 16.6 | 51,866 | 43,336 | 14,489 | 13,543 | 44 | 116 | 1,405 | 1,150 |
| Delaware..... | 1,030 | 930 | 10.8 | NM | NM | 1,022 | 918 | -- | -- | 2 | * |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 49,106 | 43,807 | 12.1 | 43,765 | 38,347 | 4,417 | 4,790 | 42 | 43 | 882 | 628 |
| Georgia..... | 6,151 | 3,877 | 58.6 | 1,771 | 742 | 4,114 | 2,917 | -- | -- | 267 | 218 |
| Maryland..... | 667 | 1,826 | -63.5 | NM | NM | 640 | 1,797 | -- | -- | NM | NM |
| North Carolina..... | 3,383 | 2,701 | 25.3 | 1,647 | 1,117 | 1,726 | 1,566 | * | 3 | NM | NM |
| South Carolina..... | 2,415 | 1,877 | 28.7 | 1,850 | 1,573 | 559 | 297 | NM | NM | NM | NM |
| Virginia..... | 4,871 | 2,938 | 65.8 | 2,823 | 1,542 | 1,899 | 1,118 | -- | 69 | 149 | 209 |
| West Virginia..... | 181 | 190 | -4.5 | 2 | 3 | 112 | 140 | -- | -- | 66 | 48 |
| East South Central..... | 21,319 | 17,918 | 19.0 | 9,931 | 11,204 | 9,978 | 5,207 | 67 | 43 | 1,344 | 1,465 |
| Alabama..... | 12,445 | 9,383 | 32.6 | 5,695 | 5,682 | 6,004 | 2,884 | -- | -- | 746 | 817 |
| Kentucky..... | 449 | 365 | 22.9 | 322 | 192 | 17 | 49 | -- | 9 | 111 | 115 |
| Mississippi..... | 8,172 | 7,828 | 4.4 | 3,844 | 5,141 | 3,941 | 2,257 | 16 | 13 | 371 | 416 |
| Tennessee..... | 253 | 341 | -25.9 | 70 | 188 | NM | NM | 50 | 21 | 117 | 116 |
| West South Central..... | 172,689 | 179,236 | -3.7 | 39,957 | 47,520 | 95,912 | 97,346 | 329 | 867 | 36,490 | 33,502 |
| Arkansas..... | 2,800 | 2,714 | 3.2 | 234 | 407 | 2,452 | 2,147 | NM | NM | 112 | 158 |
| Louisiana..... | 30,651 | 27,865 | 10.0 | 8,425 | 9,591 | 6,642 | 5,777 | 8 | 549 | 15,577 | 11,949 |
| Oklahoma..... | 16,926 | 15,319 | 10.5 | 9,477 | 10,444 | 7,119 | 4,529 | NM | NM | 320 | 331 |
| Texas..... | 122,312 | 133,338 | -8.3 | 21,821 | 27,079 | 79,699 | 84,893 | 310 | 301 | 20,481 | 21,065 |
| Mountain..... | 37,285 | 30,436 | 22.5 | 12,719 | 13,163 | 24,113 | 16,645 | 117 | 171 | 336 | 457 |
| Arizona..... | 16,441 | 11,969 | 37.4 | 4,053 | 2,827 | 12,380 | 9,131 | NM | NM | NM | NM |
| Colorado..... | 7,272 | 5,904 | 23.2 | 2,751 | 3,324 | 4,421 | 2,427 | 63 | 112 | NM | NM |
| Idaho..... | 471 | 189 | 148.8 | 36 | 58 | 416 | 98 | -- | -- | 20 | 34 |
| Montana..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Nevada..... | 9,551 | 8,235 | 16.0 | 3,026 | 3,681 | 6,524 | 4,555 | -- | -- | -- | -- |
| New Mexico..... | 2,481 | 2,584 | -4.0 | 2,033 | 2,117 | 296 | 316 | NM | NM | 122 | 116 |
| Utah..... | 838 | 1,207 | -30.5 | 723 | 1,042 | -- | 36 | NM | NM | NM | NM |
| Wyoming..... | 222 | 330 | -32.8 | 94 | 102 | 75 | 82 | -- | -- | NM | NM |
| Pacific Contiguous..... | 73,200 | 64,745 | 13.1 | 9,606 | 8,630 | 54,501 | 46,346 | 1,010 | 1,071 | 8,083 | 8,698 |
| California..... | 60,062 | 54,491 | 10.2 | 6,722 | 6,390 | 44,603 | 38,694 | 993 | 1,039 | 7,744 | 8,368 |
| Oregon..... | 7,832 | 6,297 | 24.4 | 1,374 | 1,045 | 6,151 | 4,975 | NM | NM | 304 | 274 |
| Washington..... | 5,306 | 3,957 | 34.1 | 1,511 | 1,195 | 3,746 | 2,677 | NM | NM | 35 | 57 |
| Pacific Noncontiguous.. | 2,625 | 2,738 | -4.1 | 2,192 | 2,164 | -- | -- | -- | -- | 433 | 574 |
| Alaska..... | 2,625 | 2,738 | -4.1 | 2,192 | 2,164 | -- | -- | -- | -- | 433 | 574 |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 464,801 | 436,444 | 6.5 | 136,352 | 139,269 | 273,891 | 243,640 | 2,628 | 3,070 | 51,931 | 50,465 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 1.11.A. Net Generation from Other Gases by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------|----------------|---------------------------------|----------|-----------------------------|-----------|--------------------------------|----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Connecticut..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Maine..... | * | * | -47.8 | -- | -- | * | * | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 67 | 62 | 8.1 | -- | -- | * | * | -- | -- | 67 | 62 |
| New Jersey..... | NM | NM | -- | -- | -- | -- | * | -- | -- | NM | NM |
| New York..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Pennsylvania..... | 49 | 51 | -3.6 | -- | -- | * | * | -- | -- | 49 | 51 |
| East North Central..... | 353 | 173 | 103.6 | -- | -- | 12 | 7 | -- | -- | 341 | 167 |
| Illinois..... | 24 | 19 | 28.1 | -- | -- | -- | -- | -- | -- | 24 | 19 |
| Indiana..... | 303 | 140 | 116.0 | -- | -- | NM | NM | -- | -- | 303 | 140 |
| Michigan..... | -- | * | -- | -- | -- | -- | * | -- | -- | -- | -- |
| Ohio..... | 26 | 14 | 85.0 | -- | -- | 11 | 6 | -- | -- | 14 | 8 |
| Wisconsin..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central..... | 6 | 4 | 55.8 | * | * | -- | -- | -- | -- | 5 | 3 |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | * | * | 261.0 | * | * | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 5 | 3 | 48.5 | -- | -- | -- | -- | -- | -- | 5 | 3 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 84 | 41 | 104.5 | -- | -- | 39 | 25 | -- | -- | 45 | 16 |
| Delaware..... | 33 | -- | -- | -- | -- | -- | -- | -- | -- | 33 | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 4 | 1 | 244.5 | -- | -- | 3 | * | -- | -- | 1 | 1 |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | 36 | 25 | 40.6 | -- | -- | 36 | 25 | -- | -- | -- | -- |
| North Carolina..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 11 | 15 | -24.9 | -- | -- | -- | -- | -- | -- | 11 | 15 |
| East South Central..... | NM | NM | -- | * | -- | -- | -- | -- | -- | NM | NM |
| Alabama..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Kentucky..... | * | -- | -- | * | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | * | -- | -- | -- | -- | -- | -- | -- | -- | * | -- |
| Tennessee..... | -- | * | -- | -- | -- | -- | -- | -- | -- | -- | * |
| West South Central..... | 601 | 356 | 69.0 | -- | -- | 165 | 33 | -- | -- | 436 | 322 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 181 | 119 | 52.7 | -- | -- | -- | -- | -- | -- | 181 | 119 |
| Oklahoma..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Texas..... | 414 | 230 | 79.5 | -- | -- | 165 | 33 | -- | -- | 248 | 197 |
| Mountain..... | 18 | 2 | 736.9 | * | * | 18 | 2 | -- | -- | -- | * |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | * | * | -18.6 | * | * | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 1 | 2 | -38.7 | -- | -- | 1 | 2 | -- | -- | -- | -- |
| Nevada..... | 17 | -- | -- | -- | -- | 17 | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | * | -- | -- | -- | -- | -- | -- | -- | -- | * |
| Pacific Contiguous..... | 147 | 171 | -14.0 | -- | -- | 25 | 22 | -- | * | 122 | 149 |
| California..... | 122 | 149 | -18.2 | -- | -- | -- | -- | -- | * | 122 | 149 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | 25 | 22 | 14.2 | -- | -- | 25 | 22 | -- | -- | -- | -- |
| Pacific Noncontiguous.. | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 3 | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 3 | -- |
| U.S. Total..... | 1,295 | 818 | 58.2 | 1 | * | 260 | 89 | -- | * | 1,034 | 729 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 1.11.B. Net Generation from Other Gases by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|--------------|----------------|---------------------------------|----------|-----------------------------|------------|--------------------------------|------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Connecticut..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Maine..... | * | * | -19.0 | -- | -- | * | * | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 528 | 475 | 11.1 | -- | -- | 4 | 2 | -- | -- | 524 | 473 |
| New Jersey..... | 63 | 45 | 41.4 | -- | -- | -- | * | -- | -- | 63 | 44 |
| New York..... | 75 | 53 | 42.9 | -- | -- | -- | -- | -- | -- | 75 | 53 |
| Pennsylvania..... | 389 | 378 | 3.0 | -- | -- | 4 | 2 | -- | -- | 385 | 376 |
| East North Central..... | 2,652 | 1,513 | 75.3 | -- | -- | 102 | 59 | -- | -- | 2,550 | 1,454 |
| Illinois..... | 191 | 163 | 17.2 | -- | -- | -- | -- | -- | -- | 191 | 163 |
| Indiana..... | 2,261 | 1,250 | 80.9 | -- | -- | NM | NM | -- | -- | 2,258 | 1,248 |
| Michigan..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Ohio..... | 199 | 98 | 103.8 | -- | -- | 99 | 54 | -- | -- | 100 | 43 |
| Wisconsin..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central..... | 42 | 31 | 36.7 | 2 | 1 | -- | -- | -- | -- | 41 | 30 |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | 1 | 1 | 28.6 | 1 | 1 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | * | * | -21.8 | * | * | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 41 | 30 | 37.3 | -- | -- | -- | -- | -- | -- | 41 | 30 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 531 | 375 | 41.7 | -- | -- | 305 | 137 | -- | -- | 226 | 237 |
| Delaware..... | 127 | 149 | -14.8 | -- | -- | -- | -- | -- | -- | 127 | 149 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 35 | 11 | 227.9 | -- | -- | 28 | 1 | -- | -- | 7 | 10 |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | 276 | 137 | 101.6 | -- | -- | 276 | 137 | -- | -- | -- | -- |
| North Carolina..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| South Carolina..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 92 | 78 | 18.3 | -- | -- | -- | -- | -- | -- | 92 | 78 |
| East South Central..... | 86 | 94 | -8.7 | 1 | -- | -- | -- | -- | -- | 86 | 94 |
| Alabama..... | 85 | 92 | -8.3 | -- | -- | -- | -- | -- | -- | 85 | 92 |
| Kentucky..... | 1 | -- | -- | 1 | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 | -- |
| Tennessee..... | -- | 2 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| West South Central..... | 4,818 | 2,800 | 72.0 | -- | -- | 909 | 352 | -- | -- | 3,909 | 2,448 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 1,775 | 1,044 | 69.9 | -- | -- | -- | -- | -- | -- | 1,775 | 1,044 |
| Oklahoma..... | 57 | 56 | 1.6 | -- | -- | -- | -- | -- | -- | 57 | 56 |
| Texas..... | 2,987 | 1,701 | 75.6 | -- | -- | 909 | 352 | -- | -- | 2,078 | 1,348 |
| Mountain..... | 123 | 23 | 421.7 | 1 | 3 | 122 | 17 | -- | -- | -- | 3 |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | 1 | 3 | -64.8 | 1 | 3 | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 7 | 15 | -54.6 | -- | -- | 7 | 15 | -- | -- | -- | -- |
| Nevada..... | 115 | 2 | NM | -- | -- | 115 | 2 | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 3 |
| Pacific Contiguous..... | 1,403 | 1,296 | 8.2 | -- | -- | 162 | 239 | -- | * | 1,241 | 1,057 |
| California..... | 1,242 | 1,058 | 17.4 | -- | -- | NM | NM | -- | * | 1,241 | 1,057 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | 161 | 238 | -32.4 | -- | -- | 161 | 238 | -- | -- | -- | -- |
| Pacific Noncontiguous.. | 30 | -- | -- | -- | -- | -- | -- | -- | -- | 30 | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 30 | -- | -- | -- | -- | -- | -- | -- | -- | 30 | -- |
| U.S. Total..... | 10,219 | 6,608 | 54.6 | 3 | 4 | 1,610 | 807 | -- | * | 8,606 | 5,797 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

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Table 1.12.A. Net Generation from Nuclear Energy by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|---------------|--------------------------------|-----------|--------------------------------|-----------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 3,232 | 3,223 | .3 | -- | -- | 3,232 | 3,223 | -- | -- | -- | -- |
| Connecticut..... | 1,494 | 1,486 | .6 | -- | -- | 1,494 | 1,486 | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 508 | 498 | 1.9 | -- | -- | 508 | 498 | -- | -- | -- | -- |
| New Hampshire..... | 862 | 862 | .1 | -- | -- | 862 | 862 | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | 368 | 378 | -2.7 | -- | -- | 368 | 378 | -- | -- | -- | -- |
| Middle Atlantic..... | 13,291 | 12,425 | 7.0 | 1,235 | 1,549 | 12,056 | 10,876 | -- | -- | -- | -- |
| New Jersey..... | 2,897 | 2,708 | 7.0 | -- | -- | 2,897 | 2,708 | -- | -- | -- | -- |
| New York..... | 3,585 | 2,993 | 19.8 | -- | 317 | 3,585 | 2,675 | -- | -- | -- | -- |
| Pennsylvania..... | 6,809 | 6,724 | 1.3 | 1,235 | 1,232 | 5,574 | 5,492 | -- | -- | -- | -- |
| East North Central..... | 13,300 | 12,710 | 4.6 | 5,183 | 4,163 | 8,117 | 8,547 | -- | -- | -- | -- |
| Illinois..... | 8,117 | 8,547 | -5.0 | -- | -- | 8,117 | 8,547 | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 2,529 | 2,334 | 8.3 | 2,529 | 2,334 | -- | -- | -- | -- | -- | -- |
| Ohio..... | 1,470 | 674 | 118.1 | 1,470 | 674 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 1,184 | 1,154 | 2.6 | 1,184 | 1,154 | -- | -- | -- | -- | -- | -- |
| West North Central..... | 4,178 | 4,158 | .5 | 4,178 | 4,158 | -- | -- | -- | -- | -- | -- |
| Iowa..... | 425 | 419 | 1.4 | 425 | 419 | -- | -- | -- | -- | -- | -- |
| Kansas..... | 810 | 805 | .6 | 810 | 805 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 1,178 | 1,187 | -.8 | 1,178 | 1,187 | -- | -- | -- | -- | -- | -- |
| Missouri..... | 860 | 851 | 1.0 | 860 | 851 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | 905 | 895 | 1.2 | 905 | 895 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 18,059 | 17,729 | 1.9 | 16,786 | 16,471 | 1,273 | 1,258 | -- | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 2,906 | 2,909 | -1 | 2,906 | 2,909 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 2,939 | 2,704 | 8.7 | 2,939 | 2,704 | -- | -- | -- | -- | -- | -- |
| Maryland..... | 1,273 | 1,258 | 1.1 | -- | -- | 1,273 | 1,258 | -- | -- | -- | -- |
| North Carolina..... | 3,510 | 3,538 | -.8 | 3,510 | 3,538 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 4,847 | 4,739 | 2.3 | 4,847 | 4,739 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 2,584 | 2,580 | .2 | 2,584 | 2,580 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 6,345 | 6,188 | 2.5 | 6,345 | 6,188 | -- | -- | -- | -- | -- | -- |
| Alabama..... | 2,884 | 2,887 | -1 | 2,884 | 2,887 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | 944 | 943 | .1 | 944 | 943 | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 2,517 | 2,358 | 6.7 | 2,517 | 2,358 | -- | -- | -- | -- | -- | -- |
| West South Central..... | 6,390 | 5,974 | 7.0 | 2,801 | 4,319 | 3,589 | 1,655 | -- | -- | -- | -- |
| Arkansas..... | 1,348 | 1,233 | 9.3 | 1,348 | 1,233 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 1,453 | 1,536 | -5.4 | 1,453 | 1,536 | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 3,589 | 3,205 | 12.0 | -- | 1,550 | 3,589 | 1,655 | -- | -- | -- | -- |
| Mountain..... | 2,777 | 2,486 | 11.7 | 2,777 | 2,486 | -- | -- | -- | -- | -- | -- |
| Arizona..... | 2,777 | 2,486 | 11.7 | 2,777 | 2,486 | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 3,491 | 4,131 | -15.5 | 3,491 | 4,131 | -- | -- | -- | -- | -- | -- |
| California..... | 3,284 | 3,311 | -.8 | 3,284 | 3,311 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | 206 | 820 | -74.8 | 206 | 820 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 71,064 | 69,024 | 3.0 | 42,797 | 43,465 | 28,267 | 25,559 | -- | -- | -- | -- |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.12.B. Net Generation from Nuclear Energy by State by Sector, Year-to-Date through August 2004 and 2003

(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|----------------|--------------------------------|-----------|--------------------------------|-----------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 23,727 | 24,223 | -2.0 | -- | -- | 23,727 | 24,223 | -- | -- | -- | -- |
| Connecticut..... | 10,618 | 11,270 | -5.8 | -- | -- | 10,618 | 11,270 | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 3,952 | 3,185 | 24.1 | -- | -- | 3,952 | 3,185 | -- | -- | -- | -- |
| New Hampshire..... | 6,785 | 6,753 | .5 | -- | -- | 6,785 | 6,753 | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | 2,371 | 3,015 | -21.3 | -- | -- | 2,371 | 3,015 | -- | -- | -- | -- |
| Middle Atlantic..... | 98,886 | 97,566 | 1.4 | 11,638 | 11,239 | 87,248 | 86,327 | -- | -- | -- | -- |
| New Jersey..... | 19,272 | 20,994 | -8.2 | -- | -- | 19,272 | 20,994 | -- | -- | -- | -- |
| New York..... | 27,751 | 26,347 | 5.3 | 1,917 | 2,822 | 25,834 | 23,524 | -- | -- | -- | -- |
| Pennsylvania..... | 51,863 | 50,226 | 3.3 | 9,721 | 8,417 | 42,142 | 41,809 | -- | -- | -- | -- |
| East North Central..... | 102,151 | 95,004 | 7.5 | 40,340 | 30,720 | 61,811 | 64,284 | -- | -- | -- | -- |
| Illinois..... | 61,811 | 64,284 | -3.8 | -- | -- | 61,811 | 64,284 | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 22,314 | 17,437 | 28.0 | 22,314 | 17,437 | -- | -- | -- | -- | -- | -- |
| Ohio..... | 9,887 | 4,990 | 98.1 | 9,887 | 4,990 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 8,139 | 8,293 | -1.9 | 8,139 | 8,293 | -- | -- | -- | -- | -- | -- |
| West North Central..... | 30,959 | 30,192 | 2.5 | 30,959 | 30,192 | -- | -- | -- | -- | -- | -- |
| Iowa..... | 3,320 | 2,727 | 21.7 | 3,320 | 2,727 | -- | -- | -- | -- | -- | -- |
| Kansas..... | 6,715 | 6,783 | -1.0 | 6,715 | 6,783 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 9,471 | 8,978 | 5.5 | 9,471 | 8,978 | -- | -- | -- | -- | -- | -- |
| Missouri..... | 4,412 | 6,413 | -31.2 | 4,412 | 6,413 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | 7,041 | 5,291 | 33.1 | 7,041 | 5,291 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 134,975 | 131,815 | 2.4 | 125,525 | 123,190 | 9,450 | 8,625 | -- | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 22,175 | 21,028 | 5.5 | 22,175 | 21,028 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 22,004 | 22,211 | -9 | 22,004 | 22,211 | -- | -- | -- | -- | -- | -- |
| Maryland..... | 9,450 | 8,625 | 9.6 | -- | -- | 9,450 | 8,625 | -- | -- | -- | -- |
| North Carolina..... | 26,790 | 27,338 | -2.0 | 26,790 | 27,338 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 35,180 | 36,246 | -2.9 | 35,180 | 36,246 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 19,377 | 16,366 | 18.4 | 19,377 | 16,366 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 47,070 | 44,040 | 6.9 | 47,070 | 44,040 | -- | -- | -- | -- | -- | -- |
| Alabama..... | 21,184 | 20,467 | 3.5 | 21,184 | 20,467 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | 6,471 | 7,172 | -9.8 | 6,471 | 7,172 | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 19,415 | 16,401 | 18.4 | 19,415 | 16,401 | -- | -- | -- | -- | -- | -- |
| West South Central..... | 48,411 | 41,992 | 15.3 | 34,226 | 29,989 | 14,185 | 12,002 | -- | -- | -- | -- |
| Arkansas..... | 10,165 | 10,650 | -4.6 | 10,165 | 10,650 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 12,028 | 11,115 | 8.2 | 12,028 | 11,115 | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 26,218 | 20,226 | 29.6 | 12,033 | 8,224 | 14,185 | 12,002 | -- | -- | -- | -- |
| Mountain..... | 19,204 | 20,049 | -4.2 | 19,204 | 20,049 | -- | -- | -- | -- | -- | -- |
| Arizona..... | 19,204 | 20,049 | -4.2 | 19,204 | 20,049 | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 27,174 | 27,033 | .5 | 27,174 | 27,033 | -- | -- | -- | -- | -- | -- |
| California..... | 21,431 | 22,670 | -5.5 | 21,431 | 22,670 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | 5,743 | 4,364 | 31.6 | 5,743 | 4,364 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 532,557 | 511,913 | 4.0 | 336,137 | 316,452 | 196,420 | 195,461 | -- | -- | -- | -- |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report," and Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report."

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|--------------|--------------------------------|-----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 594 | 551 | 7.8 | 46 | 54 | 433 | 391 | * | * | 114 | 105 |
| Connecticut..... | 34 | 29 | 17.6 | NM | NM | 32 | 27 | -- | -- | -- | -- |
| Maine..... | 298 | 288 | 3.6 | NM | NM | 197 | 196 | -- | -- | 100 | 92 |
| Massachusetts..... | 71 | 64 | 10.3 | NM | NM | 69 | 63 | * | * | NM | NM |
| New Hampshire..... | 90 | 76 | 17.7 | 14 | 23 | 64 | 42 | -- | -- | NM | NM |
| Rhode Island..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Vermont..... | 101 | 93 | 8.2 | 29 | 28 | 70 | 64 | -- | -- | NM | NM |
| Middle Atlantic..... | 2,526 | 2,314 | 9.2 | 1,931 | 1,811 | 587 | 501 | * | -- | NM | NM |
| New Jersey..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| New York..... | 2,291 | 2,094 | 9.4 | 1,810 | 1,696 | 473 | 397 | * | -- | NM | NM |
| Pennsylvania..... | 233 | 217 | 7.4 | 121 | 115 | 112 | 102 | -- | -- | -- | -- |
| East North Central..... | 461 | 335 | 37.3 | 427 | 296 | 15 | 18 | NM | NM | 17 | 21 |
| Illinois..... | 12 | 13 | -11.3 | NM | NM | 7 | 8 | -- | * | -- | -- |
| Indiana..... | 53 | 48 | 10.8 | 53 | 48 | -- | -- | -- | -- | -- | -- |
| Michigan..... | 132 | 102 | 29.5 | 123 | 90 | 7 | 9 | -- | -- | NM | NM |
| Ohio..... | 52 | 44 | 19.1 | 52 | 44 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 212 | 129 | 64.5 | 195 | 108 | NM | NM | NM | NM | 15 | 19 |
| West North Central..... | 928 | 984 | -5.7 | 902 | 958 | 7 | 7 | -- | -- | 18 | 19 |
| Iowa..... | 82 | 54 | 52.3 | 80 | 52 | NM | NM | -- | -- | -- | -- |
| Kansas..... | 1 | 3 | -63.6 | -- | -- | 1 | 3 | -- | -- | 1 | -- |
| Minnesota..... | 89 | 100 | -10.3 | 66 | 78 | 5 | 3 | -- | -- | 18 | 19 |
| Missouri..... | 100 | 84 | 19.2 | 100 | 84 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | 103 | 114 | -9.9 | 103 | 114 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 138 | 177 | -22.0 | 138 | 177 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | 415 | 453 | -8.4 | 415 | 453 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 1,209 | 1,911 | -36.7 | 820 | 1,427 | 248 | 221 | 1 | * | 139 | 263 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 17 | 31 | -45.4 | 17 | 31 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 288 | 395 | -27.3 | 284 | 392 | NM | NM | -- | -- | NM | NM |
| Maryland..... | 205 | 184 | 11.2 | -- | -- | 205 | 184 | -- | -- | -- | -- |
| North Carolina..... | 374 | 656 | -42.9 | 266 | 455 | NM | NM | 1 | * | 106 | 199 |
| South Carolina..... | 128 | 344 | -62.8 | 124 | 340 | NM | NM | NM | NM | -- | -- |
| Virginia..... | 114 | 185 | -38.6 | 109 | 181 | NM | NM | -- | -- | NM | NM |
| West Virginia..... | 84 | 116 | -27.6 | 21 | 28 | 33 | 27 | -- | -- | 30 | 60 |
| East South Central..... | 1,806 | 2,395 | -24.6 | 1,748 | 2,312 | -- | 1 | -- | -- | 58 | 81 |
| Alabama..... | 606 | 871 | -30.4 | 606 | 871 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 330 | 370 | -10.9 | 330 | 370 | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | 1 | -- | -- | -- | -- | 1 | -- | -- | -- | -- |
| Tennessee..... | 870 | 1,152 | -24.5 | 812 | 1,071 | -- | -- | -- | -- | 58 | 81 |
| West South Central..... | 624 | 543 | 15.0 | 563 | 477 | 61 | 66 | -- | -- | -- | -- |
| Arkansas..... | 301 | 262 | 14.5 | 301 | 262 | NM | NM | -- | -- | -- | -- |
| Louisiana..... | 57 | 62 | -6.7 | -- | -- | 57 | 62 | -- | -- | -- | -- |
| Oklahoma..... | 182 | 111 | 63.4 | 182 | 111 | -- | -- | -- | -- | -- | -- |
| Texas..... | 84 | 107 | -21.5 | 81 | 103 | 4 | 4 | -- | -- | -- | -- |
| Mountain..... | 2,725 | 2,863 | -4.8 | 2,388 | 2,541 | 337 | 321 | -- | -- | -- | -- |
| Arizona..... | 640 | 692 | -7.5 | 640 | 692 | -- | -- | -- | -- | -- | -- |
| Colorado..... | 121 | 179 | -32.6 | 118 | 176 | NM | NM | -- | -- | -- | -- |
| Idaho..... | 909 | 907 | .2 | 815 | 809 | 94 | 98 | -- | -- | -- | -- |
| Montana..... | 817 | 824 | -.8 | 580 | 606 | 237 | 218 | -- | -- | -- | -- |
| Nevada..... | 123 | 113 | 8.6 | 121 | 112 | NM | NM | -- | -- | -- | -- |
| New Mexico..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Utah..... | 42 | 40 | 7.1 | 41 | 39 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 53 | 88 | -40.0 | 53 | 88 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 10,604 | 10,789 | -1.7 | 10,498 | 10,643 | 104 | 138 | 1 | 8 | NM | NM |
| California..... | 2,976 | 3,446 | -13.6 | 2,918 | 3,359 | 58 | 87 | -- | -- | -- | -- |
| Oregon..... | 2,039 | 2,095 | -2.7 | 2,014 | 2,065 | NM | NM | -- | -- | -- | -- |
| Washington..... | 5,589 | 5,248 | 6.5 | 5,566 | 5,218 | NM | NM | 1 | 8 | NM | NM |
| Pacific Noncontiguous.. | 161 | 153 | 5.4 | 154 | 142 | NM | NM | -- | -- | NM | NM |
| Alaska..... | 153 | 142 | 8.1 | 153 | 142 | -- | -- | -- | -- | -- | -- |
| Hawaii..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| U.S. Total..... | 21,638 | 22,837 | -5.2 | 19,478 | 20,661 | 1,796 | 1,670 | 4 | 9 | 360 | 497 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|---------------|--------------------------------|-----------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 5,111 | 4,319 | 18.3 | 455 | 451 | 3,661 | 3,218 | 3 | 4 | 992 | 646 |
| Connecticut..... | 279 | 323 | -13.4 | NM | NM | 264 | 305 | -- | -- | -- | -- |
| Maine..... | 2,547 | 1,975 | 29.0 | NM | NM | 1,668 | 1,393 | -- | -- | 877 | 579 |
| Massachusetts..... | 569 | 547 | 4.1 | NM | NM | 557 | 534 | 3 | 4 | NM | NM |
| New Hampshire..... | 894 | 723 | 23.6 | 212 | 195 | 588 | 481 | -- | -- | 94 | 47 |
| Rhode Island..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| Vermont..... | 818 | 749 | 9.2 | 224 | 234 | 581 | 502 | -- | -- | NM | NM |
| Middle Atlantic..... | 20,094 | 18,015 | 11.5 | 15,097 | 13,668 | 4,936 | 4,321 | 3 | -- | 58 | 26 |
| New Jersey..... | NM | NM | -- | -- | -- | NM | NM | -- | -- | -- | -- |
| New York..... | 18,215 | 16,149 | 12.8 | 14,105 | 12,679 | 4,049 | 3,444 | 3 | -- | 58 | 26 |
| Pennsylvania..... | 1,861 | 1,849 | .6 | 992 | 989 | 869 | 860 | -- | -- | -- | -- |
| East North Central..... | 3,288 | 3,125 | 5.2 | 2,978 | 2,759 | 138 | 164 | NM | NM | 169 | 196 |
| Illinois..... | 82 | 112 | -26.2 | 32 | 38 | 50 | 71 | * | 3 | -- | -- |
| Indiana..... | 275 | 276 | -6 | 275 | 276 | -- | -- | -- | -- | -- | -- |
| Michigan..... | 1,031 | 979 | 5.3 | 931 | 873 | 76 | 82 | -- | -- | 24 | 25 |
| Ohio..... | 257 | 264 | -2.7 | 257 | 264 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 1,643 | 1,494 | 10.0 | 1,483 | 1,308 | 11 | 12 | NM | NM | 145 | 171 |
| West North Central..... | 7,213 | 6,647 | 8.5 | 6,985 | 6,421 | 52 | 63 | -- | -- | 177 | 163 |
| Iowa..... | 613 | 585 | 4.7 | 599 | 571 | 14 | 14 | -- | -- | -- | -- |
| Kansas..... | 9 | 24 | -62.9 | -- | -- | -- | 24 | -- | -- | 9 | -- |
| Minnesota..... | 710 | 660 | 7.5 | 504 | 473 | 29 | 25 | -- | -- | 177 | 163 |
| Missouri..... | 1,200 | 517 | 131.9 | 1,200 | 517 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | 723 | 675 | 7.2 | 723 | 675 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 1,126 | 1,285 | -12.4 | 1,126 | 1,285 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | 2,833 | 2,900 | -2.3 | 2,833 | 2,900 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 9,423 | 15,711 | -40.0 | 6,098 | 11,597 | 2,015 | 2,069 | 8 | 2 | 1,302 | 2,043 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 127 | 174 | -27.0 | 127 | 174 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 2,129 | 3,627 | -41.3 | 2,097 | 3,597 | NM | NM | -- | -- | NM | NM |
| Maryland..... | 1,668 | 1,683 | -9 | -- | -- | 1,668 | 1,683 | -- | -- | -- | -- |
| North Carolina..... | 2,673 | 5,163 | -48.2 | 1,858 | 3,647 | NM | NM | 8 | 2 | 798 | 1,505 |
| South Carolina..... | 1,083 | 2,859 | -62.1 | 1,047 | 2,825 | NM | NM | NM | NM | -- | -- |
| Virginia..... | 846 | 1,166 | -27.5 | 805 | 1,128 | NM | NM | -- | -- | NM | NM |
| West Virginia..... | 897 | 1,039 | -13.7 | 163 | 226 | 261 | 305 | -- | -- | 474 | 509 |
| East South Central..... | 14,088 | 19,623 | -28.2 | 13,700 | 19,000 | 6 | 8 | -- | -- | 382 | 614 |
| Alabama..... | 5,709 | 8,956 | -36.3 | 5,709 | 8,956 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 2,490 | 2,787 | -10.6 | 2,490 | 2,787 | -- | -- | -- | -- | -- | -- |
| Mississippi..... | 6 | 8 | -24.8 | -- | -- | 6 | 8 | -- | -- | -- | -- |
| Tennessee..... | 5,882 | 7,871 | -25.3 | 5,500 | 7,257 | -- | -- | -- | -- | 382 | 614 |
| West South Central..... | 5,811 | 4,675 | 24.3 | 5,010 | 4,072 | 800 | 603 | -- | -- | -- | -- |
| Arkansas..... | 2,556 | 2,074 | 23.2 | 2,556 | 2,074 | NM | NM | -- | -- | -- | -- |
| Louisiana..... | 777 | 574 | 35.4 | -- | -- | 777 | 574 | -- | -- | -- | -- |
| Oklahoma..... | 1,841 | 1,330 | 38.4 | 1,841 | 1,330 | -- | -- | -- | -- | -- | -- |
| Texas..... | 637 | 697 | -8.6 | 613 | 667 | 23 | 29 | -- | -- | -- | -- |
| Mountain..... | 20,684 | 21,178 | -2.3 | 17,829 | 18,359 | 2,855 | 2,818 | -- | -- | -- | -- |
| Arizona..... | 5,252 | 5,068 | 3.6 | 5,252 | 5,068 | -- | -- | -- | -- | -- | -- |
| Colorado..... | 837 | 812 | 3.0 | 814 | 787 | 22 | 26 | -- | -- | -- | -- |
| Idaho..... | 6,365 | 6,494 | -2.0 | 5,741 | 5,921 | 624 | 573 | -- | -- | -- | -- |
| Montana..... | 6,040 | 6,349 | -4.9 | 3,849 | 4,149 | 2,191 | 2,200 | -- | -- | -- | -- |
| Nevada..... | 1,249 | 1,453 | -14.0 | 1,240 | 1,443 | NM | NM | -- | -- | -- | -- |
| New Mexico..... | 184 | 166 | 10.6 | 184 | 166 | -- | -- | -- | -- | -- | -- |
| Utah..... | 356 | 350 | 1.8 | 348 | 340 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 401 | 486 | -17.4 | 401 | 486 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 95,737 | 100,141 | -4.4 | 94,801 | 98,648 | 886 | 1,425 | 48 | 66 | NM | NM |
| California..... | 25,145 | 26,997 | -6.9 | 24,663 | 26,064 | 483 | 933 | -- | -- | -- | -- |
| Oregon..... | 22,363 | 23,625 | -5.3 | 22,118 | 23,314 | 245 | 311 | -- | -- | -- | -- |
| Washington..... | 48,229 | 49,519 | -2.6 | 48,021 | 49,270 | 158 | 181 | 48 | 66 | NM | NM |
| Pacific Noncontiguous.. | 1,169 | 1,207 | -3.2 | 1,098 | 1,113 | 29 | 38 | -- | -- | 42 | 56 |
| Alaska..... | 1,092 | 1,112 | -1.8 | 1,092 | 1,112 | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 76 | 95 | -19.8 | NM | NM | 29 | 38 | -- | -- | 42 | 56 |
| U.S. Total..... | 182,617 | 194,641 | -6.2 | 164,050 | 176,089 | 15,378 | 14,728 | 66 | 79 | 3,124 | 3,745 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.14.A. Net Generation from Other Renewables by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|--------------|----------------|---------------------------------|------------|-----------------------------|--------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 775 | 835 | -7.1 | 22 | 21 | 554 | 581 | 16 | 17 | 185 | 215 |
| Connecticut..... | 132 | 130 | 1.6 | -- | -- | 132 | 130 | -- | -- | -- | -- |
| Maine..... | 347 | 404 | -14.1 | -- | -- | 156 | 183 | 16 | 16 | 175 | 206 |
| Massachusetts..... | 170 | 168 | 1.0 | -- | -- | 170 | 166 | -- | 2 | -- | -- |
| New Hampshire..... | 81 | 87 | -6.4 | -- | -- | 73 | 78 | -- | -- | 8 | 8 |
| Rhode Island..... | 8 | 9 | -1.1 | -- | -- | 8 | 9 | -- | -- | -- | -- |
| Vermont..... | 38 | 38 | -8 | 22 | 21 | 15 | 15 | -- | -- | NM | NM |
| Middle Atlantic..... | 584 | 539 | 8.4 | -- | -- | 483 | 455 | 37 | 38 | 64 | 46 |
| New Jersey..... | 116 | 112 | 3.6 | -- | -- | 115 | 111 | NM | NM | NM | NM |
| New York..... | 216 | 200 | 8.0 | -- | -- | 178 | 179 | 20 | 21 | 18 | -- |
| Pennsylvania..... | 252 | 227 | 11.2 | -- | -- | 190 | 165 | 17 | 17 | 45 | 45 |
| East North Central..... | 486 | 424 | 14.6 | 30 | 26 | 270 | 237 | 34 | 27 | 152 | 135 |
| Illinois..... | 83 | 71 | 16.7 | 1 | -- | 74 | 63 | NM | NM | 7 | 7 |
| Indiana..... | 11 | 11 | 6.3 | -- | -- | 8 | 8 | NM | NM | NM | NM |
| Michigan..... | 257 | 234 | 9.8 | 2 | 3 | 158 | 139 | 28 | 21 | 69 | 71 |
| Ohio..... | 31 | 12 | 150.0 | -- | * | NM | NM | * | * | 25 | 6 |
| Wisconsin..... | 104 | 96 | 8.2 | 27 | 23 | 25 | 22 | NM | NM | 51 | 50 |
| West North Central..... | 291 | 236 | 23.3 | 51 | 59 | 193 | 137 | 5 | 3 | 42 | 37 |
| Iowa..... | 62 | 44 | 42.3 | 4 | 5 | 56 | 37 | NM | NM | -- | * |
| Kansas..... | 22 | 30 | -25.1 | * | -- | 22 | 30 | -- | -- | -- | -- |
| Minnesota..... | 168 | 143 | 17.6 | 35 | 36 | 89 | 69 | NM | NM | 41 | 36 |
| Missouri..... | 12 | 16 | -20.3 | 11 | 15 | -- | -- | 1 | * | NM | NM |
| Nebraska..... | NM | NM | -- | * | 2 | NM | NM | NM | NM | -- | -- |
| North Dakota..... | 14 | 1 | NM | * | 1 | 14 | -- | -- | -- | NM | NM |
| South Dakota..... | 11 | * | NM | * | * | 11 | -- | -- | -- | -- | -- |
| South Atlantic..... | 1,352 | 1,110 | 21.8 | 11 | 10 | 547 | 494 | 39 | 36 | 755 | 571 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 490 | 409 | 19.6 | 9 | 8 | 323 | 306 | NM | NM | 154 | 92 |
| Georgia..... | 253 | 172 | 46.7 | -- | -- | NM | NM | -- | -- | 251 | 171 |
| Maryland..... | 76 | 72 | 6.2 | -- | -- | 58 | 58 | NM | NM | 15 | 12 |
| North Carolina..... | 137 | 152 | -9.7 | -- | -- | 42 | 40 | -- | -- | 95 | 112 |
| South Carolina..... | 132 | 84 | 58.4 | NM | NM | -- | -- | NM | NM | 127 | 77 |
| Virginia..... | 259 | 216 | 19.7 | -- | -- | 118 | 84 | 28 | 26 | 112 | 107 |
| West Virginia..... | 5 | 5 | 4.4 | * | * | 4 | 4 | -- | -- | -- | -- |
| East South Central..... | 565 | 552 | 2.4 | 1 | 2 | 20 | 19 | NM | NM | 543 | 530 |
| Alabama..... | 353 | 344 | 2.3 | -- | -- | 17 | 16 | -- | -- | 336 | 328 |
| Kentucky..... | 30 | 33 | -8.3 | 1 | 2 | -- | -- | -- | -- | 29 | 30 |
| Mississippi..... | 133 | 104 | 27.5 | -- | -- | -- | -- | -- | -- | 133 | 104 |
| Tennessee..... | 50 | 71 | -29.4 | * | * | NM | NM | NM | NM | 46 | 67 |
| West South Central..... | 701 | 747 | -6.2 | * | * | 219 | 249 | NM | NM | 480 | 494 |
| Arkansas..... | 151 | 147 | 2.8 | -- | -- | -- | -- | NM | NM | 151 | 147 |
| Louisiana..... | 227 | 244 | -6.7 | -- | -- | 5 | 5 | -- | -- | 222 | 238 |
| Oklahoma..... | 61 | 24 | 158.7 | -- | -- | 38 | -- | -- | -- | 23 | 24 |
| Texas..... | 261 | 333 | -21.5 | * | * | 176 | 243 | NM | NM | 84 | 86 |
| Mountain..... | 260 | 186 | 39.8 | 25 | 24 | 186 | 113 | NM | NM | 49 | 46 |
| Arizona..... | 4 | 4 | 2.6 | 4 | 4 | -- | -- | NM | NM | -- | -- |
| Colorado..... | 12 | 12 | -2 | 3 | 3 | 9 | 6 | -- | 3 | -- | -- |
| Idaho..... | 51 | 43 | 18.6 | -- | -- | 7 | 3 | -- | -- | 44 | 40 |
| Montana..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Nevada..... | 100 | 86 | 16.8 | -- | -- | 100 | 86 | -- | -- | -- | -- |
| New Mexico..... | 32 | 2 | NM | -- | -- | 32 | 2 | -- | -- | -- | -- |
| Utah..... | 18 | 17 | 6.1 | 17 | 16 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 37 | 16 | 128.2 | 1 | 1 | 37 | 16 | -- | -- | -- | -- |
| Pacific Contiguous..... | 2,423 | 2,211 | 9.6 | 152 | 64 | 2,053 | 1,937 | 25 | 34 | 192 | 176 |
| California..... | 2,162 | 1,963 | 10.1 | 106 | 23 | 1,929 | 1,809 | 25 | 34 | 102 | 98 |
| Oregon..... | 117 | 78 | 49.6 | -- | -- | 85 | 60 | -- | -- | 32 | 18 |
| Washington..... | 144 | 169 | -15.0 | 46 | 41 | 39 | 68 | -- | -- | 59 | 60 |
| Pacific Noncontiguous.. | 69 | 71 | -2.7 | * | * | 64 | 51 | -- | -- | 5 | 20 |
| Alaska..... | NM | NM | -- | NM | NM | * | -- | -- | -- | -- | -- |
| Hawaii..... | 69 | 71 | -2.7 | * | * | 64 | 51 | -- | -- | 5 | 20 |
| U.S. Total..... | 7,507 | 6,910 | 8.6 | 292 | 206 | 4,589 | 4,272 | 158 | 162 | 2,468 | 2,270 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Other renewables include wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, tires, 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."

Table 1.14.B. Net Generation from Other Renewables by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|--------------|-----------------------------|---------------|--------------------------------|--------------|--------------------------------|---------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 5,803 | 6,082 | -4.6 | 149 | 171 | 4,188 | 4,321 | 132 | 135 | 1,334 | 1,455 |
| Connecticut..... | 1,019 | 1,032 | -1.2 | -- | -- | 1,019 | 1,032 | -- | -- | -- | -- |
| Maine..... | 2,571 | 2,783 | -7.6 | -- | -- | 1,173 | 1,253 | 118 | 118 | 1,279 | 1,413 |
| Massachusetts..... | 1,309 | 1,324 | -1.1 | -- | -- | 1,295 | 1,306 | 13 | 17 | -- | -- |
| New Hampshire..... | 569 | 581 | -2.1 | -- | -- | 523 | 548 | -- | -- | 45 | 32 |
| Rhode Island..... | 64 | 67 | -4.6 | -- | -- | 64 | 67 | -- | -- | -- | -- |
| Vermont..... | 271 | 295 | -8.1 | 149 | 171 | 112 | 115 | -- | -- | 10 | 10 |
| Middle Atlantic..... | 4,385 | 4,282 | 2.4 | -- | -- | 3,642 | 3,569 | 283 | 289 | 459 | 424 |
| New Jersey..... | 883 | 882 | .1 | -- | -- | 872 | 871 | NM | NM | 8 | 8 |
| New York..... | 1,644 | 1,628 | 1.0 | -- | -- | 1,369 | 1,391 | 152 | 151 | 122 | 85 |
| Pennsylvania..... | 1,858 | 1,773 | 4.8 | -- | -- | 1,401 | 1,307 | 129 | 136 | 328 | 330 |
| East North Central..... | 3,534 | 3,318 | 6.5 | 238 | 239 | 2,001 | 1,891 | 223 | 214 | 1,073 | 975 |
| Illinois..... | 582 | 493 | 17.8 | 5 | -- | 520 | 437 | 5 | 5 | 52 | 52 |
| Indiana..... | 86 | 86 | .2 | -- | -- | 59 | 57 | 24 | 21 | NM | NM |
| Michigan..... | 1,842 | 1,822 | 1.1 | 24 | 14 | 1,159 | 1,163 | 179 | 173 | 479 | 472 |
| Ohio..... | 227 | 90 | 153.2 | * | * | 41 | 41 | * | * | 186 | 48 |
| Wisconsin..... | 798 | 827 | -3.5 | 208 | 225 | 222 | 193 | 14 | 14 | 354 | 395 |
| West North Central..... | 2,581 | 2,280 | 13.2 | 373 | 417 | 1,883 | 1,559 | 33 | 25 | 292 | 279 |
| Iowa..... | 698 | 596 | 17.1 | 30 | 46 | 654 | 543 | 14 | 7 | -- | * |
| Kansas..... | 269 | 274 | -1.9 | 1 | -- | 268 | 274 | -- | -- | -- | -- |
| Minnesota..... | 1,346 | 1,290 | 4.4 | 259 | 267 | 790 | 738 | 12 | 12 | 286 | 273 |
| Missouri..... | 83 | 84 | -1.3 | 75 | 77 | -- | -- | 3 | 2 | 6 | 6 |
| Nebraska..... | 10 | 28 | -64.0 | 2 | 20 | 4 | 4 | 4 | 4 | -- | -- |
| North Dakota..... | 100 | 4 | NM | 3 | 3 | 96 | -- | -- | -- | NM | NM |
| South Dakota..... | 75 | 4 | NM | 3 | 4 | 71 | -- | -- | -- | -- | -- |
| South Atlantic..... | 10,743 | 9,755 | 10.1 | 104 | 114 | 4,236 | 4,037 | 309 | 292 | 6,095 | 5,312 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 3,905 | 3,408 | 14.6 | 84 | 84 | 2,505 | 2,497 | 28 | 26 | 1,288 | 802 |
| Georgia..... | 2,154 | 1,887 | 14.2 | -- | -- | 14 | 13 | -- | -- | 2,140 | 1,874 |
| Maryland..... | 585 | 554 | 5.6 | -- | -- | 460 | 426 | 17 | 17 | 109 | 111 |
| North Carolina..... | 1,237 | 1,304 | -5.2 | -- | -- | 317 | 305 | -- | -- | 920 | 999 |
| South Carolina..... | 1,079 | 814 | 32.6 | 9 | 14 | -- | -- | 36 | 29 | 1,034 | 770 |
| Virginia..... | 1,666 | 1,711 | -2.6 | -- | -- | 832 | 735 | 229 | 219 | 604 | 756 |
| West Virginia..... | 118 | 76 | 54.6 | 10 | 15 | 108 | 61 | -- | -- | -- | -- |
| East South Central..... | 4,331 | 4,267 | 1.5 | 14 | 16 | 150 | 139 | 6 | 5 | 4,162 | 4,107 |
| Alabama..... | 2,737 | 2,715 | .8 | -- | -- | 128 | 117 | -- | -- | 2,610 | 2,597 |
| Kentucky..... | 240 | 222 | 7.9 | 12 | 15 | -- | -- | -- | -- | 228 | 207 |
| Mississippi..... | 971 | 784 | 23.9 | -- | -- | -- | -- | -- | -- | 971 | 784 |
| Tennessee..... | 383 | 546 | -29.9 | 2 | * | 22 | 22 | 6 | 5 | 352 | 518 |
| West South Central..... | 6,339 | 5,870 | 8.0 | 2 | 1 | 2,486 | 1,939 | 9 | 25 | 3,842 | 3,905 |
| Arkansas..... | 1,209 | 1,188 | 1.8 | -- | -- | -- | -- | NM | NM | 1,205 | 1,184 |
| Louisiana..... | 1,841 | 1,910 | -3.6 | -- | -- | 40 | 38 | -- | -- | 1,801 | 1,872 |
| Oklahoma..... | 444 | 178 | 148.9 | -- | -- | 256 | -- | -- | -- | 188 | 178 |
| Texas..... | 2,845 | 2,593 | 9.7 | 2 | 1 | 2,189 | 1,901 | 5 | 21 | 648 | 670 |
| Mountain..... | 2,355 | 1,686 | 39.7 | 207 | 210 | 1,783 | 1,099 | NM | NM | 363 | 352 |
| Arizona..... | 32 | 30 | 7.3 | 29 | 27 | -- | -- | NM | NM | -- | -- |
| Colorado..... | 122 | 124 | -1.9 | 35 | 39 | 86 | 63 | -- | 22 | -- | -- |
| Idaho..... | 385 | 326 | 18.0 | -- | -- | 56 | 23 | -- | -- | 329 | 304 |
| Montana..... | 34 | 48 | -30.0 | -- | -- | -- | -- | -- | -- | 34 | 48 |
| Nevada..... | 798 | 732 | 8.9 | -- | -- | 798 | 732 | -- | -- | -- | -- |
| New Mexico..... | 365 | 12 | NM | -- | -- | 365 | 12 | -- | -- | -- | -- |
| Utah..... | 140 | 141 | -.7 | 133 | 134 | 8 | 7 | -- | -- | -- | -- |
| Wyoming..... | 479 | 272 | 76.2 | 9 | 10 | 470 | 261 | -- | -- | -- | -- |
| Pacific Contiguous..... | 18,794 | 16,667 | 12.8 | 1,184 | 471 | 15,928 | 14,487 | 199 | 249 | 1,483 | 1,460 |
| California..... | 16,739 | 14,734 | 13.6 | 852 | 158 | 14,902 | 13,576 | 199 | 249 | 787 | 750 |
| Oregon..... | 922 | 671 | 37.3 | -- | -- | 666 | 434 | -- | -- | 256 | 237 |
| Washington..... | 1,133 | 1,262 | -10.2 | 333 | 313 | 360 | 476 | -- | -- | 441 | 473 |
| Pacific Noncontiguous.. | 499 | 456 | 9.6 | 2 | 2 | 457 | 347 | -- | -- | 41 | 106 |
| Alaska..... | 1 | 1 | -7.8 | 1 | 1 | * | -- | -- | -- | -- | -- |
| Hawaii..... | 499 | 455 | 9.6 | 1 | 1 | 457 | 347 | -- | -- | 41 | 106 |
| U.S. Total..... | 59,365 | 54,662 | 8.6 | 2,272 | 1,642 | 36,753 | 33,390 | 1,197 | 1,257 | 19,143 | 18,374 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Other renewables include wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, tires, 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."

Table 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|--------------------------------|----------|--------------------------------|----------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | -47 | -56 | 16.0 | | | -47 | -56 | | | | |
| Connecticut..... | * | -- | -- | -- | -- | * | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -47 | -56 | 15.9 | -- | -- | -47 | -56 | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | -152 | -152 | .2 | -113 | -106 | -39 | -47 | | | | |
| New Jersey..... | -13 | -13 | -1.5 | -13 | -13 | -- | -- | -- | -- | -- | -- |
| New York..... | -74 | -72 | -2.1 | -74 | -72 | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | -65 | -67 | 3.1 | -26 | -20 | -39 | -47 | -- | -- | -- | -- |
| East North Central..... | -106 | -117 | 9.6 | -106 | -117 | | | | | | |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | -106 | -117 | 9.6 | -106 | -117 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central..... | -23 | -28 | 19.1 | -23 | -28 | | | | | | |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | -23 | -28 | 19.1 | -23 | -28 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | -319 | -323 | 1.1 | -319 | -323 | | | | | | |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Georgia..... | -94 | -21 | -344.1 | -94 | -21 | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 6 | 10 | -36.0 | 6 | 10 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -129 | -141 | 8.4 | -129 | -141 | -- | -- | -- | -- | -- | -- |
| Virginia..... | -103 | -171 | 39.6 | -103 | -171 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | -81 | -90 | 10.4 | -81 | -90 | | | | | | |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -81 | -90 | 10.4 | -81 | -90 | -- | -- | -- | -- | -- | -- |
| West South Central..... | -20 | -20 | .9 | -20 | -20 | | | | | | |
| Arkansas..... | 3 | 1 | 95.0 | 3 | 1 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | -23 | -22 | -5.6 | -23 | -22 | -- | -- | -- | -- | -- | -- |
| Texas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mountain..... | -20 | 10 | -299.6 | -20 | 10 | | | | | | |
| Arizona..... | -3 | 33 | -108.9 | -3 | 33 | -- | -- | -- | -- | -- | -- |
| Colorado..... | -17 | -23 | 23.3 | -17 | -23 | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | -37 | -42 | 12.4 | -37 | -42 | | | | | | |
| California..... | -37 | -41 | 11.5 | -37 | -41 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | * | -- | -- | * | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | | | | | | |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | -805 | -818 | 1.6 | -719 | -716 | -86 | -102 | | | | |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

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(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|-------------|--------------------------------|-----------|--------------------------------|-----------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | -343 | -458 | 25.2 | -- | -- | -343 | -458 | -- | -- | -- | -- |
| Connecticut..... | * | * | 198.3 | -- | -- | * | * | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -343 | -458 | 25.1 | -- | -- | -343 | -458 | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | -1,082 | -1,163 | 7.0 | -777 | -835 | -305 | -328 | -- | -- | -- | -- |
| New Jersey..... | -97 | -73 | -33.8 | -97 | -73 | -- | -- | -- | -- | -- | -- |
| New York..... | -547 | -600 | 8.8 | -547 | -600 | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | -437 | -490 | 10.8 | -132 | -162 | -305 | -328 | -- | -- | -- | -- |
| East North Central..... | -749 | -690 | -8.5 | -749 | -690 | -- | -- | -- | -- | -- | -- |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | -749 | -690 | -8.5 | -749 | -690 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central..... | -178 | -186 | 4.4 | -178 | -186 | -- | -- | -- | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | -178 | -186 | 4.4 | -178 | -186 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | -2,040 | -2,156 | 5.4 | -2,040 | -2,156 | -- | -- | -- | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Georgia..... | -543 | -409 | -32.9 | -543 | -409 | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -1 | 84 | -101.2 | -1 | 84 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -844 | -851 | .8 | -844 | -851 | -- | -- | -- | -- | -- | -- |
| Virginia..... | -652 | -980 | 33.5 | -652 | -980 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | -563 | -534 | -5.4 | -563 | -534 | -- | -- | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -563 | -534 | -5.4 | -563 | -534 | -- | -- | -- | -- | -- | -- |
| West South Central..... | -140 | -130 | -7.6 | -140 | -130 | -- | -- | -- | -- | -- | -- |
| Arkansas..... | 15 | 8 | 92.9 | 15 | 8 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | -155 | -138 | -12.3 | -155 | -138 | -- | -- | -- | -- | -- | -- |
| Texas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mountain..... | -12 | 61 | -120.2 | -12 | 61 | -- | -- | -- | -- | -- | -- |
| Arizona..... | 136 | 200 | -31.9 | 136 | 200 | -- | -- | -- | -- | -- | -- |
| Colorado..... | -148 | -139 | -7.0 | -148 | -139 | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | -449 | -601 | 25.3 | -449 | -601 | -- | -- | -- | -- | -- | -- |
| California..... | -439 | -600 | 26.9 | -439 | -600 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -10 | -1 | NM | -10 | -1 | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | -5,556 | -5,858 | 5.2 | -4,908 | -5,071 | -648 | -787 | -- | -- | -- | -- |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ The electric utility sector includes electricity-only plants whose primary business is to sell electricity.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 1.16.A. Net Generation from Other Energy Sources by State by Sector, August 2004 and 2003
(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------|----------------|---------------------------------|-----------|-----------------------------|------------|--------------------------------|-----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 7 | * | NM | -- | -- | -- | -- | -- | -- | 7 | * |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | 6 | -- | -- | -- | -- | -- | -- | -- | -- | 6 | -- |
| Massachusetts..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 4 | 3 | 34.9 | -- | -- | 2 | -- | -- | -- | NM | NM |
| New Jersey..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| New York..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | 4 | 3 | 35.0 | -- | -- | 2 | -- | -- | -- | NM | NM |
| East North Central..... | 54 | 123 | -56.1 | -- | -- | -- | 64 | NM | NM | 54 | 59 |
| Illinois..... | -- | * | -- | -- | -- | -- | * | -- | -- | -- | -- |
| Indiana..... | 54 | 56 | -2.9 | -- | -- | -- | -- | -- | -- | 54 | 56 |
| Michigan..... | NM | NM | -- | -- | -- | -- | -- | NM | NM | -- | -- |
| Ohio..... | -- | 64 | -- | -- | -- | -- | 64 | -- | -- | -- | -- |
| Wisconsin..... | -- | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 3 |
| West North Central..... | 3 | 3 | 2.5 | -- | -- | -- | -- | -- | -- | 3 | 3 |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 3 | 3 | 2.5 | -- | -- | -- | -- | -- | -- | 3 | 3 |
| Missouri..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 152 | 203 | -25.5 | -- | -- | NM | NM | -- | -- | 151 | 203 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 137 | 185 | -26.1 | -- | -- | NM | NM | -- | -- | 136 | 185 |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 15 | 18 | -18.5 | -- | -- | -- | -- | -- | -- | 15 | 18 |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | NM | NM | -- | -- | -- | -- | 16 | -- | -- | NM | NM |
| Alabama..... | NM | NM | -- | -- | -- | -- | 16 | -- | -- | NM | NM |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| West South Central..... | 78 | 178 | -55.9 | -- | -- | 23 | 44 | -- | -- | 55 | 134 |
| Arkansas..... | -- | 8 | -- | -- | -- | -- | -- | -- | -- | -- | 8 |
| Louisiana..... | 41 | 59 | -29.7 | -- | -- | -- | -- | -- | -- | 41 | 59 |
| Oklahoma..... | -- | 2 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| Texas..... | 37 | 109 | -66.0 | -- | -- | 23 | 44 | -- | -- | 14 | 65 |
| Mountain..... | 11 | 15 | -23.8 | -- | -- | -- | 1 | -- | -- | 11 | 14 |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | 6 | 8 | -17.9 | -- | -- | -- | -- | -- | -- | 6 | 8 |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | 1 | -- | -- | -- | -- | 1 | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | 5 | 6 | -17.9 | -- | -- | -- | -- | -- | -- | 5 | 6 |
| Pacific Contiguous..... | NM | NM | -- | -- | -- | -- | 5 | -- | * | NM | NM |
| California..... | NM | NM | -- | -- | -- | -- | 5 | -- | * | NM | NM |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 311 | 552 | -43.7 | -- | -- | 25 | 131 | * | * | 285 | 421 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • 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. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Other energy sources include batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, 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."

Table 1.16.B. Net Generation from Other Energy Sources by State by Sector, Year-to-Date through August 2004 and 2003

(Thousand Megawatthours)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|--------------|----------------|---------------------------------|-----------|-----------------------------|------------|--------------------------------|-----------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 37 | 2 | NM | -- | -- | -- | -- | -- | -- | 37 | 2 |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | 35 | -- | -- | -- | -- | -- | -- | -- | -- | 35 | -- |
| Massachusetts..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 30 | 26 | 13.8 | -- | -- | 11 | 2 | -- | -- | NM | NM |
| New Jersey..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| New York..... | -- | 2 | -- | -- | -- | -- | 2 | -- | -- | -- | -- |
| Pennsylvania..... | 30 | 24 | 24.2 | -- | -- | 11 | -- | -- | -- | NM | NM |
| East North Central..... | 325 | 492 | -34.1 | -- | -- | * | 163 | NM | NM | 324 | 330 |
| Illinois..... | * | 1 | -62.3 | -- | -- | * | 1 | -- | -- | -- | -- |
| Indiana..... | 324 | 311 | 4.4 | -- | -- | -- | -- | -- | -- | 324 | 311 |
| Michigan..... | NM | NM | -- | -- | -- | -- | -- | NM | NM | -- | -- |
| Ohio..... | -- | 162 | -- | -- | -- | -- | 162 | -- | -- | -- | -- |
| Wisconsin..... | -- | 19 | -- | -- | -- | -- | -- | -- | -- | -- | 19 |
| West North Central..... | 30 | 24 | 26.6 | -- | -- | -- | -- | -- | -- | 30 | 24 |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 30 | 24 | 26.6 | -- | -- | -- | -- | -- | -- | 30 | 24 |
| Missouri..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 1,155 | 1,451 | -20.4 | -- | -- | NM | NM | -- | -- | 1,151 | 1,451 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1,045 | 1,313 | -20.4 | -- | -- | NM | NM | -- | -- | 1,041 | 1,313 |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 110 | 138 | -20.3 | -- | -- | -- | -- | -- | -- | 110 | 138 |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | NM | NM | -- | -- | -- | -- | 30 | -- | -- | NM | NM |
| Alabama..... | NM | NM | -- | -- | -- | -- | 30 | -- | -- | NM | NM |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | 4 | -- | -- | -- | -- | -- | -- | -- | -- | 4 |
| West South Central..... | 491 | 1,278 | -61.6 | -- | -- | 188 | 263 | -- | -- | 303 | 1,016 |
| Arkansas..... | 10 | 34 | -71.3 | -- | -- | -- | -- | -- | -- | 10 | 34 |
| Louisiana..... | 219 | 555 | -60.5 | -- | -- | -- | -- | -- | -- | 219 | 555 |
| Oklahoma..... | 5 | 5 | 17.0 | -- | -- | -- | -- | -- | -- | 5 | 5 |
| Texas..... | 256 | 685 | -62.6 | -- | -- | 188 | 263 | -- | -- | 68 | 422 |
| Mountain..... | 83 | 114 | -27.6 | -- | -- | -- | 7 | -- | -- | 83 | 107 |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | 45 | 58 | -22.8 | -- | -- | -- | -- | -- | -- | 45 | 58 |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | 7 | -- | -- | -- | -- | 7 | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | 38 | 49 | -22.8 | -- | -- | -- | -- | -- | -- | 38 | 49 |
| Pacific Contiguous..... | NM | NM | -- | -- | -- | -- | 10 | -- | 7 | NM | NM |
| California..... | NM | NM | -- | -- | -- | -- | 10 | -- | 7 | NM | NM |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 2,156 | 3,460 | -37.7 | -- | -- | 204 | 474 | * | 7 | 1,953 | 2,979 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

Chapter 2. Consumption of Fossil Fuels

Table 2.1.A. Coal: Consumption for Electricity Generation by Sector, 1990 through August 2004
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 792,457 | 773,549 | 7,752 | 417 | 10,740 |
| 1991..... | 793,666 | 772,268 | 10,385 | 403 | 10,610 |
| 1992..... | 805,140 | 779,860 | 13,530 | 371 | 11,379 |
| 1993..... | 842,153 | 813,508 | 16,343 | 404 | 11,898 |
| 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 | | | | | |
| January..... | 83,186 | 65,580 | 16,616 | 46 | 943 |
| February..... | 72,845 | 56,877 | 15,095 | 30 | 843 |
| March..... | 76,541 | 59,499 | 16,114 | 42 | 887 |
| April..... | 72,379 | 55,926 | 15,451 | 36 | 966 |
| May..... | 77,322 | 60,775 | 15,592 | 36 | 919 |
| June..... | 84,412 | 66,216 | 17,177 | 39 | 980 |
| July..... | 93,763 | 73,074 | 19,500 | 41 | 1,147 |
| August..... | 92,604 | 72,262 | 19,281 | 46 | 1,015 |
| September..... | 84,932 | 65,930 | 18,028 | 44 | 930 |
| October..... | 81,613 | 62,803 | 17,731 | 39 | 1,041 |
| November..... | 80,234 | 61,493 | 17,639 | 37 | 1,064 |
| December..... | 87,752 | 67,367 | 19,224 | 41 | 1,120 |
| Total..... | 987,583 | 767,803 | 207,448 | 477 | 11,855 |
| 2003 | | | | | |
| January..... | 92,030 | 70,475 | 20,425 | 48 | 1,082 |
| February..... | 79,659 | 61,252 | 17,414 | 41 | 952 |
| March..... | 79,600 | 61,138 | 17,444 | 40 | 978 |
| April..... | 72,784 | 56,547 | 15,266 | 36 | 934 |
| May..... | 77,505 | 61,206 | 15,329 | 33 | 937 |
| June..... | 83,468 | 65,572 | 16,925 | 43 | 929 |
| July..... | 94,233 | 73,453 | 19,712 | 50 | 1,018 |
| August..... | 95,573 | 73,880 | 20,606 | 51 | 1,036 |
| September..... | 84,466 | 65,886 | 17,665 | 44 | 871 |
| October..... | 81,518 | 63,207 | 17,350 | 36 | 925 |
| November..... | 82,392 | 63,665 | 17,781 | 35 | 910 |
| December..... | 91,078 | 70,137 | 19,872 | 44 | 1,025 |
| Total..... | 1,014,307 | 786,418 | 215,791 | 501 | 11,596 |
| 2004 | | | | | |
| January..... | 93,288 | 71,797 | 20,384 | 48 | 1,059 |
| February..... | 84,006 | 63,597 | 19,396 | 48 | 966 |
| March..... | 78,874 | 59,973 | 17,848 | 49 | 1,005 |
| April..... | 73,166 | 56,001 | 16,204 | 36 | 925 |
| May..... | 81,436 | 63,986 | 16,552 | 44 | 853 |
| June..... | 86,662 | 67,809 | 17,512 | 52 | 1,290 |
| July..... | 94,000 | 73,022 | 19,559 | 53 | 1,366 |
| August..... | 93,432 | 69,808 | 22,221 | 56 | 1,347 |
| Total..... | 684,864 | 525,992 | 149,676 | 385 | 8,811 |
| Year-to-Date | | | | | |
| 2002..... | 653,052 | 510,210 | 134,826 | 317 | 7,700 |
| 2003..... | 674,853 | 523,522 | 143,122 | 342 | 7,866 |
| 2004..... | 684,864 | 525,992 | 149,676 | 385 | 8,811 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 1,009,383 | 781,116 | 215,744 | 502 | 12,021 |
| 2004..... | 1,024,319 | 788,888 | 222,346 | 544 | 12,541 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Rep

Table 2.1.B. Coal: Consumption for Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 19,081 | -- | 1,266 | 773 | 17,041 |
| 1991..... | 18,458 | -- | 1,221 | 826 | 16,412 |
| 1992..... | 19,372 | -- | 1,704 | 804 | 16,864 |
| 1993..... | 19,750 | -- | 1,794 | 968 | 16,988 |
| 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..... | 18,951 | -- | 2,910 | 919 | 15,122 |
| 2002 | | | | | |
| January..... | 1,644 | -- | 227 | 81 | 1,336 |
| February..... | 1,391 | -- | 173 | 71 | 1,147 |
| March..... | 1,555 | -- | 210 | 82 | 1,263 |
| April..... | 1,396 | -- | 183 | 64 | 1,149 |
| May..... | 1,421 | -- | 161 | 69 | 1,191 |
| June..... | 1,366 | -- | 172 | 73 | 1,121 |
| July..... | 1,568 | -- | 192 | 85 | 1,292 |
| August..... | 1,430 | -- | 209 | 82 | 1,138 |
| September..... | 1,478 | -- | 186 | 73 | 1,219 |
| October..... | 1,446 | -- | 181 | 76 | 1,190 |
| November..... | 1,421 | -- | 169 | 80 | 1,172 |
| December..... | 1,446 | -- | 192 | 94 | 1,160 |
| Total..... | 17,561 | -- | 2,255 | 929 | 14,377 |
| 2003 | | | | | |
| January..... | 1,709 | -- | 209 | 98 | 1,402 |
| February..... | 1,475 | -- | 172 | 86 | 1,217 |
| March..... | 1,549 | -- | 189 | 85 | 1,275 |
| April..... | 1,408 | -- | 179 | 74 | 1,154 |
| May..... | 1,255 | -- | 178 | 62 | 1,015 |
| June..... | 1,448 | -- | 163 | 75 | 1,210 |
| July..... | 1,621 | -- | 161 | 87 | 1,373 |
| August..... | 1,617 | -- | 163 | 93 | 1,361 |
| September..... | 1,345 | -- | 143 | 77 | 1,124 |
| October..... | 1,555 | -- | 153 | 78 | 1,323 |
| November..... | 1,526 | -- | 172 | 83 | 1,270 |
| December..... | 1,692 | -- | 191 | 93 | 1,407 |
| Total..... | 18,198 | -- | 2,073 | 991 | 15,131 |
| 2004 | | | | | |
| January..... | 2,015 | -- | 205 | 109 | 1,700 |
| February..... | 1,630 | -- | 191 | 100 | 1,339 |
| March..... | 1,551 | -- | 184 | 94 | 1,273 |
| April..... | 1,424 | -- | 144 | 77 | 1,203 |
| May..... | 1,315 | -- | 172 | 83 | 1,060 |
| June..... | 1,165 | -- | 154 | 75 | 936 |
| July..... | 1,263 | -- | 150 | 76 | 1,038 |
| August..... | 1,260 | -- | 145 | 72 | 1,043 |
| Total..... | 11,624 | -- | 1,345 | 686 | 9,593 |
| Year-to-Date | | | | | |
| 2002..... | 11,770 | -- | 1,527 | 607 | 9,636 |
| 2003..... | 12,080 | -- | 1,413 | 660 | 10,008 |
| 2004..... | 11,624 | -- | 1,345 | 686 | 9,593 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 17,871 | -- | 2,141 | 981 | 14,749 |
| 2004..... | 17,741 | -- | 2,005 | 1,017 | 14,716 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report," Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Rep

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 811,538 | 773,549 | 9,018 | 1,191 | 27,781 |
| 1991..... | 812,124 | 772,268 | 11,606 | 1,228 | 27,021 |
| 1992..... | 824,512 | 779,860 | 15,234 | 1,175 | 28,244 |
| 1993..... | 861,904 | 813,508 | 18,137 | 1,373 | 28,886 |
| 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 | | | | | |
| January..... | 84,830 | 65,580 | 16,844 | 127 | 2,278 |
| February..... | 74,236 | 56,877 | 15,268 | 102 | 1,990 |
| March..... | 78,096 | 59,499 | 16,324 | 124 | 2,150 |
| April..... | 73,775 | 55,926 | 15,634 | 100 | 2,115 |
| May..... | 78,744 | 60,775 | 15,753 | 105 | 2,110 |
| June..... | 85,778 | 66,216 | 17,349 | 112 | 2,101 |
| July..... | 95,331 | 73,074 | 19,692 | 126 | 2,439 |
| August..... | 94,033 | 72,262 | 19,491 | 127 | 2,153 |
| September..... | 86,410 | 65,930 | 18,214 | 116 | 2,150 |
| October..... | 83,060 | 62,803 | 17,912 | 114 | 2,231 |
| November..... | 81,654 | 61,493 | 17,808 | 116 | 2,237 |
| December..... | 89,198 | 67,367 | 19,416 | 134 | 2,279 |
| Total..... | 1,005,144 | 767,803 | 209,703 | 1,405 | 26,232 |
| 2003 | | | | | |
| January..... | 93,739 | 70,475 | 20,634 | 146 | 2,484 |
| February..... | 81,134 | 61,252 | 17,586 | 127 | 2,169 |
| March..... | 81,148 | 61,138 | 17,632 | 125 | 2,254 |
| April..... | 74,192 | 56,547 | 15,446 | 110 | 2,089 |
| May..... | 78,760 | 61,206 | 15,508 | 94 | 1,952 |
| June..... | 84,916 | 65,572 | 17,088 | 118 | 2,139 |
| July..... | 95,854 | 73,453 | 19,872 | 137 | 2,391 |
| August..... | 97,190 | 73,880 | 20,769 | 144 | 2,397 |
| September..... | 85,811 | 65,886 | 17,808 | 121 | 1,995 |
| October..... | 83,072 | 63,207 | 17,503 | 114 | 2,247 |
| November..... | 83,918 | 63,666 | 17,954 | 118 | 2,180 |
| December..... | 92,769 | 70,138 | 20,063 | 137 | 2,431 |
| Total..... | 1,032,503 | 786,419 | 217,863 | 1,492 | 26,728 |
| 2004 | | | | | |
| January..... | 95,303 | 71,797 | 20,589 | 157 | 2,760 |
| February..... | 85,636 | 63,597 | 19,586 | 148 | 2,305 |
| March..... | 80,425 | 59,973 | 18,032 | 143 | 2,278 |
| April..... | 74,590 | 56,001 | 16,348 | 113 | 2,128 |
| May..... | 82,751 | 63,986 | 16,724 | 127 | 1,914 |
| June..... | 87,827 | 67,809 | 17,666 | 126 | 2,226 |
| July..... | 95,263 | 73,022 | 19,709 | 128 | 2,404 |
| August..... | 94,692 | 69,808 | 22,366 | 128 | 2,390 |
| Total..... | 696,488 | 525,992 | 151,021 | 1,071 | 18,404 |
| Year-to-Date | | | | | |
| 2002..... | 664,823 | 510,210 | 136,353 | 924 | 17,336 |
| 2003..... | 686,933 | 523,522 | 144,535 | 1,002 | 17,874 |
| 2004..... | 696,488 | 525,992 | 151,021 | 1,071 | 18,404 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 1,027,254 | 781,116 | 217,885 | 1,483 | 26,770 |
| 2004..... | 1,042,057 | 788,888 | 224,349 | 1,562 | 27,257 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation by Sector, 1990 through August 2004
(Thousand Barrels)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 209,429 | 196,054 | 3,650 | 953 | 8,773 |
| 1991..... | 194,723 | 184,886 | 1,056 | 576 | 8,206 |
| 1992..... | 159,720 | 147,335 | 2,933 | 426 | 9,026 |
| 1993..... | 176,619 | 162,454 | 3,724 | 668 | 9,772 |
| 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 | | | | | |
| January..... | 9,383 | 6,265 | 2,509 | 66 | 543 |
| February..... | 7,435 | 4,686 | 2,263 | 63 | 423 |
| March..... | 11,751 | 7,660 | 3,478 | 55 | 558 |
| April..... | 11,006 | 8,049 | 2,473 | 48 | 436 |
| May..... | 11,307 | 8,430 | 2,375 | 50 | 452 |
| June..... | 10,983 | 7,524 | 2,987 | 56 | 417 |
| July..... | 14,730 | 8,920 | 5,281 | 70 | 459 |
| August..... | 14,386 | 8,930 | 4,950 | 72 | 434 |
| September..... | 11,252 | 7,895 | 2,859 | 62 | 436 |
| October..... | 11,685 | 7,845 | 3,233 | 59 | 548 |
| November..... | 8,792 | 5,665 | 2,417 | 91 | 618 |
| December..... | 11,703 | 6,725 | 4,210 | 134 | 635 |
| Total..... | 134,415 | 88,595 | 39,035 | 826 | 5,959 |
| 2003 | | | | | |
| January..... | 19,643 | 9,721 | 8,839 | 227 | 857 |
| February..... | 16,738 | 7,555 | 8,356 | 185 | 642 |
| March..... | 16,515 | 8,639 | 7,134 | 89 | 653 |
| April..... | 12,344 | 7,173 | 4,582 | 52 | 537 |
| May..... | 12,034 | 9,131 | 2,085 | 45 | 773 |
| June..... | 16,161 | 11,377 | 4,082 | 70 | 632 |
| July..... | 17,854 | 11,331 | 5,775 | 99 | 649 |
| August..... | 18,588 | 11,263 | 6,663 | 99 | 563 |
| September..... | 12,010 | 8,764 | 2,704 | 55 | 487 |
| October..... | 12,143 | 8,839 | 2,437 | 56 | 811 |
| November..... | 8,341 | 5,396 | 2,439 | 58 | 448 |
| December..... | 13,888 | 7,990 | 5,122 | 115 | 661 |
| Total..... | 176,259 | 107,177 | 60,219 | 1,150 | 7,713 |
| 2004 | | | | | |
| January..... | 22,709 | 9,065 | 12,486 | 206 | 953 |
| February..... | 12,624 | 7,064 | 4,956 | 85 | 518 |
| March..... | 13,249 | 7,481 | 5,179 | 78 | 511 |
| April..... | 12,239 | 7,377 | 4,279 | 75 | 507 |
| May..... | 14,597 | 9,377 | 4,636 | 65 | 520 |
| June..... | 15,648 | 10,566 | 4,388 | 76 | 619 |
| July..... | 17,553 | 11,577 | 5,208 | 89 | 680 |
| August..... | 15,725 | 10,155 | 4,855 | 79 | 636 |
| Total..... | 124,344 | 72,663 | 45,986 | 752 | 4,943 |
| Year-to-Date | | | | | |
| 2002..... | 90,982 | 60,464 | 26,315 | 480 | 3,722 |
| 2003..... | 129,877 | 76,188 | 47,517 | 865 | 5,307 |
| 2004..... | 124,344 | 72,663 | 45,986 | 752 | 4,943 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 173,310 | 104,319 | 60,236 | 1,211 | 7,543 |
| 2004..... | 170,727 | 103,650 | 58,689 | 1,037 | 7,350 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Barrels)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 21,410 | -- | 1,805 | 1,104 | 18,501 |
| 1991..... | 19,155 | -- | 1,101 | 761 | 17,294 |
| 1992..... | 19,767 | -- | 1,209 | 798 | 17,761 |
| 1993..... | 21,238 | -- | 1,390 | 821 | 19,027 |
| 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..... | 15,069 | -- | 655 | 811 | 13,603 |
| 2002 | | | | | |
| January..... | 1,132 | -- | 28 | 29 | 1,074 |
| February..... | 861 | -- | 20 | 25 | 815 |
| March..... | 1,045 | -- | 18 | 29 | 997 |
| April..... | 900 | -- | 11 | 33 | 857 |
| May..... | 999 | -- | 19 | 28 | 952 |
| June..... | 848 | -- | 19 | 28 | 801 |
| July..... | 961 | -- | 22 | 42 | 897 |
| August..... | 869 | -- | 21 | 39 | 809 |
| September..... | 907 | -- | 20 | 25 | 862 |
| October..... | 1,019 | -- | 27 | 27 | 965 |
| November..... | 1,227 | -- | 26 | 35 | 1,166 |
| December..... | 1,461 | -- | 55 | 43 | 1,363 |
| Total..... | 12,228 | -- | 286 | 384 | 11,558 |
| 2003 | | | | | |
| January..... | 1,512 | -- | 194 | 91 | 1,227 |
| February..... | 1,466 | -- | 151 | 81 | 1,233 |
| March..... | 1,357 | -- | 80 | 62 | 1,215 |
| April..... | 1,069 | -- | 44 | 31 | 993 |
| May..... | 1,347 | -- | 28 | 19 | 1,300 |
| June..... | 1,115 | -- | 26 | 30 | 1,058 |
| July..... | 1,218 | -- | 72 | 42 | 1,104 |
| August..... | 1,161 | -- | 75 | 51 | 1,035 |
| September..... | 873 | -- | 69 | 21 | 783 |
| October..... | 1,053 | -- | 21 | 23 | 1,008 |
| November..... | 906 | -- | 81 | 20 | 805 |
| December..... | 1,245 | -- | 81 | 44 | 1,120 |
| Total..... | 14,320 | -- | 923 | 515 | 12,881 |
| 2004 | | | | | |
| January..... | 2,071 | -- | 135 | 126 | 1,810 |
| February..... | 1,249 | -- | 34 | 98 | 1,117 |
| March..... | 1,119 | -- | 23 | 73 | 1,023 |
| April..... | 927 | -- | 10 | 30 | 887 |
| May..... | 818 | -- | 23 | 33 | 762 |
| June..... | 785 | -- | 10 | 25 | 750 |
| July..... | 797 | -- | 9 | 23 | 765 |
| August..... | 707 | -- | 8 | 25 | 673 |
| Total..... | 8,472 | -- | 252 | 432 | 7,787 |
| Year-to-Date | | | | | |
| 2002..... | 7,615 | -- | 158 | 254 | 7,202 |
| 2003..... | 10,243 | -- | 671 | 407 | 9,165 |
| 2004..... | 8,472 | -- | 252 | 432 | 7,787 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 14,857 | -- | 798 | 537 | 13,522 |
| 2004..... | 12,549 | -- | 505 | 541 | 11,503 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Barrels)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 230,839 | 196,054 | 5,455 | 2,056 | 27,274 |
| 1991..... | 213,879 | 184,886 | 2,157 | 1,337 | 25,499 |
| 1992..... | 179,487 | 147,335 | 4,142 | 1,223 | 26,787 |
| 1993..... | 197,857 | 162,454 | 5,115 | 1,489 | 28,799 |
| 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 | | | | | |
| January..... | 10,515 | 6,266 | 2,537 | 95 | 1,618 |
| February..... | 8,296 | 4,686 | 2,284 | 88 | 1,238 |
| March..... | 12,796 | 7,660 | 3,496 | 85 | 1,555 |
| April..... | 11,906 | 8,049 | 2,483 | 81 | 1,293 |
| May..... | 12,306 | 8,430 | 2,394 | 78 | 1,404 |
| June..... | 11,830 | 7,524 | 3,005 | 84 | 1,218 |
| July..... | 15,692 | 8,920 | 5,303 | 112 | 1,356 |
| August..... | 15,255 | 8,930 | 4,971 | 111 | 1,242 |
| September..... | 12,159 | 7,895 | 2,879 | 87 | 1,297 |
| October..... | 12,704 | 7,845 | 3,260 | 86 | 1,513 |
| November..... | 10,020 | 5,665 | 2,444 | 126 | 1,784 |
| December..... | 13,164 | 6,725 | 4,264 | 177 | 1,998 |
| Total..... | 146,643 | 88,596 | 39,320 | 1,210 | 17,517 |
| 2003 | | | | | |
| January..... | 21,155 | 9,721 | 9,033 | 318 | 2,083 |
| February..... | 18,203 | 7,555 | 8,507 | 266 | 1,875 |
| March..... | 17,872 | 8,639 | 7,214 | 151 | 1,867 |
| April..... | 13,413 | 7,173 | 4,627 | 83 | 1,530 |
| May..... | 13,381 | 9,131 | 2,113 | 63 | 2,074 |
| June..... | 17,276 | 11,377 | 4,109 | 100 | 1,690 |
| July..... | 19,072 | 11,331 | 5,847 | 141 | 1,753 |
| August..... | 19,749 | 11,263 | 6,738 | 150 | 1,599 |
| September..... | 12,883 | 8,764 | 2,773 | 76 | 1,270 |
| October..... | 13,190 | 8,833 | 2,458 | 80 | 1,819 |
| November..... | 9,247 | 5,396 | 2,520 | 78 | 1,253 |
| December..... | 15,134 | 7,990 | 5,204 | 159 | 1,781 |
| Total..... | 190,574 | 107,172 | 61,142 | 1,665 | 20,594 |
| 2004 | | | | | |
| January..... | 24,780 | 9,064 | 12,621 | 332 | 2,763 |
| February..... | 13,872 | 7,064 | 4,990 | 183 | 1,636 |
| March..... | 14,367 | 7,481 | 5,201 | 150 | 1,534 |
| April..... | 13,165 | 7,377 | 4,289 | 105 | 1,394 |
| May..... | 15,415 | 9,377 | 4,659 | 98 | 1,282 |
| June..... | 16,433 | 10,566 | 4,398 | 101 | 1,369 |
| July..... | 18,350 | 11,577 | 5,217 | 111 | 1,445 |
| August..... | 16,431 | 10,155 | 4,863 | 105 | 1,309 |
| Total..... | 132,816 | 72,663 | 46,238 | 1,185 | 12,731 |
| Year-to-Date | | | | | |
| 2002..... | 98,596 | 60,465 | 26,473 | 734 | 10,924 |
| 2003..... | 140,120 | 76,188 | 48,187 | 1,272 | 14,472 |
| 2004..... | 132,816 | 72,663 | 46,238 | 1,185 | 12,731 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 188,166 | 104,319 | 61,034 | 1,748 | 21,065 |
| 2004..... | 183,269 | 103,645 | 59,193 | 1,577 | 18,853 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation by Sector, 1990 through August 2004
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 1,914 | 819 | 189 | -- | 905 |
| 1991..... | 1,789 | 722 | 252 | -- | 815 |
| 1992..... | 2,504 | 999 | 491 | 1 | 1,013 |
| 1993..... | 3,169 | 1,220 | 1,351 | 1 | 597 |
| 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 | | | | | |
| January..... | 524 | 151 | 280 | * | 93 |
| February..... | 527 | 150 | 300 | * | 77 |
| March..... | 569 | 146 | 330 | * | 93 |
| April..... | 530 | 133 | 323 | * | 74 |
| May..... | 590 | 218 | 296 | * | 77 |
| June..... | 645 | 224 | 327 | * | 94 |
| July..... | 600 | 181 | 306 | * | 113 |
| August..... | 660 | 211 | 342 | * | 107 |
| September..... | 616 | 213 | 295 | * | 109 |
| October..... | 529 | 168 | 255 | * | 106 |
| November..... | 498 | 149 | 256 | * | 93 |
| December..... | 548 | 181 | 272 | * | 95 |
| Total..... | 6,836 | 2,125 | 3,580 | 2 | 1,130 |
| 2003 | | | | | |
| January..... | 460 | 184 | 208 | * | 67 |
| February..... | 388 | 201 | 135 | * | 52 |
| March..... | 338 | 142 | 139 | * | 57 |
| April..... | 478 | 177 | 242 | * | 58 |
| May..... | 453 | 182 | 211 | * | 60 |
| June..... | 560 | 233 | 252 | * | 75 |
| July..... | 649 | 263 | 318 | * | 67 |
| August..... | 611 | 248 | 305 | * | 58 |
| September..... | 598 | 219 | 320 | * | 59 |
| October..... | 619 | 272 | 279 | * | 67 |
| November..... | 625 | 209 | 364 | * | 52 |
| December..... | 659 | 229 | 354 | * | 76 |
| Total..... | 6,435 | 2,558 | 3,127 | 2 | 748 |
| 2004 | | | | | |
| January..... | 666 | 262 | 351 | * | 52 |
| February..... | 560 | 228 | 285 | * | 47 |
| March..... | 569 | 195 | 325 | * | 48 |
| April..... | 574 | 175 | 353 | * | 45 |
| May..... | 605 | 245 | 316 | -- | 44 |
| June..... | 594 | 219 | 296 | -- | 80 |
| July..... | 609 | 241 | 304 | -- | 63 |
| August..... | 686 | 288 | 327 | -- | 70 |
| Total..... | 4,862 | 1,853 | 2,558 | 2 | 449 |
| Year-to-Date | | | | | |
| 2002..... | 4,645 | 1,414 | 2,503 | 1 | 727 |
| 2003..... | 3,935 | 1,629 | 1,810 | 2 | 494 |
| 2004..... | 4,862 | 1,853 | 2,558 | 2 | 449 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 6,126 | 2,340 | 2,887 | 2 | 897 |
| 2004..... | 7,363 | 2,782 | 3,876 | 2 | 703 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 918 | -- | -- | -- | 918 |
| 1991..... | 777 | -- | -- | -- | 777 |
| 1992..... | 862 | -- | 4 | 2 | 856 |
| 1993..... | 1,031 | -- | 40 | 4 | 987 |
| 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..... | 664 | -- | 119 | -- | 545 |
| 2002 | | | | | |
| January..... | 46 | -- | 10 | 1 | 35 |
| February..... | 39 | -- | 9 | 1 | 29 |
| March..... | 35 | -- | 11 | 1 | 23 |
| April..... | 45 | -- | 8 | 1 | 36 |
| May..... | 44 | -- | 10 | 1 | 33 |
| June..... | 48 | -- | 12 | 1 | 35 |
| July..... | 54 | -- | 12 | * | 42 |
| August..... | 48 | -- | 9 | 1 | 39 |
| September..... | 35 | -- | 4 | * | 31 |
| October..... | 42 | -- | 7 | * | 35 |
| November..... | 35 | -- | 8 | 1 | 27 |
| December..... | 46 | -- | 11 | 1 | 34 |
| Total..... | 517 | -- | 111 | 6 | 399 |
| 2003 | | | | | |
| January..... | 68 | -- | 10 | 1 | 57 |
| February..... | 50 | -- | 8 | 1 | 42 |
| March..... | 57 | -- | 11 | 1 | 45 |
| April..... | 60 | -- | 13 | 1 | 47 |
| May..... | 63 | -- | 9 | 1 | 54 |
| June..... | 64 | -- | 8 | 1 | 55 |
| July..... | 62 | -- | 7 | 1 | 54 |
| August..... | 73 | -- | 22 | 1 | 51 |
| September..... | 60 | -- | 8 | 1 | 51 |
| October..... | 66 | -- | 8 | 1 | 58 |
| November..... | 55 | -- | 4 | * | 51 |
| December..... | 75 | -- | 5 | 1 | 69 |
| Total..... | 754 | -- | 112 | 7 | 635 |
| 2004 | | | | | |
| January..... | 56 | -- | 14 | 1 | 40 |
| February..... | 47 | -- | 11 | 1 | 35 |
| March..... | 53 | -- | 22 | 1 | 30 |
| April..... | 51 | -- | 14 | 1 | 36 |
| May..... | 48 | -- | 8 | -- | 40 |
| June..... | 20 | -- | * | -- | 19 |
| July..... | 36 | -- | * | -- | 36 |
| August..... | 19 | -- | * | * | 18 |
| Total..... | 329 | -- | 72 | 3 | 255 |
| Year-to-Date | | | | | |
| 2002..... | 358 | -- | 82 | 4 | 273 |
| 2003..... | 498 | -- | 87 | 5 | 406 |
| 2004..... | 329 | -- | 72 | 3 | 255 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 656 | -- | 117 | 7 | 533 |
| 2004..... | 585 | -- | 96 | 5 | 484 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Tons)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 2,832 | 819 | 189 | -- | 1,824 |
| 1991..... | 2,566 | 722 | 252 | -- | 1,592 |
| 1992..... | 3,366 | 999 | 495 | 2 | 1,870 |
| 1993..... | 4,200 | 1,220 | 1,391 | 5 | 1,583 |
| 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 | | | | | |
| January..... | 570 | 151 | 290 | 1 | 128 |
| February..... | 566 | 150 | 309 | 1 | 106 |
| March..... | 603 | 146 | 341 | 1 | 116 |
| April..... | 575 | 133 | 331 | 1 | 110 |
| May..... | 634 | 218 | 305 | 1 | 110 |
| June..... | 693 | 224 | 339 | 1 | 129 |
| July..... | 654 | 181 | 318 | 1 | 154 |
| August..... | 709 | 211 | 350 | 1 | 146 |
| September..... | 651 | 213 | 299 | 1 | 139 |
| October..... | 572 | 168 | 262 | 1 | 141 |
| November..... | 533 | 149 | 263 | 1 | 120 |
| December..... | 594 | 181 | 283 | 1 | 129 |
| Total..... | 7,353 | 2,125 | 3,691 | 8 | 1,529 |
| 2003 | | | | | |
| January..... | 527 | 184 | 218 | 1 | 124 |
| February..... | 438 | 201 | 142 | 1 | 94 |
| March..... | 395 | 142 | 150 | 1 | 102 |
| April..... | 538 | 177 | 255 | 1 | 105 |
| May..... | 516 | 182 | 219 | 1 | 115 |
| June..... | 624 | 233 | 260 | 1 | 130 |
| July..... | 710 | 263 | 325 | 1 | 121 |
| August..... | 684 | 248 | 327 | 1 | 109 |
| September..... | 658 | 219 | 328 | 1 | 110 |
| October..... | 685 | 272 | 287 | 1 | 125 |
| November..... | 680 | 209 | 368 | * | 103 |
| December..... | 733 | 229 | 359 | 1 | 145 |
| Total..... | 7,190 | 2,558 | 3,239 | 9 | 1,383 |
| 2004 | | | | | |
| January..... | 721 | 262 | 366 | 1 | 92 |
| February..... | 607 | 228 | 297 | 1 | 81 |
| March..... | 622 | 195 | 347 | 1 | 79 |
| April..... | 624 | 175 | 367 | 1 | 81 |
| May..... | 653 | 245 | 324 | -- | 84 |
| June..... | 614 | 219 | 296 | -- | 99 |
| July..... | 645 | 241 | 305 | -- | 99 |
| August..... | 704 | 288 | 328 | * | 89 |
| Total..... | 5,192 | 1,853 | 2,630 | 5 | 704 |
| Year-to-Date | | | | | |
| 2002..... | 5,004 | 1,414 | 2,585 | 5 | 1,000 |
| 2003..... | 4,433 | 1,629 | 1,897 | 6 | 900 |
| 2004..... | 5,192 | 1,853 | 2,630 | 5 | 704 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 6,783 | 2,340 | 3,004 | 9 | 1,430 |
| 2004..... | 7,948 | 2,782 | 3,972 | 7 | 1,187 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation by Sector, 1990 through August 2004
(Thousand Mcf)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 3,691,563 | 2,787,332 | 359,957 | 27,544 | 516,729 |
| 1991..... | 3,764,778 | 2,789,014 | 427,042 | 26,806 | 521,916 |
| 1992..... | 3,899,718 | 2,765,608 | 559,355 | 32,674 | 542,081 |
| 1993..... | 3,928,653 | 2,682,440 | 661,800 | 37,435 | 546,978 |
| 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 | | | | | |
| January..... | 423,766 | 148,293 | 211,421 | 2,621 | 61,431 |
| February..... | 380,881 | 135,922 | 187,851 | 2,120 | 54,988 |
| March..... | 447,756 | 160,938 | 224,281 | 2,730 | 59,807 |
| April..... | 439,403 | 170,117 | 213,926 | 2,539 | 52,820 |
| May..... | 452,798 | 181,097 | 208,711 | 2,411 | 60,579 |
| June..... | 589,291 | 232,524 | 296,779 | 2,824 | 57,164 |
| July..... | 776,565 | 297,000 | 413,267 | 3,334 | 62,964 |
| August..... | 759,216 | 287,812 | 405,515 | 3,693 | 62,196 |
| September..... | 605,500 | 228,057 | 318,115 | 2,980 | 56,348 |
| October..... | 475,151 | 174,856 | 245,774 | 2,616 | 51,905 |
| November..... | 385,378 | 125,045 | 205,255 | 2,210 | 52,869 |
| December..... | 390,357 | 118,023 | 217,700 | 2,466 | 52,168 |
| Total..... | 6,126,062 | 2,259,684 | 3,148,595 | 32,545 | 685,239 |
| 2003 | | | | | |
| January..... | 407,786 | 131,815 | 210,863 | 3,165 | 61,943 |
| February..... | 364,952 | 115,308 | 193,133 | 2,411 | 54,100 |
| March..... | 390,993 | 128,481 | 203,825 | 2,808 | 55,879 |
| April..... | 365,031 | 133,514 | 178,841 | 2,688 | 49,988 |
| May..... | 416,749 | 160,746 | 204,036 | 3,293 | 48,673 |
| June..... | 451,515 | 170,370 | 223,445 | 3,708 | 53,992 |
| July..... | 646,150 | 236,785 | 350,816 | 3,322 | 55,227 |
| August..... | 696,521 | 250,461 | 383,600 | 3,548 | 58,912 |
| September..... | 467,900 | 163,680 | 252,479 | 2,414 | 49,328 |
| October..... | 432,282 | 136,190 | 237,148 | 2,906 | 56,038 |
| November..... | 374,054 | 125,906 | 190,728 | 2,575 | 54,845 |
| December..... | 365,868 | 116,992 | 189,031 | 2,408 | 57,437 |
| Total..... | 5,379,802 | 1,870,248 | 2,817,947 | 35,244 | 656,362 |
| 2004 | | | | | |
| January..... | 376,416 | 120,568 | 202,741 | 2,589 | 50,518 |
| February..... | 394,019 | 121,440 | 218,882 | 2,755 | 50,942 |
| March..... | 394,079 | 119,476 | 219,901 | 2,764 | 51,937 |
| April..... | 406,533 | 128,356 | 224,862 | 2,785 | 50,529 |
| May..... | 505,411 | 164,843 | 275,365 | 3,376 | 61,827 |
| June..... | 539,655 | 180,687 | 292,758 | 3,422 | 62,788 |
| July..... | 660,755 | 221,710 | 367,315 | 3,696 | 68,035 |
| August..... | 649,504 | 201,025 | 375,970 | 3,866 | 68,643 |
| Total..... | 3,925,906 | 1,258,145 | 2,177,328 | 25,254 | 465,178 |
| Year-to-Date | | | | | |
| 2002..... | 4,269,676 | 1,613,704 | 2,161,750 | 22,272 | 471,949 |
| 2003..... | 3,739,697 | 1,327,480 | 1,948,561 | 24,942 | 438,713 |
| 2004..... | 3,925,906 | 1,258,145 | 2,177,328 | 25,254 | 465,178 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 5,596,083 | 1,973,460 | 2,935,405 | 35,215 | 652,003 |
| 2004..... | 5,566,476 | 1,800,872 | 3,047,180 | 35,556 | 682,868 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Mcf)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 654,749 | -- | 97,330 | 18,913 | 538,506 |
| 1991..... | 663,963 | -- | 99,868 | 25,295 | 538,800 |
| 1992..... | 717,860 | -- | 122,908 | 29,672 | 565,279 |
| 1993..... | 733,584 | -- | 128,743 | 27,738 | 577,103 |
| 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..... | 898,530 | -- | 200,038 | 42,413 | 656,079 |
| 2002 | | | | | |
| January..... | 77,676 | -- | 21,720 | 3,498 | 52,458 |
| February..... | 68,341 | -- | 20,470 | 2,991 | 44,880 |
| March..... | 71,879 | -- | 21,298 | 3,498 | 47,083 |
| April..... | 68,105 | -- | 20,340 | 3,224 | 44,541 |
| May..... | 69,916 | -- | 20,300 | 3,070 | 46,547 |
| June..... | 70,359 | -- | 21,638 | 3,466 | 45,255 |
| July..... | 75,420 | -- | 23,620 | 4,076 | 47,724 |
| August..... | 74,137 | -- | 24,265 | 4,125 | 45,747 |
| September..... | 70,649 | -- | 22,528 | 3,572 | 44,549 |
| October..... | 70,494 | -- | 21,727 | 3,241 | 45,526 |
| November..... | 68,971 | -- | 21,312 | 3,134 | 44,525 |
| December..... | 74,076 | -- | 24,400 | 3,543 | 46,133 |
| Total..... | 860,024 | -- | 263,619 | 41,435 | 554,970 |
| 2003 | | | | | |
| January..... | 71,818 | -- | 24,374 | 3,323 | 44,121 |
| February..... | 62,048 | -- | 20,360 | 2,728 | 38,960 |
| March..... | 65,758 | -- | 20,726 | 2,812 | 42,220 |
| April..... | 60,351 | -- | 20,557 | 2,397 | 37,397 |
| May..... | 55,212 | -- | 16,316 | 2,645 | 36,251 |
| June..... | 58,861 | -- | 17,382 | 2,837 | 38,642 |
| July..... | 68,605 | -- | 21,054 | 3,888 | 43,664 |
| August..... | 69,098 | -- | 20,025 | 4,106 | 44,967 |
| September..... | 54,237 | -- | 18,126 | 2,769 | 33,342 |
| October..... | 63,015 | -- | 18,211 | 2,870 | 41,869 |
| November..... | 63,477 | -- | 21,095 | 2,651 | 39,701 |
| December..... | 66,995 | -- | 23,374 | 2,709 | 40,847 |
| Total..... | 759,476 | -- | 241,599 | 35,736 | 481,981 |
| 2004 | | | | | |
| January..... | 60,352 | -- | 18,646 | 3,093 | 38,613 |
| February..... | 60,030 | -- | 15,563 | 3,213 | 41,253 |
| March..... | 58,268 | -- | 15,834 | 2,924 | 39,510 |
| April..... | 58,409 | -- | 15,852 | 2,719 | 39,838 |
| May..... | 61,703 | -- | 16,352 | 2,704 | 42,648 |
| June..... | 49,478 | -- | 12,150 | 2,702 | 34,626 |
| July..... | 53,552 | -- | 12,442 | 3,181 | 37,929 |
| August..... | 53,275 | -- | 11,963 | 3,144 | 38,167 |
| Total..... | 455,067 | -- | 118,802 | 23,681 | 312,585 |
| Year-to-Date | | | | | |
| 2002..... | 575,834 | -- | 173,651 | 27,946 | 374,237 |
| 2003..... | 511,751 | -- | 160,793 | 24,737 | 326,222 |
| 2004..... | 455,067 | -- | 118,802 | 23,681 | 312,585 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 795,941 | -- | 250,760 | 38,227 | 506,955 |
| 2004..... | 702,792 | -- | 199,608 | 34,680 | 468,344 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1990 through August 2004
(Thousand Mcf)

| Period | Total (All Sectors) | Electric Power Sector ¹ | | Commercial Sector ² | Industrial Sector ³ |
|---|---------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|
| | | Electric Utilities | Independent Power Producers | | |
| 1990..... | 4,346,311 | 2,787,332 | 457,287 | 46,458 | 1,055,235 |
| 1991..... | 4,428,742 | 2,789,014 | 526,910 | 52,101 | 1,060,716 |
| 1992..... | 4,617,578 | 2,765,608 | 682,263 | 62,346 | 1,107,361 |
| 1993..... | 4,662,236 | 2,682,440 | 790,543 | 65,173 | 1,124,081 |
| 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 | | | | | |
| January..... | 501,442 | 148,293 | 233,141 | 6,119 | 113,889 |
| February..... | 449,223 | 135,922 | 208,321 | 5,111 | 99,869 |
| March..... | 519,635 | 160,938 | 245,578 | 6,228 | 106,890 |
| April..... | 507,508 | 170,117 | 234,267 | 5,763 | 97,361 |
| May..... | 522,715 | 181,097 | 229,011 | 5,481 | 107,125 |
| June..... | 659,650 | 232,524 | 318,417 | 6,289 | 102,419 |
| July..... | 851,986 | 297,000 | 436,887 | 7,409 | 110,689 |
| August..... | 833,353 | 287,812 | 429,780 | 7,818 | 107,943 |
| September..... | 676,148 | 228,057 | 340,643 | 6,552 | 100,897 |
| October..... | 545,645 | 174,856 | 267,501 | 5,857 | 97,431 |
| November..... | 454,349 | 125,045 | 226,567 | 5,344 | 97,393 |
| December..... | 464,434 | 118,023 | 242,100 | 6,009 | 98,302 |
| Total..... | 6,986,087 | 2,259,684 | 3,412,213 | 73,980 | 1,240,209 |
| 2003 | | | | | |
| January..... | 479,604 | 131,815 | 235,237 | 6,489 | 106,063 |
| February..... | 427,001 | 115,308 | 213,493 | 5,139 | 93,060 |
| March..... | 456,751 | 128,481 | 224,551 | 5,620 | 98,099 |
| April..... | 425,382 | 133,514 | 199,398 | 5,085 | 87,385 |
| May..... | 471,961 | 160,746 | 220,352 | 5,938 | 84,924 |
| June..... | 510,375 | 170,370 | 240,827 | 6,545 | 92,634 |
| July..... | 714,755 | 236,785 | 371,869 | 7,210 | 98,891 |
| August..... | 765,619 | 250,461 | 403,626 | 7,654 | 103,878 |
| September..... | 522,137 | 163,680 | 270,605 | 5,182 | 82,670 |
| October..... | 495,155 | 136,236 | 255,237 | 5,776 | 97,906 |
| November..... | 437,414 | 125,896 | 211,748 | 5,226 | 94,544 |
| December..... | 432,774 | 117,038 | 212,335 | 5,117 | 98,284 |
| Total..... | 6,138,929 | 1,870,330 | 3,059,280 | 70,980 | 1,138,339 |
| 2004 | | | | | |
| January..... | 436,627 | 120,568 | 221,310 | 5,682 | 89,129 |
| February..... | 453,944 | 121,440 | 234,354 | 5,969 | 92,182 |
| March..... | 452,258 | 119,476 | 235,654 | 5,688 | 91,439 |
| April..... | 464,827 | 128,356 | 240,602 | 5,504 | 90,365 |
| May..... | 566,995 | 164,843 | 291,613 | 6,080 | 104,459 |
| June..... | 589,133 | 180,687 | 304,909 | 6,123 | 97,414 |
| July..... | 714,307 | 221,710 | 379,756 | 6,877 | 105,964 |
| August..... | 702,779 | 201,025 | 387,933 | 7,011 | 106,811 |
| Total..... | 4,380,973 | 1,258,145 | 2,296,130 | 48,934 | 777,763 |
| Year-to-Date | | | | | |
| 2002..... | 4,845,511 | 1,613,704 | 2,335,402 | 50,218 | 846,186 |
| 2003..... | 4,251,448 | 1,327,480 | 2,109,354 | 49,679 | 764,935 |
| 2004..... | 4,380,973 | 1,258,145 | 2,296,130 | 48,934 | 777,763 |
| Rolling 12 Months Ending in August | | | | | |
| 2003..... | 6,392,024 | 1,973,460 | 3,186,165 | 73,442 | 1,158,957 |
| 2004..... | 6,268,352 | 1,800,954 | 3,246,056 | 70,235 | 1,151,167 |

¹ The electric power sector includes electricity-only plants and combined heat-and-power plants with NAICS code 22 whose primary business is to sell electricity.

² Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

³ Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906 and Form EIA-920. • Values for prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.5.A. Consumption of Coal for Electricity Generation by State by Sector, August 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|---------------|--------------------------------|-----------|--------------------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 782 | 810 | -3.5 | 200 | 160 | 573 | 626 | -- | -- | 9 | 23 |
| Connecticut..... | 197 | 187 | 5.6 | -- | -- | 197 | 187 | -- | -- | -- | -- |
| Maine..... | 12 | 28 | -58.2 | -- | -- | 5 | 6 | -- | -- | 7 | 22 |
| Massachusetts..... | 412 | 434 | -5.1 | 40 | -- | 371 | 433 | -- | -- | NM | NM |
| New Hampshire..... | 160 | 160 | .0 | 160 | 160 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 6,317 | 6,043 | 4.5 | 784 | 800 | 5,383 | 5,154 | * | 1 | 149 | 88 |
| New Jersey..... | 387 | 431 | -10.1 | 63 | 88 | 324 | 343 | -- | -- | -- | -- |
| New York..... | 941 | 889 | 5.8 | 68 | 64 | 809 | 802 | * | 1 | 63 | 22 |
| Pennsylvania..... | 4,989 | 4,723 | 5.6 | 653 | 648 | 4,250 | 4,009 | * | * | 86 | 66 |
| East North Central..... | 20,288 | 21,294 | -4.7 | 15,617 | 16,715 | 4,333 | 4,411 | 24 | 21 | 315 | 147 |
| Illinois..... | 4,919 | 5,265 | -6.6 | 938 | 1,130 | 3,787 | 4,063 | 3 | 1 | 191 | 72 |
| Indiana..... | 5,134 | 5,346 | -4.0 | 4,780 | 5,206 | 338 | 128 | 13 | 9 | NM | NM |
| Michigan..... | 3,175 | 2,944 | 7.8 | 3,102 | 2,892 | 21 | 18 | 7 | 9 | 44 | 25 |
| Ohio..... | 4,716 | 5,367 | -12.1 | 4,514 | 5,154 | 186 | 201 | -- | * | 15 | 12 |
| Wisconsin..... | 2,345 | 2,371 | -1.1 | 2,282 | 2,333 | NM | NM | 1 | 2 | 61 | 36 |
| West North Central..... | 13,300 | 14,094 | -5.6 | 12,990 | 13,857 | 86 | 6 | 14 | 11 | 210 | 219 |
| Iowa..... | 2,079 | 2,118 | -1.8 | 1,937 | 2,048 | NM | NM | 4 | 4 | 132 | 60 |
| Kansas..... | 1,947 | 2,061 | -5.5 | 1,947 | 2,061 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 1,786 | 1,899 | -6.0 | 1,652 | 1,764 | 80 | -- | -- | -- | 54 | 135 |
| Missouri..... | 4,030 | 4,351 | -7.4 | 4,012 | 4,336 | -- | -- | 10 | 8 | NM | NM |
| Nebraska..... | 1,022 | 1,170 | -12.7 | 1,020 | 1,168 | -- | -- | -- | -- | NM | NM |
| North Dakota..... | 2,245 | 2,283 | -1.7 | 2,230 | 2,268 | -- | -- | -- | -- | NM | NM |
| South Dakota..... | 191 | 212 | -10.0 | 191 | 212 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 16,302 | 16,974 | -4.0 | 12,964 | 13,688 | 3,037 | 3,096 | 2 | 3 | 298 | 188 |
| Delaware..... | 165 | 208 | -20.8 | -- | -- | 162 | 206 | -- | -- | NM | NM |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 2,537 | 2,718 | -6.6 | 2,310 | 2,508 | 205 | 206 | -- | -- | 23 | 3 |
| Georgia..... | 3,487 | 3,456 | .9 | 3,413 | 3,430 | -- | -- | -- | -- | 75 | 26 |
| Maryland..... | 1,084 | 1,136 | -4.6 | -- | -- | 1,073 | 1,120 | -- | -- | 11 | 16 |
| North Carolina..... | 2,784 | 3,003 | -7.3 | 2,579 | 2,812 | 152 | 134 | 2 | 3 | 50 | 54 |
| South Carolina..... | 1,477 | 1,436 | 2.9 | 1,448 | 1,420 | -- | -- | -- | -- | 29 | 16 |
| Virginia..... | 1,382 | 1,516 | -8.8 | 1,069 | 1,176 | 261 | 305 | -- | -- | 52 | 35 |
| West Virginia..... | 3,385 | 3,501 | -3.3 | 2,146 | 2,342 | 1,184 | 1,125 | -- | -- | 56 | 35 |
| East South Central..... | 10,159 | 10,447 | -2.8 | 9,390 | 9,681 | 687 | 697 | 3 | 2 | 79 | 68 |
| Alabama..... | 3,394 | 3,511 | -3.3 | 3,367 | 3,478 | 3 | 11 | -- | -- | 24 | 21 |
| Kentucky..... | 3,540 | 3,609 | -1.9 | 3,191 | 3,270 | 349 | 339 | -- | -- | -- | -- |
| Mississippi..... | 962 | 953 | 1.0 | 628 | 605 | 335 | 346 | -- | -- | * | 1 |
| Tennessee..... | 2,262 | 2,375 | -4.8 | 2,204 | 2,328 | -- | -- | 3 | 2 | 55 | 46 |
| West South Central..... | 14,516 | 14,391 | .9 | 7,985 | 9,428 | 6,310 | 4,723 | -- | -- | 221 | 241 |
| Arkansas..... | 1,461 | 1,358 | 7.5 | 1,458 | 1,349 | -- | -- | -- | -- | 3 | 9 |
| Louisiana..... | 1,538 | 1,498 | 2.7 | 800 | 816 | 738 | 681 | -- | -- | 1 | 1 |
| Oklahoma..... | 1,971 | 1,995 | -1.2 | 1,835 | 1,866 | 107 | 106 | -- | -- | 29 | 23 |
| Texas..... | 9,545 | 9,540 | .1 | 3,892 | 5,396 | 5,465 | 3,935 | -- | -- | 188 | 209 |
| Mountain..... | 10,692 | 10,416 | 2.7 | 9,659 | 9,310 | 1,003 | 1,061 | -- | -- | 30 | 44 |
| Arizona..... | 1,828 | 1,760 | 3.9 | 1,811 | 1,746 | -- | -- | -- | -- | 17 | 14 |
| Colorado..... | 1,753 | 1,767 | -.8 | 1,738 | 1,753 | NM | NM | -- | -- | -- | -- |
| Idaho..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Montana..... | 960 | 989 | -3.0 | NM | NM | 934 | 961 | -- | -- | -- | -- |
| Nevada..... | 807 | 568 | 42.1 | 807 | 568 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 1,548 | 1,588 | -2.6 | 1,548 | 1,588 | -- | -- | -- | -- | -- | -- |
| Utah..... | 1,371 | 1,496 | -8.3 | 1,312 | 1,446 | 54 | 45 | -- | -- | NM | NM |
| Wyoming..... | 2,422 | 2,244 | 7.9 | 2,418 | 2,181 | -- | 42 | -- | -- | 4 | 22 |
| Pacific Contiguous..... | 964 | 994 | -3.0 | 200 | 238 | 727 | 742 | -- | 1 | 37 | 14 |
| California..... | 117 | 80 | 45.8 | -- | -- | 81 | 67 | -- | -- | 36 | 13 |
| Oregon..... | 201 | 239 | -16.0 | 200 | 238 | -- | -- | -- | -- | NM | NM |
| Washington..... | 647 | 675 | -4.3 | -- | -- | 646 | 674 | -- | 1 | * | 1 |
| Pacific Noncontiguous.. | 113 | 110 | 2.6 | 19 | 3 | 83 | 91 | 11 | 13 | -- | 3 |
| Alaska..... | 48 | 45 | 7.0 | 19 | 3 | NM | NM | 11 | 13 | -- | -- |
| Hawaii..... | 64 | 65 | -.4 | -- | -- | 64 | 61 | -- | -- | -- | 3 |
| U.S. Total..... | 93,432 | 95,573 | -2.2 | 69,808 | 73,880 | 22,221 | 20,606 | 56 | 51 | 1,347 | 1,036 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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

Table 2.5.B. Consumption of Coal for Electricity Generation by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 5,584 | 5,590 | -1 | 1,138 | 986 | 4,371 | 4,430 | -- | -- | 74 | 174 |
| Connecticut..... | 1,438 | 1,380 | 4.2 | -- | -- | 1,438 | 1,380 | -- | -- | -- | -- |
| Maine..... | 118 | 207 | -43.0 | -- | -- | 54 | 43 | -- | -- | 64 | 164 |
| Massachusetts..... | 2,970 | 3,017 | -1.5 | 81 | -- | 2,879 | 3,007 | -- | -- | NM | NM |
| New Hampshire..... | 1,057 | 986 | 7.2 | 1,057 | 986 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 44,969 | 43,138 | 4.2 | 6,043 | 5,343 | 38,002 | 37,121 | 5 | 9 | 919 | 665 |
| New Jersey..... | 2,845 | 2,468 | 15.3 | 536 | 525 | 2,309 | 1,944 | -- | -- | -- | -- |
| New York..... | 6,986 | 6,563 | 6.4 | 498 | 477 | 6,200 | 5,942 | 4 | 8 | 284 | 136 |
| Pennsylvania..... | 35,139 | 34,107 | 3.0 | 5,009 | 4,342 | 29,494 | 29,235 | NM | NM | 635 | 528 |
| East North Central..... | 153,122 | 150,709 | 1.6 | 119,156 | 119,689 | 32,017 | 29,585 | 149 | 141 | 1,801 | 1,294 |
| Illinois..... | 36,837 | 35,249 | 4.5 | 7,536 | 7,626 | 28,364 | 26,937 | 12 | 10 | 924 | 677 |
| Indiana..... | 39,204 | 38,588 | 1.6 | 36,639 | 37,437 | 2,467 | 1,067 | 71 | 58 | NM | NM |
| Michigan..... | 23,067 | 22,707 | 1.6 | 22,551 | 22,309 | 148 | 125 | 58 | 61 | 309 | 211 |
| Ohio..... | 37,305 | 37,841 | -1.4 | 36,149 | 36,307 | 1,033 | 1,450 | -- | 1 | 123 | 82 |
| Wisconsin..... | 16,710 | 16,324 | 2.4 | 16,279 | 16,010 | NM | NM | 7 | 11 | 418 | 298 |
| West North Central..... | 98,886 | 100,587 | -1.7 | 96,913 | 98,908 | 670 | 44 | 97 | 68 | 1,206 | 1,567 |
| Iowa..... | 14,906 | 15,177 | -1.8 | 14,193 | 14,758 | 45 | 44 | 27 | 25 | 641 | 349 |
| Kansas..... | 14,747 | 14,992 | -1.6 | 14,747 | 14,992 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 13,255 | 14,172 | -6.5 | 12,241 | 13,127 | 625 | -- | -- | -- | 390 | 1,045 |
| Missouri..... | 29,763 | 29,589 | .6 | 29,641 | 29,494 | -- | -- | 69 | 43 | 53 | 52 |
| Nebraska..... | 7,830 | 8,335 | -6.1 | 7,814 | 8,318 | -- | -- | -- | -- | NM | NM |
| North Dakota..... | 16,810 | 16,861 | -3 | 16,705 | 16,757 | -- | -- | -- | -- | NM | NM |
| South Dakota..... | 1,574 | 1,463 | 7.6 | 1,574 | 1,463 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 119,784 | 115,341 | 3.9 | 95,859 | 92,690 | 22,048 | 21,312 | 19 | 18 | 1,858 | 1,320 |
| Delaware..... | 1,412 | 1,176 | 20.1 | -- | -- | 1,392 | 1,156 | -- | -- | NM | NM |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 17,716 | 17,624 | .5 | 16,092 | 16,166 | 1,493 | 1,398 | -- | -- | 131 | 60 |
| Georgia..... | 25,643 | 22,683 | 13.1 | 25,165 | 22,392 | -- | -- | -- | -- | 478 | 290 |
| Maryland..... | 8,081 | 7,957 | 1.6 | -- | -- | 8,002 | 7,870 | -- | -- | 79 | 88 |
| North Carolina..... | 21,659 | 20,112 | 7.7 | 20,176 | 18,794 | 1,100 | 1,010 | 19 | 18 | 364 | 290 |
| South Carolina..... | 10,672 | 9,907 | 7.7 | 10,471 | 9,741 | -- | -- | -- | -- | 201 | 166 |
| Virginia..... | 9,906 | 10,232 | -3.2 | 7,498 | 7,956 | 2,116 | 2,056 | -- | * | 291 | 220 |
| West Virginia..... | 24,696 | 25,650 | -3.7 | 16,457 | 17,641 | 7,946 | 7,822 | -- | -- | 294 | 187 |
| East South Central..... | 73,752 | 72,720 | 1.4 | 68,147 | 67,687 | 4,965 | 4,438 | 18 | 14 | 622 | 581 |
| Alabama..... | 23,242 | 23,857 | -2.6 | 23,015 | 23,593 | 44 | 81 | -- | -- | 183 | 182 |
| Kentucky..... | 26,653 | 26,358 | 1.1 | 24,098 | 23,767 | 2,555 | 2,591 | -- | -- | -- | -- |
| Mississippi..... | 6,664 | 7,139 | -6.7 | 4,296 | 5,370 | 2,366 | 1,766 | -- | -- | 1 | 3 |
| Tennessee..... | 17,193 | 15,366 | 11.9 | 16,737 | 14,956 | -- | -- | 18 | 14 | 438 | 395 |
| West South Central..... | 103,788 | 102,370 | 1.4 | 67,461 | 67,869 | 34,462 | 32,675 | -- | -- | 1,864 | 1,826 |
| Arkansas..... | 10,034 | 8,879 | 13.0 | 10,011 | 8,821 | -- | -- | -- | -- | 23 | 59 |
| Louisiana..... | 10,516 | 10,118 | 3.9 | 5,299 | 5,014 | 5,208 | 5,086 | -- | -- | 8 | 18 |
| Oklahoma..... | 13,428 | 14,850 | -9.6 | 12,571 | 14,024 | 644 | 647 | -- | -- | 213 | 179 |
| Texas..... | 69,810 | 68,523 | 1.9 | 39,579 | 40,011 | 28,611 | 26,942 | -- | -- | 1,620 | 1,571 |
| Mountain..... | 77,725 | 76,480 | 1.6 | 70,010 | 68,683 | 7,476 | 7,483 | -- | -- | 239 | 314 |
| Arizona..... | 13,540 | 12,741 | 6.3 | 13,398 | 12,637 | -- | -- | -- | -- | 142 | 104 |
| Colorado..... | 12,805 | 12,931 | -1.0 | 12,699 | 12,834 | 106 | 98 | -- | -- | -- | -- |
| Idaho..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Montana..... | 7,172 | 6,965 | 3.0 | 194 | 212 | 6,977 | 6,753 | -- | -- | -- | -- |
| Nevada..... | 5,393 | 4,469 | 20.7 | 5,393 | 4,469 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 10,870 | 11,398 | -4.6 | 10,870 | 11,398 | -- | -- | -- | -- | -- | -- |
| Utah..... | 10,909 | 10,777 | 1.2 | 10,482 | 10,406 | 392 | 340 | -- | -- | 34 | 32 |
| Wyoming..... | 17,008 | 17,170 | -9 | 16,975 | 16,728 | -- | 292 | -- | -- | 34 | 149 |
| Pacific Contiguous..... | 6,401 | 7,038 | -9.1 | 1,132 | 1,575 | 5,039 | 5,349 | NM | NM | 228 | 110 |
| California..... | 812 | 608 | 33.7 | -- | -- | 593 | 510 | -- | -- | 219 | 98 |
| Oregon..... | 1,136 | 1,579 | -28.1 | 1,132 | 1,575 | -- | -- | -- | -- | NM | NM |
| Washington..... | 4,452 | 4,852 | -8.2 | -- | -- | 4,446 | 4,840 | NM | NM | 4 | 8 |
| Pacific Noncontiguous.. | 855 | 879 | -2.8 | 133 | 91 | 625 | 685 | 96 | 88 | -- | 16 |
| Alaska..... | 365 | 387 | -5.7 | 133 | 91 | 135 | 207 | 96 | 88 | -- | -- |
| Hawaii..... | 490 | 493 | -5 | -- | -- | 490 | 477 | -- | -- | -- | 16 |
| U.S. Total..... | 684,864 | 674,853 | 1.5 | 525,992 | 523,522 | 149,676 | 143,122 | 385 | 342 | 8,811 | 7,866 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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

Table 2.6.A. Consumption of Petroleum Liquids for Electricity Generation by State by Sector, August 2004 and 2003

(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|-----------------------|---------------|-----------------------------|--------------|--------------------------------|-----------|--------------------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 1,599 | 1,860 | -14.0 | 276 | 329 | 1,155 | 1,361 | 45 | 71 | 122 | 98 |
| Connecticut..... | 306 | 422 | -27.6 | NM | NM | 300 | 411 | NM | NM | NM | NM |
| Maine..... | 183 | 131 | 39.1 | -- | -- | 89 | 66 | NM | NM | 93 | 64 |
| Massachusetts..... | 823 | 955 | -13.9 | 7 | 12 | 766 | 884 | 28 | 38 | NM | NM |
| New Hampshire..... | 275 | 326 | -15.8 | 267 | 311 | NM | NM | NM | NM | NM | NM |
| Rhode Island..... | NM | NM | -- | NM | NM | NM | NM | NM | NM | NM | NM |
| Vermont..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 3,681 | 4,960 | -25.8 | 1,340 | 1,727 | 2,270 | 3,179 | 28 | 17 | 42 | 36 |
| New Jersey..... | 226 | 276 | -18.3 | 27 | 71 | 189 | 184 | NM | NM | NM | NM |
| New York..... | 3,056 | 3,842 | -20.5 | 1,311 | 1,651 | 1,694 | 2,174 | 27 | 15 | 23 | 2 |
| Pennsylvania..... | 400 | 842 | -52.5 | 2 | 4 | 386 | 821 | NM | NM | NM | NM |
| East North Central..... | 258 | 920 | -72.0 | 194 | 558 | 48 | 340 | NM | NM | NM | NM |
| Illinois..... | 43 | 356 | -88.0 | 4 | 17 | 38 | 338 | * | 1 | NM | NM |
| Indiana..... | 27 | 23 | 17.0 | 24 | 22 | NM | NM | * | * | 3 | 1 |
| Michigan..... | 123 | 398 | -69.1 | 120 | 396 | NM | NM | NM | NM | NM | NM |
| Ohio..... | 43 | 94 | -54.0 | 39 | 91 | NM | NM | NM | NM | NM | NM |
| Wisconsin..... | NM | NM | -- | 7 | 32 | 7 | * | -- | 2 | NM | NM |
| West North Central..... | 208 | 407 | -49.0 | 206 | 399 | 1 | 1 | * | 3 | NM | NM |
| Iowa..... | 9 | 32 | -70.5 | 9 | 31 | 1 | 1 | NM | NM | NM | NM |
| Kansas..... | 178 | 311 | -42.7 | 178 | 311 | -- | -- | -- | -- | NM | NM |
| Minnesota..... | NM | NM | -- | NM | NM | * | -- | * | 3 | NM | NM |
| Missouri..... | 7 | 26 | -74.1 | 7 | 26 | -- | -- | * | * | NM | NM |
| Nebraska..... | NM | NM | -- | NM | NM | -- | -- | * | * | -- | -- |
| North Dakota..... | 5 | 8 | -43.3 | 5 | 6 | -- | -- | -- | -- | * | 3 |
| South Dakota..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 7,690 | 8,129 | -5.4 | 6,214 | 6,468 | 1,158 | 1,488 | 2 | 2 | 316 | 172 |
| Delaware..... | 71 | 285 | -75.1 | NM | NM | 41 | 242 | -- | -- | 9 | 6 |
| District of Columbia..... | 15 | 56 | -73.1 | -- | -- | 15 | 56 | -- | -- | -- | -- |
| Florida..... | 5,676 | 5,417 | 4.8 | 5,371 | 5,185 | 209 | 205 | -- | -- | 96 | 27 |
| Georgia..... | 97 | 67 | 44.7 | 45 | 10 | NM | NM | 2 | * | 49 | 56 |
| Maryland..... | 863 | 885 | -2.5 | NM | NM | 858 | 877 | * | * | NM | NM |
| North Carolina..... | 102 | 69 | 47.4 | 32 | 22 | NM | NM | NM | NM | 69 | 46 |
| South Carolina..... | 59 | 50 | 18.9 | 17 | 26 | -- | -- | NM | NM | 43 | 24 |
| Virginia..... | 788 | 1,273 | -38.1 | 706 | 1,156 | 33 | 104 | NM | NM | 48 | 12 |
| West Virginia..... | 20 | 27 | -26.0 | 18 | 24 | * | 3 | -- | -- | 2 | * |
| East South Central..... | 404 | 557 | -27.5 | 352 | 533 | 3 | 4 | NM | NM | 49 | 20 |
| Alabama..... | 47 | 48 | -2.6 | 16 | 34 | NM | NM | -- | -- | 31 | 13 |
| Kentucky..... | 11 | 18 | -41.8 | 8 | 14 | 3 | 4 | -- | -- | -- | -- |
| Mississippi..... | 314 | 470 | -33.2 | 299 | 467 | -- | -- | NM | NM | 16 | 3 |
| Tennessee..... | 32 | 20 | 57.7 | 29 | 17 | -- | -- | -- | -- | 3 | 3 |
| West South Central..... | 410 | 174 | 135.0 | 354 | 104 | 6 | 26 | * | * | 49 | 44 |
| Arkansas..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | 3 | 3 |
| Louisiana..... | 332 | 25 | NM | 322 | 18 | 1 | 2 | -- | -- | 10 | 5 |
| Oklahoma..... | 5 | 6 | -15.5 | 1 | 1 | -- | -- | -- | * | 4 | 5 |
| Texas..... | 45 | 62 | -27.3 | 6 | 6 | 6 | 24 | * | * | 33 | 31 |
| Mountain..... | 32 | 33 | -3.0 | 27 | 29 | 4 | 1 | NM | NM | NM | NM |
| Arizona..... | 8 | 10 | -21.2 | 8 | 9 | -- | -- | NM | NM | NM | NM |
| Colorado..... | NM | NM | -- | NM | NM | NM | NM | * | -- | NM | NM |
| Idaho..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Montana..... | 3 | 1 | 169.4 | NM | NM | 3 | 1 | -- | -- | -- | -- |
| Nevada..... | 3 | 2 | 68.7 | 3 | 2 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 4 | 3 | 53.4 | 3 | 2 | NM | NM | -- | -- | NM | NM |
| Utah..... | 6 | 6 | -3.9 | 6 | 6 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 5 | 8 | -41.0 | 4 | 8 | -- | -- | -- | -- | * | 1 |
| Pacific Contiguous..... | 24 | 188 | -87.4 | 18 | 16 | 3 | 30 | NM | NM | NM | NM |
| California..... | 12 | 181 | -93.6 | 9 | 10 | 2 | 29 | * | * | NM | NM |
| Oregon..... | 3 | 5 | -44.0 | 3 | 5 | -- | -- | NM | NM | -- | -- |
| Washington..... | NM | NM | -- | 6 | 1 | 1 | * | -- | -- | NM | NM |
| Pacific Noncontiguous.. | 1,419 | 1,360 | 4.4 | 1,174 | 1,099 | 207 | 232 | 2 | 2 | 37 | 26 |
| Alaska..... | 80 | 125 | -36.5 | 70 | 109 | * | 1 | 2 | 2 | 8 | 13 |
| Hawaii..... | 1,340 | 1,234 | 8.5 | 1,104 | 990 | 207 | 231 | -- | -- | 29 | 13 |
| U.S. Total..... | 15,725 | 18,588 | -15.4 | 10,155 | 11,263 | 4,855 | 6,663 | 79 | 99 | 636 | 563 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.6.B. Consumption of Petroleum Liquids for Electricity Generation by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|-----------------------|---------------|-----------------------------|---------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 15,671 | 16,854 | -7.0 | 2,726 | 2,877 | 11,354 | 12,486 | 527 | 477 | 1,064 | 1,014 |
| Connecticut..... | 2,285 | 3,008 | -24.0 | NM | NM | 2,222 | 2,935 | NM | NM | NM | NM |
| Maine..... | 1,901 | 2,456 | -22.6 | -- | -- | 1,158 | 1,763 | NM | NM | 733 | 687 |
| Massachusetts..... | 8,920 | 8,583 | 3.9 | 377 | 336 | 7,965 | 7,762 | 323 | 249 | NM | NM |
| New Hampshire..... | 2,406 | 2,600 | -7.4 | 2,319 | 2,471 | NM | NM | NM | NM | NM | NM |
| Rhode Island..... | NM | NM | -- | NM | NM | NM | NM | NM | NM | NM | NM |
| Vermont..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 34,087 | 31,613 | 7.8 | 10,712 | 11,617 | 22,741 | 19,105 | 170 | 122 | 463 | 769 |
| New Jersey..... | 2,206 | 2,875 | -23.3 | 174 | 378 | 1,913 | 2,042 | NM | NM | 116 | 450 |
| New York..... | 26,456 | 22,443 | 17.9 | 10,508 | 11,202 | 15,563 | 10,938 | 161 | 107 | 225 | 195 |
| Pennsylvania..... | 5,425 | 6,296 | -13.8 | 31 | 37 | 5,265 | 6,124 | NM | NM | NM | NM |
| East North Central..... | 3,627 | 4,702 | -22.8 | 2,135 | 2,421 | 1,309 | 2,051 | NM | NM | 180 | 203 |
| Illinois..... | 1,276 | 2,106 | -39.4 | 41 | 80 | 1,233 | 2,020 | NM | NM | NM | NM |
| Indiana..... | 216 | 333 | -35.2 | 197 | 259 | * | 6 | 1 | 3 | 17 | 66 |
| Michigan..... | 1,380 | 1,340 | 3.0 | 1,325 | 1,317 | NM | NM | NM | NM | NM | NM |
| Ohio..... | 511 | 692 | -26.2 | 446 | 650 | 51 | 21 | NM | NM | 14 | 19 |
| Wisconsin..... | 245 | 230 | 6.5 | 125 | 115 | 25 | 4 | * | 14 | NM | NM |
| West North Central..... | 1,835 | 2,130 | -13.8 | 1,794 | 2,054 | 13 | 23 | 22 | 25 | NM | NM |
| Iowa..... | 108 | 136 | -20.3 | 104 | 128 | NM | NM | NM | NM | NM | NM |
| Kansas..... | 1,395 | 1,438 | -3.0 | 1,395 | 1,437 | -- | -- | -- | -- | NM | NM |
| Minnesota..... | 114 | 182 | -37.5 | 81 | 140 | 9 | 17 | 20 | 18 | NM | NM |
| Missouri..... | 114 | 194 | -41.4 | 113 | 192 | -- | -- | NM | NM | NM | NM |
| Nebraska..... | 32 | 78 | -59.3 | 31 | 74 | -- | -- | 1 | 5 | -- | -- |
| North Dakota..... | 42 | 75 | -44.7 | 40 | 58 | -- | -- | -- | -- | 2 | 17 |
| South Dakota..... | 31 | 25 | 21.1 | 31 | 25 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 50,751 | 54,769 | -7.3 | 40,090 | 42,058 | 8,554 | 11,033 | 8 | 184 | 2,100 | 1,495 |
| Delaware..... | 1,277 | 2,142 | -40.4 | 188 | 158 | 852 | 1,834 | -- | -- | 237 | 150 |
| District of Columbia..... | 112 | 198 | -43.4 | -- | -- | 112 | 198 | -- | -- | -- | -- |
| Florida..... | 33,829 | 35,190 | -3.9 | 31,998 | 33,074 | 1,276 | 1,913 | -- | -- | 555 | 203 |
| Georgia..... | 596 | 971 | -38.7 | 251 | 385 | NM | NM | 4 | 3 | 336 | 434 |
| Maryland..... | 5,668 | 5,311 | 6.7 | NM | NM | 5,620 | 5,245 | NM | NM | NM | NM |
| North Carolina..... | 914 | 1,472 | -37.9 | 401 | 891 | 30 | 199 | NM | NM | 483 | 380 |
| South Carolina..... | 607 | 637 | -4.8 | 311 | 382 | 22 | 35 | NM | NM | 273 | 217 |
| Virginia..... | 7,413 | 8,524 | -13.0 | 6,606 | 6,853 | 603 | 1,406 | NM | NM | 201 | 93 |
| West Virginia..... | 335 | 323 | 3.8 | 292 | 255 | 35 | 54 | -- | -- | 9 | 14 |
| East South Central..... | 4,124 | 3,097 | 33.2 | 3,741 | 2,690 | 58 | 76 | NM | NM | 324 | 326 |
| Alabama..... | 372 | 554 | -32.9 | 133 | 307 | 5 | 11 | -- | -- | 234 | 237 |
| Kentucky..... | 169 | 253 | -33.3 | 116 | 192 | 53 | 61 | -- | -- | -- | -- |
| Mississippi..... | 3,363 | 1,682 | 100.0 | 3,298 | 1,636 | -- | -- | NM | NM | 64 | 41 |
| Tennessee..... | 220 | 608 | -63.7 | 194 | 556 | -- | 4 | -- | -- | 26 | 48 |
| West South Central..... | 2,967 | 5,259 | -43.6 | 2,391 | 3,774 | 183 | 1,130 | NM | NM | 389 | 351 |
| Arkansas..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | 43 | 24 |
| Louisiana..... | 2,181 | 1,598 | 36.4 | 2,079 | 1,502 | 17 | 27 | -- | -- | 85 | 70 |
| Oklahoma..... | 59 | 234 | -74.7 | 24 | 181 | -- | -- | 1 | 1 | 35 | 52 |
| Texas..... | 491 | 3,057 | -84.0 | 95 | 1,745 | 167 | 1,104 | NM | NM | 227 | 205 |
| Mountain..... | 421 | 357 | 18.2 | 384 | 296 | 27 | 35 | NM | NM | NM | NM |
| Arizona..... | 51 | 58 | -11.7 | 51 | 56 | -- | -- | NM | NM | NM | NM |
| Colorado..... | 30 | 59 | -50.3 | 25 | 29 | NM | NM | * | -- | NM | NM |
| Idaho..... | NM | NM | -- | NM | NM | -- | -- | -- | -- | -- | -- |
| Montana..... | 22 | 20 | 9.1 | NM | NM | 21 | 17 | -- | -- | -- | -- |
| Nevada..... | 159 | 30 | 437.3 | 159 | 30 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 41 | 57 | -27.5 | 33 | 51 | NM | NM | -- | -- | NM | NM |
| Utah..... | 55 | 71 | -22.7 | 54 | 70 | NM | NM | -- | -- | -- | -- |
| Wyoming..... | 64 | 62 | 3.8 | 61 | 57 | -- | -- | -- | -- | NM | NM |
| Pacific Contiguous..... | 393 | 1,081 | -63.7 | 137 | 188 | 133 | 99 | NM | NM | 122 | 793 |
| California..... | 270 | 916 | -70.6 | 85 | 83 | 118 | 89 | 1 | 1 | 66 | 742 |
| Oregon..... | 42 | 98 | -56.8 | 37 | 95 | -- | -- | NM | NM | NM | NM |
| Washington..... | 81 | 67 | 20.5 | 15 | 10 | 15 | 9 | -- | * | NM | NM |
| Pacific Noncontiguous.. | 10,467 | 10,016 | 4.5 | 8,553 | 8,214 | 1,613 | 1,480 | 16 | 19 | 285 | 303 |
| Alaska..... | 819 | 1,069 | -23.4 | 728 | 922 | 4 | 8 | 16 | 19 | 72 | 121 |
| Hawaii..... | 9,648 | 8,947 | 7.8 | 7,826 | 7,292 | 1,609 | 1,472 | -- | -- | 214 | 182 |
| U.S. Total..... | 124,344 | 129,877 | -4.3 | 72,663 | 76,188 | 45,986 | 47,517 | 752 | 865 | 4,943 | 5,307 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.7.A. Consumption of Petroleum Coke for Electricity Generation by State by Sector, August 2004 and 2003

(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------|----------------|-----------------------|------------|-----------------------------|------------|--------------------------------|----------|--------------------------------|-----------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 32 | 27 | 17.7 | -- | -- | 23 | 23 | -- | -- | 8 | 4 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 5 | 4 | 12.7 | -- | -- | 5 | 4 | -- | -- | -- | -- |
| Pennsylvania..... | 27 | 22 | 18.7 | -- | -- | 18 | 18 | -- | -- | 8 | 4 |
| East North Central..... | 17 | 31 | -45.6 | 11 | 24 | -- | -- | -- | -- | 6 | 7 |
| Illinois..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Indiana..... | 7 | 17 | -61.4 | 7 | 17 | -- | -- | -- | -- | -- | -- |
| Michigan..... | -- | 1 | -- | -- | 1 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 10 | 12 | -16.8 | 4 | 5 | -- | -- | -- | -- | 6 | 7 |
| West North Central..... | 36 | 27 | 30.2 | 36 | 27 | -- | -- | -- | * | -- | -- |
| Iowa..... | -- | * | -- | -- | -- | -- | -- | -- | * | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 29 | 25 | 13.6 | 29 | 25 | -- | -- | -- | -- | -- | -- |
| Missouri..... | 7 | 2 | 301.6 | 7 | 2 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 257 | 214 | 20.0 | 242 | 196 | -- | -- | -- | -- | 15 | 18 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 242 | 196 | 23.1 | 242 | 196 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 15 | 18 | -15.2 | -- | -- | -- | -- | -- | -- | 15 | 18 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 101 | 133 | -24.0 | -- | -- | 101 | 133 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 101 | 133 | -24.0 | -- | -- | 101 | 133 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 124 | 93 | 33.7 | -- | -- | 108 | 80 | -- | -- | 16 | 13 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 60 | 62 | -3.8 | -- | -- | 60 | 62 | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 64 | 31 | 109.4 | -- | -- | 48 | 17 | -- | -- | 16 | 13 |
| Mountain..... | 23 | 18 | 26.0 | -- | -- | 23 | 18 | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 23 | 18 | 26.0 | -- | -- | 23 | 18 | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 96 | 67 | 43.1 | -- | -- | 72 | 52 | -- | -- | 24 | 15 |
| California..... | 96 | 67 | 43.1 | -- | -- | 72 | 52 | -- | -- | 24 | 15 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 686 | 611 | 12.2 | 288 | 248 | 327 | 305 | -- | * | 70 | 58 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 2.7.B. Consumption of Petroleum Coke for Electricity Generation by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|--------------|----------------|-----------------------|--------------|-----------------------------|--------------|--------------------------------|----------|--------------------------------|------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 208 | 175 | 18.8 | -- | -- | 150 | 130 | -- | -- | 58 | 45 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 32 | 23 | 38.8 | -- | -- | 32 | 23 | -- | -- | -- | -- |
| Pennsylvania..... | 176 | 152 | 15.8 | -- | -- | 118 | 107 | -- | -- | 58 | 45 |
| East North Central..... | 181 | 164 | 10.3 | 123 | 106 | -- | -- | -- | -- | 57 | 57 |
| Illinois..... | NM | NM | -- | -- | -- | -- | -- | -- | -- | NM | NM |
| Indiana..... | 88 | 56 | 56.5 | 88 | 56 | -- | -- | -- | -- | -- | -- |
| Michigan..... | * | 10 | -98.3 | * | 10 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 88 | 93 | -4.7 | 35 | 40 | -- | -- | -- | -- | 53 | 53 |
| West North Central..... | 169 | 183 | -7.6 | 167 | 181 | -- | -- | 2 | 2 | -- | -- |
| Iowa..... | 2 | 2 | 6.8 | -- | -- | -- | -- | 2 | 2 | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 160 | 164 | -2.7 | 160 | 164 | -- | -- | -- | -- | -- | -- |
| Missouri..... | 7 | 17 | -56.5 | 7 | 17 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 1,740 | 1,501 | 15.9 | 1,563 | 1,311 | -- | -- | -- | -- | 177 | 191 |
| Delaware..... | 34 | 36 | -4.2 | -- | -- | -- | -- | -- | -- | 34 | 36 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1,563 | 1,311 | 19.2 | 1,563 | 1,311 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 143 | 155 | -7.7 | -- | -- | -- | -- | -- | -- | 143 | 155 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 984 | 606 | 62.4 | -- | 8 | 984 | 598 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 984 | 606 | 62.4 | -- | 8 | 984 | 598 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 856 | 610 | 40.4 | -- | 23 | 798 | 496 | -- | -- | 59 | 91 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 471 | 421 | 11.8 | -- | -- | 471 | 421 | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 385 | 189 | 104.0 | -- | 23 | 327 | 75 | -- | -- | 59 | 91 |
| Mountain..... | 179 | 146 | 22.6 | -- | -- | 179 | 146 | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 179 | 146 | 22.6 | -- | -- | 179 | 146 | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 545 | 550 | -8 | -- | -- | 448 | 440 | -- | -- | 98 | 110 |
| California..... | 545 | 550 | -8 | -- | -- | 448 | 440 | -- | -- | 98 | 110 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 4,862 | 3,935 | 23.6 | 1,853 | 1,629 | 2,558 | 1,810 | 2 | 2 | 449 | 494 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State by Sector, August 2004 and 2003
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|-----------------------|----------------|-----------------------------|----------------|--------------------------------|--------------|--------------------------------|---------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 38,275 | 35,889 | 6.6 | 187 | 467 | 36,041 | 33,237 | 399 | 268 | 1,647 | 1,916 |
| Connecticut..... | 7,064 | 4,803 | 47.1 | -- | -- | 6,851 | 4,515 | NM | NM | NM | NM |
| Maine..... | 7,642 | 7,093 | 7.7 | -- | -- | 6,440 | 5,760 | NM | NM | 1,203 | 1,333 |
| Massachusetts..... | 16,313 | 19,494 | -16.3 | 184 | 464 | 15,571 | 18,566 | 363 | 218 | NM | NM |
| New Hampshire..... | 3,343 | 90 | NM | NM | NM | 3,276 | -- | -- | -- | NM | NM |
| Rhode Island..... | 3,910 | 4,404 | -11.2 | -- | -- | 3,904 | 4,397 | NM | NM | -- | -- |
| Vermont..... | 3 | 3 | -2.3 | 3 | 3 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 54,264 | 64,026 | -15.2 | 9,329 | 12,728 | 41,861 | 48,017 | 449 | 558 | 2,624 | 2,723 |
| New Jersey..... | 16,604 | 17,219 | -3.6 | NM | NM | 15,241 | 15,869 | NM | NM | 1,151 | 1,051 |
| New York..... | 28,384 | 37,294 | -23.9 | 9,264 | 12,626 | 18,011 | 23,353 | NM | NM | 957 | 1,183 |
| Pennsylvania..... | 9,276 | 9,514 | -2.5 | NM | NM | 8,609 | 8,795 | NM | NM | NM | NM |
| East North Central..... | 21,215 | 42,148 | -49.7 | 2,967 | 11,075 | 16,455 | 29,217 | 583 | 262 | 1,210 | 1,595 |
| Illinois..... | 4,205 | 11,179 | -62.4 | NM | NM | 3,037 | 9,565 | 489 | 175 | NM | NM |
| Indiana..... | 2,366 | 5,090 | -53.5 | 884 | 2,046 | 1,229 | 2,794 | NM | NM | NM | NM |
| Michigan..... | 11,375 | 15,111 | -24.7 | 1,017 | 3,622 | 10,126 | 11,234 | NM | NM | NM | NM |
| Ohio..... | 1,609 | 6,763 | -76.2 | 332 | 1,769 | 1,217 | 4,910 | NM | NM | NM | NM |
| Wisconsin..... | 1,660 | 4,006 | -58.6 | 569 | 2,895 | 847 | 714 | 74 | 56 | NM | NM |
| West North Central..... | 6,668 | 17,820 | -62.6 | 5,269 | 14,421 | 922 | 2,536 | 105 | 307 | NM | NM |
| Iowa..... | 601 | 1,472 | -59.2 | 587 | 1,049 | -- | -- | NM | NM | -- | 390 |
| Kansas..... | 1,647 | 4,088 | -59.7 | 1,615 | 4,054 | -- | -- | NM | NM | NM | NM |
| Minnesota..... | 1,160 | 4,788 | -75.8 | 512 | 3,525 | NM | NM | 72 | 250 | 332 | 122 |
| Missouri..... | 2,649 | 5,584 | -52.6 | 1,963 | 3,923 | 678 | 1,645 | 1 | 6 | NM | NM |
| Nebraska..... | 389 | 1,399 | -72.2 | 372 | 1,384 | NM | NM | 13 | 10 | NM | NM |
| North Dakota..... | 2 | 3 | -21.5 | NM | NM | -- | -- | -- | -- | 2 | 3 |
| South Dakota..... | 220 | 486 | -54.7 | 220 | 486 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 85,843 | 84,482 | 1.6 | 65,620 | 57,371 | 18,070 | 25,059 | NM | NM | 2,069 | 1,838 |
| Delaware..... | 1,035 | 2,041 | -49.3 | NM | NM | 1,017 | 2,009 | -- | -- | 1 | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 60,100 | 52,413 | 14.7 | 52,073 | 44,118 | 7,167 | 7,313 | NM | NM | 778 | 934 |
| Georgia..... | 7,964 | 8,955 | -11.1 | 2,454 | 2,723 | 4,959 | 5,929 | -- | -- | 552 | 302 |
| Maryland..... | 986 | 4,253 | -76.8 | NM | NM | 933 | 4,180 | -- | -- | NM | NM |
| North Carolina..... | 3,458 | 5,052 | -31.5 | 2,806 | 3,133 | 639 | 1,890 | * | 4 | NM | NM |
| South Carolina..... | 4,259 | 4,279 | -5 | 3,448 | 2,914 | 802 | 1,356 | NM | NM | 7 | 7 |
| Virginia..... | 7,660 | 6,690 | 14.5 | 4,819 | 4,445 | 2,473 | 1,784 | -- | 160 | 368 | 300 |
| West Virginia..... | 381 | 799 | -52.4 | 2 | 4 | 80 | 597 | -- | -- | NM | NM |
| East South Central..... | 30,517 | 31,783 | -4.0 | 14,268 | 14,111 | 13,775 | 15,048 | 117 | 47 | 2,356 | 2,576 |
| Alabama..... | 16,728 | 18,869 | -11.3 | 7,209 | 7,965 | 8,000 | 9,439 | -- | -- | 1,518 | 1,465 |
| Kentucky..... | 685 | 1,162 | -41.1 | 509 | 743 | 17 | 216 | -- | -- | NM | NM |
| Mississippi..... | 12,620 | 11,070 | 14.0 | 6,407 | 5,001 | 5,694 | 5,394 | 33 | 16 | NM | NM |
| Tennessee..... | 483 | 682 | -29.1 | 142 | 403 | 64 | -- | 84 | 31 | NM | NM |
| West South Central..... | 251,583 | 268,517 | -6.3 | 66,023 | 96,856 | 139,180 | 133,152 | 606 | 519 | 45,774 | 37,990 |
| Arkansas..... | 5,572 | 3,623 | 53.8 | 457 | 1,363 | 5,021 | 2,026 | NM | NM | NM | NM |
| Louisiana..... | 43,200 | 41,525 | 4.0 | 18,072 | 18,199 | 7,840 | 10,515 | 60 | 38 | 17,229 | 12,773 |
| Oklahoma..... | 24,972 | 33,077 | -24.5 | 16,514 | 21,071 | 7,970 | 11,498 | NM | NM | 458 | 476 |
| Texas..... | 177,839 | 190,292 | -6.5 | 30,981 | 56,222 | 118,348 | 109,113 | 514 | 447 | 27,996 | 24,510 |
| Mountain..... | 52,902 | 52,324 | 1.1 | 19,080 | 23,431 | 33,025 | 28,033 | NM | NM | NM | NM |
| Arizona..... | 21,582 | 21,003 | 2.8 | 5,951 | 5,708 | 15,620 | 15,281 | NM | NM | NM | NM |
| Colorado..... | 9,183 | 9,334 | -1.6 | 3,185 | 3,860 | 5,808 | 5,308 | 134 | 98 | NM | NM |
| Idaho..... | 1,235 | 346 | 256.9 | NM | NM | 1,116 | 161 | -- | -- | NM | NM |
| Montana..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Nevada..... | 14,836 | 13,429 | 10.5 | 4,795 | 6,643 | 10,041 | 6,786 | -- | -- | -- | -- |
| New Mexico..... | 3,789 | 5,308 | -28.6 | 3,204 | 4,757 | NM | NM | NM | NM | NM | NM |
| Utah..... | 1,936 | 2,459 | -21.3 | 1,735 | 2,097 | -- | 127 | NM | NM | NM | NM |
| Wyoming..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Pacific Contiguous..... | 105,178 | 95,380 | 10.3 | 15,602 | 16,892 | 76,641 | 69,300 | 1,319 | 1,202 | 11,616 | 7,986 |
| California..... | 86,847 | 79,605 | 9.1 | 11,294 | 11,733 | 63,422 | 59,086 | 1,300 | 1,171 | 10,831 | 7,614 |
| Oregon..... | 10,169 | 9,326 | 9.0 | 2,412 | 2,797 | 6,985 | 6,214 | NM | NM | 766 | 307 |
| Washington..... | 8,163 | 6,449 | 26.6 | 1,896 | 2,362 | 6,234 | 4,000 | NM | NM | 19 | 65 |
| Pacific Noncontiguous.. | 3,059 | 4,151 | -26.3 | 2,679 | 3,108 | -- | -- | -- | -- | NM | NM |
| Alaska..... | 3,059 | 4,151 | -26.3 | 2,679 | 3,108 | -- | -- | -- | -- | NM | NM |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 649,504 | 696,521 | -6.8 | 201,025 | 250,461 | 375,970 | 383,600 | 3,866 | 3,548 | 68,643 | 58,912 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Table 2.8.B. Consumption of Natural Gas for Electricity Generation by State by Sector, Year-to-Date through August 2004 and 2003
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------------|----------------|-----------------------|------------------|-----------------------------|------------------|--------------------------------|---------------|--------------------------------|----------------|
| | | | | Electric Utilities | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 240,532 | 209,920 | 14.6 | 1,001 | 953 | 224,839 | 193,342 | 2,584 | 1,708 | 12,108 | 13,917 |
| Connecticut..... | 40,499 | 27,838 | 45.5 | -- | -- | 39,111 | 26,362 | NM | NM | 1,189 | 1,265 |
| Maine..... | 52,776 | 47,229 | 11.7 | -- | -- | 43,568 | 36,190 | NM | NM | 9,208 | 11,039 |
| Massachusetts..... | 114,624 | 108,048 | 6.1 | 962 | 937 | 110,039 | 104,503 | 2,347 | 1,457 | 1,276 | 1,152 |
| New Hampshire..... | 7,213 | 463 | NM | NM | NM | 6,778 | -- | -- | -- | NM | NM |
| Rhode Island..... | 25,382 | 26,327 | -3.6 | -- | -- | 25,344 | 26,287 | NM | NM | -- | -- |
| Vermont..... | 38 | 15 | 153.3 | 38 | 15 | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 311,767 | 289,755 | 7.6 | 47,786 | 58,559 | 244,737 | 211,199 | 3,494 | 3,295 | 15,750 | 16,701 |
| New Jersey..... | 95,517 | 82,060 | 16.4 | 362 | 263 | 87,786 | 73,805 | 978 | 1,040 | 6,392 | 6,952 |
| New York..... | 160,433 | 176,414 | -9.1 | 47,412 | 58,277 | 105,674 | 111,128 | 1,320 | 1,112 | 6,027 | 5,898 |
| Pennsylvania..... | 55,818 | 31,281 | 78.4 | NM | NM | 51,277 | 26,266 | 1,196 | 1,143 | 3,331 | 3,851 |
| East North Central..... | 153,908 | 154,650 | -5 | 25,730 | 38,680 | 115,482 | 104,146 | 3,809 | 1,479 | 8,887 | 10,344 |
| Illinois..... | 26,909 | 33,339 | -19.3 | 1,324 | 2,370 | 19,166 | 26,075 | 3,058 | 895 | 3,362 | 4,000 |
| Indiana..... | 19,351 | 20,445 | -5.3 | 7,923 | 9,471 | 9,524 | 9,273 | 56 | 40 | 1,848 | 1,662 |
| Michigan..... | 82,275 | 70,003 | 17.5 | 6,292 | 11,715 | 74,057 | 56,005 | NM | NM | 1,864 | 2,114 |
| Ohio..... | 10,192 | 12,856 | -20.7 | 3,204 | 3,745 | 6,569 | 8,641 | NM | NM | NM | NM |
| Wisconsin..... | 15,180 | 18,007 | -15.7 | 6,987 | 11,380 | 6,166 | 4,153 | 629 | 289 | 1,398 | 2,185 |
| West North Central..... | 46,827 | 58,743 | -20.3 | 34,687 | 43,176 | 8,087 | 9,459 | 1,026 | 1,583 | 3,027 | 4,525 |
| Iowa..... | 4,335 | 5,496 | -21.1 | 3,528 | 3,273 | -- | -- | NM | NM | NM | NM |
| Kansas..... | 8,139 | 13,773 | -40.9 | 7,933 | 12,598 | -- | -- | NM | NM | NM | NM |
| Minnesota..... | 13,362 | 14,973 | -10.8 | 7,535 | 8,449 | 2,996 | 3,986 | 734 | 1,281 | 2,096 | 1,256 |
| Missouri..... | 17,056 | 18,965 | -10.1 | 11,897 | 13,411 | 5,086 | 5,467 | 24 | 34 | NM | NM |
| Nebraska..... | 2,930 | 4,179 | -29.9 | 2,820 | 4,104 | NM | NM | 87 | 50 | NM | NM |
| North Dakota..... | 31 | 15 | 98.4 | NM | NM | -- | -- | -- | -- | 30 | 15 |
| South Dakota..... | 974 | 1,341 | -27.4 | 974 | 1,341 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 531,794 | 465,974 | 14.1 | 402,104 | 341,661 | 115,214 | 112,505 | 513 | 903 | 13,962 | 10,905 |
| Delaware..... | 8,057 | 8,116 | -7 | NM | NM | 7,842 | 7,964 | -- | -- | 102 | * |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 379,418 | 346,109 | 9.6 | 336,788 | 299,906 | 36,643 | 41,468 | 497 | 291 | 5,489 | 4,444 |
| Georgia..... | 47,914 | 32,532 | 47.3 | 14,196 | 7,480 | 30,166 | 22,266 | -- | -- | 3,551 | 2,785 |
| Maryland..... | 6,450 | 14,161 | -54.5 | NM | NM | 6,102 | 13,789 | -- | -- | NM | NM |
| North Carolina..... | 26,281 | 22,040 | 19.2 | 13,978 | 9,588 | 12,218 | 12,256 | 1 | 21 | NM | NM |
| South Carolina..... | 20,056 | 14,896 | 34.6 | 14,663 | 11,973 | 5,325 | 2,831 | NM | NM | NM | NM |
| Virginia..... | 40,093 | 25,721 | 55.9 | 22,330 | 12,526 | 15,838 | 10,518 | -- | 575 | 1,926 | 2,102 |
| West Virginia..... | 3,525 | 2,399 | 46.9 | 30 | 28 | 1,079 | 1,414 | -- | -- | 2,415 | 956 |
| East South Central..... | 183,664 | 165,496 | 11.0 | 94,309 | 108,728 | 71,269 | 38,279 | 789 | 354 | 17,297 | 18,136 |
| Alabama..... | 101,764 | 77,632 | 31.1 | 47,659 | 46,083 | 42,746 | 21,251 | -- | -- | 11,359 | 10,298 |
| Kentucky..... | 4,787 | 4,239 | 12.9 | 3,443 | 2,483 | 193 | 543 | -- | 98 | 1,151 | 1,114 |
| Mississippi..... | 74,106 | 79,460 | -6.7 | 42,255 | 57,674 | 28,134 | 16,296 | 239 | 96 | 3,478 | 5,393 |
| Tennessee..... | 3,007 | 4,166 | -27.8 | 952 | 2,487 | NM | NM | 550 | 160 | 1,308 | 1,331 |
| West South Central..... | 1,521,653 | 1,572,534 | -3.2 | 421,288 | 501,929 | 777,714 | 772,804 | 3,545 | 6,959 | 319,105 | 290,841 |
| Arkansas..... | 26,031 | 21,036 | 23.7 | 2,978 | 4,773 | 22,184 | 14,133 | NM | NM | 851 | 2,110 |
| Louisiana..... | 276,782 | 262,359 | 5.5 | 95,880 | 110,450 | 47,771 | 44,400 | 138 | 4,069 | 132,993 | 103,440 |
| Oklahoma..... | 149,066 | 142,443 | 4.6 | 94,838 | 105,144 | 50,645 | 33,839 | NM | NM | 3,456 | 3,274 |
| Texas..... | 1,069,775 | 1,146,695 | -6.7 | 227,592 | 281,562 | 657,115 | 680,431 | 3,262 | 2,684 | 181,805 | 182,017 |
| Mountain..... | 304,074 | 260,801 | 16.6 | 119,957 | 128,844 | 178,855 | 125,232 | 1,054 | 1,036 | 4,209 | 5,690 |
| Arizona..... | 125,954 | 94,379 | 33.5 | 36,356 | 29,498 | 89,527 | 64,791 | NM | NM | NM | NM |
| Colorado..... | 58,537 | 49,775 | 17.6 | 23,316 | 27,464 | 34,232 | 21,312 | 629 | 590 | NM | NM |
| Idaho..... | 3,967 | 2,452 | 61.8 | 435 | 707 | 2,983 | 822 | -- | -- | 548 | 923 |
| Montana..... | NM | NM | -- | NM | NM | NM | NM | -- | -- | NM | NM |
| Nevada..... | 78,369 | 70,707 | 10.8 | 29,094 | 35,822 | 49,275 | 34,885 | -- | -- | -- | -- |
| New Mexico..... | 25,547 | 26,503 | -3.6 | 21,781 | 22,724 | 2,032 | 2,094 | NM | NM | 1,501 | 1,420 |
| Utah..... | 9,222 | 13,167 | -30.0 | 7,939 | 11,284 | -- | 461 | NM | NM | NM | NM |
| Wyoming..... | 2,348 | 3,577 | -34.4 | 987 | 1,163 | 800 | 861 | -- | -- | NM | NM |
| Pacific Contiguous..... | 602,677 | 531,370 | 13.4 | 87,436 | 81,503 | 441,131 | 381,595 | 8,440 | 7,624 | 65,670 | 60,648 |
| California..... | 505,894 | 454,958 | 11.2 | 64,974 | 63,499 | 369,498 | 326,798 | 8,307 | 7,330 | 63,116 | 57,331 |
| Oregon..... | 56,403 | 45,481 | 24.0 | 10,838 | 8,432 | 43,164 | 34,374 | NM | NM | 2,362 | 2,634 |
| Washington..... | 40,380 | 30,931 | 30.6 | 11,624 | 9,572 | 28,469 | 20,423 | NM | NM | 193 | 683 |
| Pacific Noncontiguous.. | 29,010 | 30,454 | -4.7 | 23,846 | 23,446 | -- | -- | -- | -- | 5,164 | 7,007 |
| Alaska..... | 29,010 | 30,454 | -4.7 | 23,846 | 23,446 | -- | -- | -- | -- | 5,164 | 7,007 |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 3,925,906 | 3,739,697 | 5.0 | 1,258,145 | 1,327,480 | 2,177,328 | 1,948,561 | 25,254 | 24,942 | 465,178 | 438,713 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. • 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."

Chapter 3. Fossil-Fuel Stocks for Electricity Generation

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 1990 through August 2004

| Period | Electric Power Sector ¹ | | | Electric Utilities | | | Independent Power Producers | | |
|-------------------------|------------------------------------|---|--------------------------------|-----------------------------------|---|--------------------------------|-----------------------------------|---|--------------------------------|
| | Coal (Thousand Tons) ² | Petroleum Liquids (Thousand Barrels) ³ | Petroleum Coke (Thousand Tons) | Coal (Thousand Tons) ² | Petroleum Liquids (Thousand Barrels) ³ | Petroleum Coke (Thousand Tons) | Coal (Thousand Tons) ² | Petroleum Liquids (Thousand Barrels) ³ | Petroleum Coke (Thousand Tons) |
| 1990..... | 156,166 | 83,501 | 94 | 156,166 | 83,501 | 94 | -- | -- | -- |
| 1991..... | 157,876 | 74,993 | 70 | 157,876 | 74,993 | 70 | -- | -- | -- |
| 1992..... | 154,130 | 71,849 | 67 | 154,130 | 71,849 | 67 | -- | -- | -- |
| 1993..... | 111,341 | 62,445 | 89 | 111,341 | 62,445 | 89 | -- | -- | -- |
| 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 | | | | | | | | | |
| January..... | 139,400 | 54,293 | 798 | 114,160 | 32,146 | 323 | 25,240 | 22,147 | 475 |
| February..... | 143,151 | 51,794 | 912 | 117,236 | 30,993 | 340 | 25,915 | 20,801 | 572 |
| March..... | 146,443 | 48,087 | 1,082 | 120,400 | 28,210 | 390 | 26,043 | 19,878 | 693 |
| April..... | 153,375 | 46,965 | 1,144 | 124,658 | 28,314 | 418 | 28,717 | 18,650 | 725 |
| May..... | 155,313 | 47,303 | 1,149 | 126,637 | 29,134 | 348 | 28,676 | 18,169 | 801 |
| June..... | 152,134 | 49,162 | 1,206 | 123,590 | 29,911 | 314 | 28,543 | 19,251 | 892 |
| July..... | 142,634 | 44,883 | 1,208 | 115,972 | 28,130 | 227 | 26,662 | 16,753 | 980 |
| August..... | 137,130 | 43,855 | 1,393 | 111,923 | 28,327 | 307 | 25,207 | 15,527 | 1,086 |
| September..... | 135,962 | 40,577 | 1,508 | 110,993 | 25,814 | 358 | 24,969 | 14,763 | 1,150 |
| October..... | 140,800 | 41,495 | 1,667 | 115,168 | 26,544 | 422 | 25,633 | 14,951 | 1,245 |
| November..... | 144,608 | 43,198 | 1,714 | 118,674 | 27,867 | 344 | 25,934 | 15,332 | 1,370 |
| December..... | 141,714 | 43,935 | 1,711 | 116,952 | 29,601 | 328 | 24,761 | 14,334 | 1,383 |
| 2003 | | | | | | | | | |
| January..... | 135,771 | 36,302 | 350 | 113,149 | 25,345 | 287 | 22,622 | 10,956 | 63 |
| February..... | 128,828 | 35,184 | 306 | 105,537 | 24,889 | 228 | 23,291 | 10,295 | 78 |
| March..... | 131,162 | 40,810 | 315 | 107,941 | 24,913 | 244 | 23,222 | 15,897 | 71 |
| April..... | 138,895 | 38,088 | 1,519 | 113,077 | 27,337 | 348 | 25,818 | 10,751 | 1,171 |
| May..... | 143,884 | 41,830 | 1,702 | 115,634 | 27,583 | 369 | 28,250 | 14,247 | 1,333 |
| June..... | 142,325 | 39,873 | 1,675 | 115,375 | 26,865 | 395 | 26,950 | 13,008 | 1,280 |
| July..... | 132,964 | 41,599 | 1,672 | 108,393 | 27,339 | 365 | 24,571 | 14,259 | 1,306 |
| August..... | 125,725 | 40,529 | 1,638 | 101,549 | 26,781 | 362 | 24,175 | 13,748 | 1,276 |
| September..... | 122,425 | 45,304 | 1,601 | 99,741 | 27,384 | 383 | 22,684 | 17,921 | 1,218 |
| October..... | 126,002 | 47,045 | 1,514 | 104,350 | 27,375 | 286 | 21,652 | 19,670 | 1,228 |
| November..... | 126,200 | 43,475 | 1,585 | 104,055 | 29,051 | 393 | 22,145 | 14,423 | 1,192 |
| December..... | 121,371 | 45,216 | 1,455 | 100,434 | 27,165 | 376 | 20,937 | 18,050 | 1,078 |
| 2004 | | | | | | | | | |
| January..... | 114,537 | 42,625 | 1,286 | 96,062 | 28,677 | 289 | 18,475 | 13,948 | 996 |
| February..... | 110,145 | 44,149 | 1,235 | 92,262 | 29,274 | 343 | 17,884 | 14,874 | 892 |
| March..... | 113,310 | 42,664 | 1,254 | 94,801 | 28,546 | 497 | 18,509 | 14,118 | 757 |
| April..... | 121,440 | 41,897 | 1,026 | 101,583 | 27,675 | 435 | 19,856 | 14,222 | 590 |
| May..... | 124,232 | 43,046 | 987 | 102,654 | 27,168 | 436 | 21,578 | 15,879 | 551 |
| June ^R | 117,040 | 40,925 | 1,082 | 97,661 | 24,565 | 528 | 19,379 | 16,360 | 554 |
| July..... | 111,346 | 45,373 | 1,068 | 92,843 | 27,578 | 561 | 18,502 | 17,795 | 507 |
| August..... | 108,906 | 45,920 | 1,128 | 88,790 | 27,580 | 628 | 20,116 | 18,340 | 500 |

¹ The electric power sector comprises electricity only and combined-heat-and-power plants with the NAICS 22 category whose primary business is to sell electricity or electricity and heat to the public.

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

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

R = Revised.

Notes: • See Glossary for definitions. • Prior to 2002 values represent December end-of-month stocks. For 2002 forward values represent end-of-month stocks. • Values for 2003 and 2004 are estimates based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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.

Table 3.2. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by State, August 2004

| Census Division and State | Coal (Thousand tons) | | | Petroleum Liquids (Thousand Barrels) | | | Petroleum Coke (Thousand tons) | | |
|---|----------------------|----------------|----------------|--------------------------------------|---------------|----------------|--------------------------------|--------------|----------------|
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Percent Change |
| New England | 947 | 1,779 | -46.7 | 3,750 | 4,209 | -10.9 | -- | -- | -- |
| Connecticut, Maine, New Hampshire, Rhode Island, Vermont ¹ | 583 | 1,236 | -52.8 | 2,575 | 2,632 | -2.2 | -- | -- | -- |
| Massachusetts..... | 364 | 543 | -33.0 | 1,174 | 1,577 | -25.5 | -- | -- | -- |
| Middle Atlantic | 3,891 | 5,297 | -26.6 | 10,396 | 7,386 | 40.8 | 21 | 12 | 69.7 |
| New Jersey..... | 358 | 690 | -48.2 | 1,033 | 660 | 56.5 | -- | -- | -- |
| New York..... | 830 | 741 | 11.9 | 6,939 | 4,760 | 45.8 | 12 | 12 | 1.1 |
| Pennsylvania..... | 2,703 | 3,866 | -30.1 | 2,424 | 1,966 | 23.3 | 8 | -- | -- |
| East North Central | 31,663 | 34,849 | -9.1 | 3,890 | 3,021 | 28.8 | 51 | 65 | -21.2 |
| Illinois..... | 7,279 | 9,160 | -20.5 | 680 | 1,235 | -44.9 | -- | -- | -- |
| Indiana..... | 7,690 | 8,451 | -9.0 | 146 | 140 | 4.0 | 37 | 52 | -27.6 |
| Michigan..... | 6,225 | 7,361 | -15.4 | 822 | 972 | -15.5 | -- | -- | -- |
| Ohio..... | 6,244 | 5,833 | 7.0 | 468 | 432 | 8.2 | -- | -- | -- |
| Wisconsin..... | 4,225 | 4,044 | 4.5 | 1,775 | 242 | 632.6 | 14 | 14 | 3.0 |
| West North Central | 19,975 | 20,476 | -2.4 | 1,912 | 1,537 | 24.4 | 7 | 16 | -55.5 |
| Iowa..... | 3,863 | 3,724 | 3.7 | 113 | 95 | 18.8 | -- | -- | -- |
| Kansas..... | 3,285 | 4,412 | -25.5 | 487 | 502 | -3.1 | -- | -- | -- |
| Minnesota..... | 2,261 | 1,656 | 36.5 | 593 | 304 | 95.0 | 3 | 16 | -78.3 |
| Missouri..... | 6,467 | 6,321 | 2.3 | 366 | 308 | 18.8 | 4 | * | 10488.2 |
| Nebraska..... | 2,426 | 2,635 | -8.0 | 231 | 203 | 13.8 | -- | -- | -- |
| North Dakota, South Dakota ¹ | 1,674 | 1,728 | -3.1 | 123 | 125 | -1.6 | -- | -- | -- |
| South Atlantic | 15,346 | 20,166 | -23.9 | 15,551 | 15,577 | -2 | 570 | 281 | 102.5 |
| Delaware, District of Columbia, Maryland ¹ | 1,087 | 1,315 | -17.4 | 2,267 | 1,859 | 21.9 | -- | -- | -- |
| Florida..... | 2,865 | 3,948 | -27.4 | 7,981 | 9,122 | -12.5 | 570 | 281 | 102.5 |
| Georgia..... | 3,329 | 3,619 | -8.0 | 846 | 753 | 12.3 | -- | -- | -- |
| North Carolina..... | 2,522 | 4,427 | -43.0 | 1,031 | 799 | 29.0 | -- | -- | -- |
| South Carolina..... | 1,138 | 2,038 | -44.2 | 724 | 755 | -4.0 | -- | -- | -- |
| Virginia..... | 1,396 | 1,467 | -4.8 | 2,458 | 2,132 | 15.3 | -- | -- | -- |
| West Virginia..... | 3,009 | 3,352 | -10.2 | 244 | 157 | 55.1 | -- | -- | -- |
| East South Central | 9,252 | 11,496 | -19.5 | 2,638 | 1,700 | 55.2 | 411 | 1,211 | -66.1 |
| Alabama..... | 2,899 | 2,490 | 16.4 | 184 | 155 | 18.8 | -- | -- | -- |
| Kentucky..... | 4,069 | 5,646 | -27.9 | 207 | 205 | 1.0 | 411 | 1,211 | -66.1 |
| Mississippi..... | 596 | 747 | -20.2 | 1,424 | 687 | 107.5 | -- | -- | -- |
| Tennessee..... | 1,687 | 2,613 | -35.4 | 823 | 653 | 25.9 | -- | -- | -- |
| West South Central | 15,328 | 18,596 | -17.6 | 4,065 | 3,586 | 13.4 | 36 | 24 | 52.8 |
| Arkansas..... | 1,541 | 2,258 | -31.8 | 169 | 159 | 6.2 | -- | -- | -- |
| Louisiana..... | 1,793 | 3,173 | -43.5 | 1,452 | 1,493 | -2.7 | 19 | 24 | -17.9 |
| Oklahoma..... | 3,266 | 3,353 | -2.6 | 481 | 465 | 3.5 | -- | -- | -- |
| Texas..... | 8,729 | 9,812 | -11.0 | 1,962 | 1,468 | 33.6 | 17 | -- | -- |
| Mountain | 11,324 | 11,484 | -1.4 | 921 | 1,104 | -16.6 | 25 | 27 | -4.8 |
| Arizona..... | 2,423 | 2,471 | -1.9 | 398 | 421 | -5.3 | -- | -- | -- |
| Colorado..... | 2,398 | 2,234 | 7.4 | 147 | 161 | -8.6 | -- | -- | -- |
| Idaho..... | -- | -- | -- | * | * | -21.8 | -- | -- | -- |
| Montana, New Mexico ¹ | 1,381 | 1,483 | -6.9 | 84 | 86 | -1.9 | 25 | 27 | -4.8 |
| Nevada..... | 881 | 700 | 25.9 | 233 | 372 | -37.4 | -- | -- | -- |
| Utah..... | 2,584 | 2,914 | -11.3 | 34 | 40 | -13.8 | -- | -- | -- |
| Wyoming..... | 1,658 | 1,683 | -1.5 | 23 | 24 | -2.6 | -- | -- | -- |
| Pacific ² | 1,180 | 1,582 | -25.4 | 2,798 | 2,409 | 16.1 | 7 | 2 | 186.6 |
| California, Oregon, Washington, Hawaii, Alaska ¹ | 1,180 | 1,582 | -25.4 | 2,798 | 2,409 | 16.1 | 7 | 2 | 186.6 |
| U.S. Total | 108,906 | 125,725 | -13.4 | 45,920 | 40,529 | 13.3 | 1,128 | 1,638 | -31.1 |

¹ Individual 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.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 3.3. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Division, August 2004

| Census Division | Electric Power Sector | | | Electric Utilities | | Independent Power Producers | |
|---|-----------------------|----------------|----------------|--------------------|----------------|-----------------------------|---------------|
| | Aug 2004 | Aug 2003 | Percent Change | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| Coal (thousand tons) | | | | | | | |
| New England..... | 947 | 1,779 | -46.7 | 407 | 238 | 541 | 1,541 |
| Middle Atlantic..... | 3,891 | 5,297 | -26.6 | 832 | 1,236 | 3,059 | 4,062 |
| East North Central..... | 31,663 | 34,849 | -9.1 | 24,964 | 26,719 | 6,700 | 8,130 |
| West North Central..... | 19,975 | 20,476 | -2.4 | 19,700 | 20,476 | 275 | -- |
| South Atlantic..... | 15,346 | 20,166 | -23.9 | 12,932 | 17,120 | 2,414 | 3,045 |
| East South Central..... | 9,252 | 11,496 | -19.5 | 8,526 | 10,585 | 726 | 911 |
| West South Central..... | 15,328 | 18,596 | -17.6 | 10,272 | 14,047 | 5,056 | 4,549 |
| Mountain..... | 11,324 | 11,484 | -1.4 | 10,751 | 10,887 | 573 | 597 |
| Pacific Contiguous..... | 1,027 | 1,516 | -32.3 | 407 | 242 | 619 | 1,274 |
| Pacific Noncontiguous..... | 153 | 66 | 132.7 | -- | -- | 153 | 66 |
| U.S. Total..... | 108,906 | 125,725 | -13.4 | 88,790 | 101,549 | 20,116 | 24,175 |
| Petroleum Liquids (thousand barrels) | | | | | | | |
| New England..... | 3,750 | 4,209 | -10.9 | 843 | 706 | 2,907 | 3,503 |
| Middle Atlantic..... | 10,396 | 7,386 | 40.8 | 3,095 | 2,829 | 7,301 | 4,557 |
| East North Central..... | 3,890 | 3,021 | 28.8 | 1,701 | 1,694 | 2,189 | 1,327 |
| West North Central..... | 1,912 | 1,537 | 24.4 | 1,698 | 1,525 | 214 | 12 |
| South Atlantic..... | 15,551 | 15,577 | -2 | 11,496 | 12,260 | 4,054 | 3,316 |
| East South Central..... | 2,638 | 1,700 | 55.2 | 2,560 | 1,651 | 78 | 49 |
| West South Central..... | 4,065 | 3,586 | 13.4 | 3,246 | 3,237 | 819 | 349 |
| Mountain..... | 921 | 1,104 | -16.6 | 895 | 1,071 | 26 | 33 |
| Pacific Contiguous..... | 1,608 | 1,490 | 7.9 | 894 | 912 | 714 | 579 |
| Pacific Noncontiguous..... | 1,189 | 919 | 29.4 | 1,150 | 896 | 39 | 23 |
| U.S. Total..... | 45,920 | 40,529 | 13.3 | 27,580 | 26,781 | 18,340 | 13,748 |
| Petroleum Coke (thousand tons) | | | | | | | |
| New England..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 21 | 12 | 69.7 | -- | -- | 21 | 12 |
| East North Central..... | 51 | 65 | -21.2 | 51 | 65 | -- | -- |
| West North Central..... | 7 | 16 | -55.5 | 7 | 16 | -- | -- |
| South Atlantic..... | 570 | 281 | 102.5 | 570 | 281 | -- | -- |
| East South Central..... | 411 | 1,211 | -66.1 | -- | -- | 411 | 1,211 |
| West South Central..... | 36 | 24 | 52.8 | -- | -- | 36 | 24 |
| Mountain..... | 25 | 27 | -4.8 | -- | -- | 25 | 27 |
| Pacific Contiguous..... | 7 | 2 | 186.6 | -- | -- | 7 | 2 |
| Pacific Noncontiguous..... | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 1,128 | 1,638 | -31.1 | 628 | 362 | 500 | 1,276 |

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are estimated based on a sample; they are preliminary data - see Technical Notes for a discussion of the sample design for the Form EIA-906. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Chapter 4. Receipts and Cost of Fossil Fuels

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 1990 through July 2004

| Period | Coal ¹ | | | | | | Petroleum Liquids ² | | | | | |
|---|-------------------|----------------|-------------------------------|---------------|---------------|--|--------------------------------|----------------|-------------------------------|------------------|---------------|--|
| | Receipts | | Average Cost | | Avg. Sulfur % | Percentage of Consumption ³ | Receipts | | Average Cost | | Avg. Sulfur % | Percentage of Consumption ³ |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | | (billion Btu) | (1000 barrels) | (dollars/10 ⁶ Btu) | (dollars/barrel) | | |
| 1990..... | 16,464,431 | 786,627 | 1.45 | 30.45 | 1.4 | NA | 1,316,433 | 209,350 | 3.38 | 21.28 | 1.0 | NA |
| 1991..... | 15,980,106 | 769,923 | 1.45 | 30.02 | 1.3 | NA | 1,070,986 | 169,625 | 2.55 | 16.09 | 1.1 | NA |
| 1992..... | 16,131,752 | 775,963 | 1.41 | 29.36 | 1.3 | NA | 914,004 | 144,390 | 2.55 | 16.15 | 1.1 | NA |
| 1993..... | 15,867,904 | 769,152 | 1.39 | 28.58 | 1.2 | NA | 937,172 | 147,902 | 2.43 | 15.42 | 1.2 | NA |
| 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 |
| 2002⁴ | | | | | | | | | | | | |
| January..... | 1,555,069 | 76,217 | 1.26 | 25.74 | 1.0 | -- | 45,461 | 7,196 | 2.92 | 18.41 | .9 | -- |
| February..... | 1,451,620 | 70,778 | 1.28 | 26.25 | 1.0 | -- | 24,868 | 3,959 | 2.87 | 18.03 | .8 | -- |
| March..... | 1,465,479 | 71,641 | 1.25 | 25.64 | 1.0 | -- | 38,627 | 6,112 | 3.20 | 20.26 | .9 | -- |
| April..... | 1,353,000 | 66,610 | 1.25 | 25.45 | .9 | -- | 53,519 | 8,463 | 3.62 | 22.89 | .9 | -- |
| May..... | 1,369,699 | 67,485 | 1.26 | 25.50 | .9 | -- | 61,608 | 9,669 | 3.75 | 23.88 | 1.0 | -- |
| June..... | 1,385,377 | 68,519 | 1.26 | 25.48 | .9 | -- | 59,075 | 9,292 | 3.76 | 23.89 | .9 | -- |
| July..... | 1,579,244 | 77,918 | 1.25 | 25.28 | .9 | -- | 48,612 | 7,712 | 3.85 | 24.27 | .9 | -- |
| August..... | 1,620,236 | 79,348 | 1.26 | 25.73 | .9 | -- | 67,073 | 10,636 | 4.11 | 25.93 | .8 | -- |
| September..... | 1,538,242 | 75,281 | 1.26 | 25.81 | .9 | -- | 35,895 | 5,740 | 4.09 | 25.58 | .8 | -- |
| October..... | 1,627,318 | 79,939 | 1.25 | 25.49 | .9 | -- | 64,861 | 10,217 | 4.35 | 27.63 | .9 | -- |
| November..... | 1,573,690 | 77,306 | 1.25 | 25.46 | 1.0 | -- | 58,726 | 9,314 | 4.36 | 27.48 | .9 | -- |
| December..... | 1,463,013 | 73,245 | 1.22 | 24.38 | .9 | -- | 65,028 | 10,271 | 4.43 | 28.02 | .9 | -- |
| Total..... | 17,981,987 | 884,287 | 1.25 | 25.52 | .9 | -- | 623,354 | 98,581 | 3.87 | 24.45 | .9 | -- |
| 2003 | | | | | | | | | | | | |
| January..... | 1,498,234 | 73,639 | 1.25 | 25.49 | 1.1 | 80.0 | 59,370 | 9,455 | 5.02 | 31.53 | .8 | 48.1 |
| February..... | 1,394,627 | 67,515 | 1.28 | 26.36 | 1.1 | 84.8 | 111,041 | 17,640 | 5.15 | 32.40 | .6 | 105.4 |
| March..... | 1,475,578 | 72,055 | 1.29 | 26.33 | 1.0 | 90.5 | 90,111 | 14,337 | 5.72 | 35.97 | .9 | 112.9 |
| April..... | 1,411,502 | 68,263 | 1.31 | 27.11 | 1.0 | 93.8 | 66,651 | 10,509 | 4.79 | 30.36 | .9 | 85.1 |
| May..... | 1,476,793 | 73,226 | 1.28 | 25.79 | 1.0 | 94.5 | 58,297 | 9,272 | 5.40 | 33.92 | .8 | 77.1 |
| June..... | 1,559,404 | 76,712 | 1.28 | 25.93 | 1.0 | 91.9 | 68,084 | 11,088 | 4.95 | 30.42 | .7 | 68.6 |
| July..... | 1,544,292 | 76,871 | 1.27 | 25.57 | .9 | 81.6 | 85,848 | 13,625 | 4.81 | 30.30 | .9 | 76.3 |
| August..... | 1,591,162 | 78,996 | 1.27 | 25.53 | 1.0 | 82.7 | 77,132 | 12,252 | 4.78 | 30.06 | .9 | 65.9 |
| September..... | 1,501,291 | 74,484 | 1.26 | 25.41 | 1.0 | 88.2 | 62,268 | 9,866 | 4.51 | 28.49 | .9 | 82.2 |
| October..... | 1,529,410 | 75,900 | 1.26 | 25.45 | 1.0 | 93.1 | 67,710 | 10,763 | 4.45 | 28.02 | .9 | 88.6 |
| November..... | 1,471,691 | 73,287 | 1.25 | 25.20 | 1.0 | 89.0 | 49,294 | 7,805 | 4.52 | 28.57 | .9 | 93.6 |
| December..... | 1,542,364 | 77,194 | 1.25 | 24.94 | 1.0 | 84.8 | 71,272 | 11,315 | 4.58 | 28.83 | .9 | 81.5 |
| Total..... | 17,996,349 | 888,143 | 1.27 | 25.74 | 1.0 | 87.6 | 867,079 | 137,927 | 4.92 | 30.95 | .8 | 80.7 |
| 2004 | | | | | | | | | | | | |
| January..... | 1,543,263 | 76,609 | 1.28 | 25.74 | .9 | 82.1 | 85,686 | 13,693 | 4.90 | 30.66 | .8 | 60.3 |
| February..... | 1,384,929 | 67,536 | 1.31 | 26.76 | 1.0 | 80.4 | 91,047 | 14,507 | 4.85 | 30.45 | .9 | 114.9 |
| March..... | 1,521,004 | 75,248 | 1.32 | 26.60 | 1.0 | 95.4 | 79,590 | 12,620 | 4.48 | 28.24 | .9 | 95.3 |
| April..... | 1,438,124 | 71,384 | 1.30 | 26.22 | 1.0 | 97.6 | 55,024 | 8,704 | 4.63 | 29.29 | .8 | 71.1 |
| May..... | 1,597,933 | 79,176 | 1.32 | 26.62 | 1.0 | 97.2 | 69,504 | 11,096 | 5.14 | 32.22 | .8 | 76.0 |
| June..... | 1,592,541 | 79,313 | 1.34 | 26.99 | 1.1 | 91.5 | 87,497 | 13,794 | 5.11 | 32.43 | .9 | 88.2 |
| July..... | 1,505,532 | 75,206 | 1.35 | 27.01 | .9 | 80.0 | 86,175 | 13,622 | 4.94 | 31.26 | .9 | 77.6 |
| Total..... | 10,583,327 | 524,473 | 1.32 | 26.56 | 1.0 | 88.7 | 554,522 | 88,037 | 4.88 | 30.71 | .9 | 81.1 |
| Year to Date | | | | | | | | | | | | |
| 2002..... | 10,159,489 | 499,169 | 1.26 | 25.62 | .9 | -- | 331,770 | 52,403 | 3.50 | 22.16 | .9 | -- |
| 2003..... | 10,360,430 | 508,282 | 1.28 | 26.06 | 1.0 | 87.7 | 539,403 | 85,926 | 5.13 | 32.22 | .8 | 77.2 |
| 2004..... | 10,583,327 | 524,473 | 1.32 | 26.56 | 1.0 | 88.7 | 554,522 | 88,037 | 4.88 | 30.71 | .9 | 81.1 |
| Rolling 12 Months Ending in July | | | | | | | | | | | | |
| 2003..... | 18,182,929 | 893,400 | 1.27 | 25.77 | 1.0 | -- | 830,986 | 132,105 | 4.83 | 30.41 | .8 | -- |
| 2004..... | 18,219,246 | 904,334 | 1.29 | 26.04 | 1.0 | 88.1 | 882,199 | 140,038 | 4.77 | 30.02 | .9 | 80.7 |

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

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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 Cost and Quality of Fuels for Electric Plants Report."

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 1990 through July 2004 (Continued)

| Period | Petroleum Coke | | | | | | Natural Gas ¹ | | | | All Fossil Fuels ² |
|---|----------------|--------------|-------------------------------|---------------|---------------|--|--------------------------|------------------|-------------------------------|--------------------------|-------------------------------|
| | Receipts | | Average Cost | | Avg. Sulfur % | Percentage of Consumption ³ | Receipts | | Average Cost | Percentage of | Average Cost |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | Consumption ³ | (dollars/10 ⁶ Btu) |
| 1990..... | 15,782 | 554 | .80 | 22.88 | 5.5 | NA | 2,558,303 | 2,490,979 | 2.32 | NA | 1.69 |
| 1991..... | 13,611 | 485 | .81 | 22.70 | 5.3 | NA | 2,693,391 | 2,630,818 | 2.15 | NA | 1.60 |
| 1992..... | 19,109 | 687 | .75 | 20.85 | 5.1 | NA | 2,699,916 | 2,637,678 | 2.33 | NA | 1.59 |
| 1993..... | 33,822 | 1,248 | .70 | 19.03 | 4.7 | NA | 2,634,914 | 2,574,523 | 2.56 | NA | 1.59 |
| 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 |
| 2002⁴ | | | | | | | | | | | |
| January..... | 10,171 | 355 | .90 | 25.84 | 5.2 | -- | 386,731 | 377,322 | 3.00 | -- | 1.51 |
| February..... | 7,524 | 263 | .94 | 26.81 | 5.2 | -- | 372,990 | 364,407 | 2.74 | -- | 1.49 |
| March..... | 10,990 | 385 | .82 | 23.39 | 5.2 | -- | 428,897 | 419,393 | 3.20 | -- | 1.51 |
| April..... | 10,058 | 351 | .75 | 21.35 | 5.4 | -- | 419,178 | 409,056 | 3.64 | -- | 1.48 |
| May..... | 10,836 | 381 | .75 | 21.34 | 5.1 | -- | 429,616 | 418,814 | 3.65 | -- | 1.52 |
| June..... | 9,493 | 330 | .76 | 21.80 | 4.9 | -- | 536,370 | 522,348 | 3.49 | -- | 1.51 |
| July..... | 10,561 | 369 | .71 | 20.29 | 5.1 | -- | 680,326 | 662,862 | 3.41 | -- | 1.51 |
| August..... | 15,817 | 550 | .72 | 20.61 | 4.9 | -- | 685,462 | 668,445 | 3.33 | -- | 1.53 |
| September..... | 10,298 | 362 | .91 | 25.96 | 4.6 | -- | 560,972 | 547,067 | 3.61 | -- | 1.47 |
| October..... | 12,966 | 456 | .70 | 19.77 | 4.7 | -- | 458,274 | 446,377 | 4.04 | -- | 1.53 |
| November..... | 8,044 | 280 | 1.02 | 29.20 | 4.7 | -- | 377,791 | 368,775 | 4.23 | -- | 1.57 |
| December..... | 10,605 | 372 | .56 | 15.96 | 4.7 | -- | 413,235 | 402,873 | 4.53 | -- | 1.55 |
| Total..... | 127,362 | 4,454 | .78 | 22.32 | 5.0 | -- | 5,749,844 | 5,607,737 | 3.56 | -- | 1.52 |
| 2003 | | | | | | | | | | | |
| January..... | 10,297 | 361 | .65 | 18.46 | 5.2 | 78.5 | 341,708 | 339,679 | 5.24 | 83.3 | 2.09 |
| February..... | 6,525 | 229 | .63 | 17.95 | 5.9 | 58.9 | 321,925 | 313,946 | 6.16 | 86.0 | 2.36 |
| March..... | 6,427 | 227 | .72 | 20.49 | 5.7 | 67.1 | 350,550 | 340,376 | 7.06 | 87.1 | 2.54 |
| April..... | 7,725 | 272 | .52 | 14.76 | 5.4 | 57.0 | 344,020 | 334,030 | 5.21 | 91.8 | 2.17 |
| May..... | 9,403 | 331 | .65 | 18.58 | 5.5 | 73.1 | 391,417 | 379,998 | 5.51 | 91.2 | 2.27 |
| June..... | 12,929 | 456 | .66 | 18.61 | 5.0 | 81.5 | 398,416 | 387,323 | 5.83 | 85.8 | 2.30 |
| July..... | 13,043 | 463 | .79 | 22.15 | 5.4 | 71.4 | 538,127 | 522,316 | 5.34 | 80.8 | 2.42 |
| August..... | 16,394 | 579 | .69 | 19.54 | 5.3 | 94.8 | 557,709 | 541,839 | 5.05 | 77.8 | 2.33 |
| September..... | 15,920 | 562 | .75 | 21.16 | 5.1 | 94.0 | 417,343 | 406,068 | 5.00 | 86.8 | 2.15 |
| October..... | 14,045 | 499 | .69 | 19.55 | 5.5 | 80.6 | 356,726 | 346,808 | 4.92 | 80.2 | 2.04 |
| November..... | 17,884 | 632 | .70 | 19.93 | 5.3 | 101.1 | 327,236 | 319,962 | 4.69 | 85.5 | 1.95 |
| December..... | 15,368 | 550 | .75 | 20.82 | 5.1 | 83.5 | 358,247 | 348,403 | 5.27 | 95.2 | 2.10 |
| Total..... | 145,961 | 5,161 | .69 | 19.64 | 5.3 | 80.2 | 4,703,425 | 4,580,749 | 5.42 | 85.2 | 2.22 |
| 2004 | | | | | | | | | | | |
| January..... | 13,230 | 474 | .74 | 20.58 | 5.1 | 71.2 | 369,281 | 361,622 | 6.16 | 96.1 | 2.32 |
| February..... | 13,646 | 483 | .75 | 21.20 | 5.1 | 86.3 | 381,528 | 371,036 | 5.63 | 94.2 | 2.36 |
| March..... | 15,728 | 556 | .82 | 23.15 | 5.2 | 97.7 | 394,809 | 384,676 | 5.35 | 97.6 | 2.23 |
| April..... | 11,632 | 413 | .75 | 21.14 | 5.2 | 72.0 | 414,861 | 403,736 | 5.60 | 99.3 | 2.32 |
| May..... | 17,534 | 623 | .75 | 21.15 | 5.0 | 102.9 | 481,361 | 468,024 | 6.09 | 92.6 | 2.50 |
| June..... | 18,201 | 645 | .80 | 22.54 | 5.2 | 108.5 | 504,582 | 490,421 | 6.37 | 90.9 | 2.64 |
| July..... | 15,983 | 568 | .84 | 23.71 | 5.0 | 93.3 | 598,133 | 580,989 | 6.07 | 87.9 | 2.77 |
| Total..... | 105,952 | 3,761 | .78 | 22.00 | 5.1 | 90.0 | 3,144,555 | 3,060,505 | 5.93 | 93.4 | 2.46 |
| Year to Date | | | | | | | | | | | |
| 2002..... | 69,633 | 2,434 | .80 | 22.82 | 5.1 | -- | 3,254,109 | 3,174,201 | 3.33 | -- | 1.50 |
| 2003..... | 66,349 | 2,339 | .67 | 18.95 | 5.4 | 70.4 | 2,686,164 | 2,617,669 | 5.73 | 86.0 | 2.30 |
| 2004..... | 105,952 | 3,761 | .78 | 22.00 | 5.1 | 90.0 | 3,144,555 | 3,060,505 | 5.93 | 93.4 | 2.46 |
| Rolling 12 Months Ending in July | | | | | | | | | | | |
| 2003..... | 124,078 | 4,359 | .71 | 20.23 | 5.1 | -- | 5,181,899 | 5,051,205 | 4.83 | -- | 2.22 |
| 2004..... | 185,564 | 6,583 | .75 | 21.23 | 5.2 | 90.3 | 5,209,657 | 5,142,686 | 5.55 | 87.1 | 2.32 |

¹ 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.

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

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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 Cost and Quality of Fuels for Electric Plants Report."

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1990 through July 2004

| 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) | |
| 1990..... | 16,464,431 | 786,627 | 1.45 | 30.45 | 1.4 | 1,316,433 | 209,350 | 3.38 | 21.28 | 1.0 |
| 1991..... | 15,980,106 | 769,923 | 1.45 | 30.02 | 1.3 | 1,070,986 | 169,625 | 2.55 | 16.09 | 1.1 |
| 1992..... | 16,131,752 | 775,963 | 1.41 | 29.36 | 1.3 | 914,004 | 144,390 | 2.55 | 16.15 | 1.1 |
| 1993..... | 15,867,904 | 769,152 | 1.39 | 28.58 | 1.2 | 937,172 | 147,902 | 2.43 | 15.42 | 1.2 |
| 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 | 24.86 | 1.1 |
| 2002 | | | | | | | | | | |
| January..... | 1,217,497 | 60,026 | 1.22 | 24.72 | .9 | 25,376 | 3,981 | 2.80 | 17.83 | .9 |
| February..... | 1,155,337 | 56,544 | 1.24 | 25.33 | .9 | 14,015 | 2,219 | 2.75 | 17.36 | .8 |
| March..... | 1,169,044 | 57,216 | 1.21 | 24.75 | .9 | 22,565 | 3,554 | 3.09 | 19.64 | 1.0 |
| April..... | 1,046,388 | 51,499 | 1.21 | 24.61 | .9 | 39,751 | 6,256 | 3.63 | 23.07 | .9 |
| May..... | 1,045,108 | 51,574 | 1.21 | 24.60 | .8 | 42,995 | 6,696 | 3.69 | 23.66 | 1.1 |
| June..... | 1,050,864 | 51,965 | 1.22 | 24.59 | .8 | 42,010 | 6,561 | 3.70 | 23.72 | 1.0 |
| July..... | 1,230,231 | 60,607 | 1.21 | 24.51 | .8 | 32,545 | 5,091 | 3.61 | 23.09 | 1.1 |
| August..... | 1,253,842 | 61,386 | 1.23 | 25.20 | .9 | 44,537 | 6,934 | 3.89 | 25.00 | 1.0 |
| September..... | 1,187,957 | 58,245 | 1.23 | 25.09 | .9 | 25,258 | 3,955 | 3.85 | 24.61 | .9 |
| October..... | 1,268,029 | 62,424 | 1.22 | 24.87 | .9 | 43,344 | 6,787 | 4.27 | 27.26 | 1.0 |
| November..... | 1,225,166 | 60,260 | 1.22 | 24.85 | .9 | 35,414 | 5,570 | 4.04 | 25.70 | 1.0 |
| December..... | 1,117,862 | 56,000 | 1.18 | 23.64 | .9 | 39,633 | 6,208 | 4.28 | 27.30 | 1.1 |
| Total..... | 13,967,326 | 687,747 | 1.22 | 24.74 | .9 | 407,442 | 63,809 | 3.74 | 23.88 | 1.0 |
| 2003 | | | | | | | | | | |
| January..... | 1,195,563 | 58,692 | 1.23 | 25.11 | 1.1 | 33,946 | 5,345 | 4.67 | 29.66 | 1.0 |
| February..... | 1,094,761 | 52,743 | 1.23 | 25.59 | 1.0 | 73,157 | 11,548 | 4.59 | 29.10 | .6 |
| March..... | 1,137,444 | 55,723 | 1.24 | 25.27 | .9 | 53,186 | 8,413 | 5.18 | 32.73 | 1.0 |
| April..... | 1,076,262 | 51,776 | 1.29 | 26.84 | .9 | 41,467 | 6,532 | 4.56 | 28.95 | 1.0 |
| May..... | 1,155,159 | 57,238 | 1.24 | 25.07 | .9 | 24,401 | 3,853 | 4.58 | 29.02 | .9 |
| June..... | 1,232,784 | 60,249 | 1.25 | 25.63 | .9 | 30,005 | 4,723 | 4.41 | 28.01 | 1.0 |
| July..... | 1,185,870 | 58,794 | 1.25 | 25.13 | .9 | 53,542 | 8,393 | 4.64 | 29.62 | 1.1 |
| August..... | 1,240,354 | 61,125 | 1.24 | 25.25 | .9 | 49,946 | 7,831 | 4.59 | 29.26 | 1.1 |
| September..... | 1,162,719 | 57,382 | 1.24 | 25.18 | .9 | 39,275 | 6,162 | 4.38 | 27.95 | 1.0 |
| October..... | 1,155,859 | 57,068 | 1.24 | 25.02 | .9 | 43,299 | 6,800 | 4.30 | 27.36 | 1.0 |
| November..... | 1,096,760 | 54,169 | 1.24 | 25.07 | .9 | 32,849 | 5,162 | 4.37 | 27.82 | 1.0 |
| December..... | 1,196,458 | 59,667 | 1.22 | 24.51 | .9 | 44,337 | 6,972 | 4.36 | 27.71 | 1.0 |
| Total..... | 13,929,993 | 684,627 | 1.24 | 25.29 | .9 | 519,409 | 81,734 | 4.57 | 29.07 | 1.0 |
| 2004 | | | | | | | | | | |
| January..... | 1,165,611 | 57,478 | 1.26 | 25.54 | .9 | 37,497 | 5,906 | 4.52 | 28.72 | 1.1 |
| February..... | 1,067,960 | 52,646 | 1.28 | 25.92 | .9 | 35,237 | 5,507 | 4.27 | 27.32 | 1.1 |
| March..... | 1,110,640 | 54,594 | 1.29 | 26.23 | .9 | 48,715 | 7,672 | 4.29 | 27.23 | 1.0 |
| April..... | 1,093,711 | 54,235 | 1.28 | 25.77 | .9 | 27,828 | 4,365 | 4.35 | 27.75 | 1.0 |
| May..... | 1,229,496 | 60,472 | 1.31 | 26.53 | .9 | 41,056 | 6,524 | 4.97 | 31.28 | .9 |
| June..... | 1,208,883 | 59,324 | 1.32 | 26.89 | 1.0 | 55,409 | 8,656 | 4.89 | 31.31 | 1.1 |
| July..... | 1,151,969 | 57,165 | 1.33 | 26.75 | .9 | 56,087 | 8,796 | 4.70 | 29.97 | 1.1 |
| Total..... | 8,028,270 | 395,914 | 1.29 | 26.24 | .9 | 301,830 | 47,426 | 4.60 | 29.28 | 1.0 |
| Year to Date | | | | | | | | | | |
| 2002..... | 7,914,470 | 389,431 | 1.22 | 24.73 | .9 | 219,256 | 34,356 | 3.44 | 21.98 | 1.0 |
| 2003..... | 8,077,842 | 395,216 | 1.25 | 25.50 | .9 | 309,703 | 48,807 | 4.69 | 29.74 | .9 |
| 2004..... | 8,028,270 | 395,914 | 1.29 | 26.24 | .9 | 301,830 | 47,426 | 4.60 | 29.28 | 1.0 |
| Rolling 12 Months Ending in July | | | | | | | | | | |
| 2003..... | 14,130,698 | 693,531 | 1.24 | 25.18 | .9 | 497,889 | 78,260 | 4.46 | 28.37 | .9 |
| 2004..... | 13,880,420 | 685,325 | 1.27 | 25.72 | .9 | 511,536 | 80,354 | 4.52 | 28.79 | 1.0 |

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

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1990 through July 2004 (Continued)

| Period | Petroleum Coke | | | | Avg. Sulfur % | Natural Gas ¹ | | All Fossil Fuels ² | |
|---|----------------|--------------|-------------------------------|---------------|---------------|--------------------------|------------------|-------------------------------|-------------------------------|
| | Receipts | | Average Cost | | | Receipts | | Average Cost | |
| | (billion Btu) | (1000 tons) | (dollars/10 ⁶ Btu) | (dollars/ton) | | (billion Btu) | (1000 Mcf) | (dollars/10 ⁶ Btu) | (dollars/10 ⁶ Btu) |
| 1990..... | 15,782 | 554 | .80 | 22.88 | 5.5 | 2,558,303 | 2,490,979 | 2.32 | 1.69 |
| 1991..... | 13,611 | 485 | .81 | 22.70 | 5.3 | 2,693,391 | 2,630,818 | 2.15 | 1.60 |
| 1992..... | 19,109 | 687 | .75 | 20.85 | 5.1 | 2,699,916 | 2,637,678 | 2.33 | 1.59 |
| 1993..... | 33,822 | 1,248 | .70 | 19.03 | 4.7 | 2,634,914 | 2,574,523 | 2.56 | 1.59 |
| 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 | | | | | | | | | |
| January..... | 6,360 | 223 | .69 | 19.68 | 5.3 | 101,223 | 98,309 | 3.21 | 1.49 |
| February..... | 4,030 | 142 | .81 | 23.00 | 5.3 | 100,288 | 97,610 | 2.97 | 1.47 |
| March..... | 6,280 | 222 | .75 | 21.21 | 5.4 | 120,477 | 117,426 | 3.43 | 1.50 |
| April..... | 5,839 | 207 | .61 | 17.36 | 5.5 | 124,011 | 120,664 | 3.80 | 1.47 |
| May..... | 5,683 | 202 | .62 | 17.46 | 5.0 | 133,802 | 129,959 | 3.79 | 1.51 |
| June..... | 4,367 | 153 | .54 | 15.36 | 4.5 | 169,371 | 164,554 | 3.58 | 1.50 |
| July..... | 5,642 | 201 | .60 | 16.81 | 5.2 | 210,847 | 204,987 | 3.44 | 1.50 |
| August..... | 10,487 | 367 | .58 | 16.47 | 4.9 | 210,207 | 204,695 | 3.38 | 1.52 |
| September..... | 6,564 | 234 | .69 | 19.35 | 4.5 | 168,817 | 164,317 | 3.68 | 1.45 |
| October..... | 9,498 | 338 | .53 | 14.87 | 4.7 | 138,126 | 134,376 | 4.15 | 1.51 |
| November..... | 3,987 | 141 | .61 | 17.35 | 4.8 | 97,484 | 95,005 | 4.36 | 1.56 |
| December..... | 6,973 | 247 | .59 | 16.54 | 4.8 | 105,865 | 102,832 | 4.72 | 1.54 |
| Total..... | 75,711 | 2,677 | .63 | 17.68 | 5.0 | 1,680,518 | 1,634,734 | 3.68 | 1.50 |
| 2003 | | | | | | | | | |
| January..... | 6,620 | 235 | .71 | 20.08 | 5.3 | 95,675 | 99,021 | 5.31 | 1.61 |
| February..... | 2,612 | 93 | .67 | 18.83 | 6.4 | 88,380 | 85,963 | 6.21 | 1.78 |
| March..... | 3,388 | 121 | .85 | 23.85 | 6.0 | 97,090 | 93,865 | 7.29 | 1.85 |
| April..... | 5,141 | 182 | .51 | 14.29 | 5.3 | 103,887 | 100,455 | 5.43 | 1.75 |
| May..... | 6,667 | 236 | .66 | 18.61 | 5.6 | 123,757 | 119,437 | 5.57 | 1.71 |
| June..... | 8,201 | 290 | .63 | 17.83 | 5.0 | 119,849 | 115,570 | 6.15 | 1.74 |
| July..... | 5,289 | 188 | .81 | 22.73 | 5.6 | 159,326 | 154,156 | 5.57 | 1.86 |
| August..... | 8,492 | 300 | .69 | 19.59 | 5.4 | 169,249 | 163,852 | 5.23 | 1.81 |
| September..... | 8,278 | 293 | .79 | 22.34 | 5.2 | 123,397 | 119,687 | 5.33 | 1.71 |
| October..... | 6,760 | 240 | .76 | 21.42 | 5.7 | 98,115 | 95,162 | 5.22 | 1.63 |
| November..... | 10,877 | 385 | .77 | 21.71 | 5.5 | 90,847 | 89,662 | 4.94 | 1.59 |
| December..... | 7,718 | 274 | .83 | 23.29 | 5.1 | 82,399 | 79,944 | 5.65 | 1.60 |
| Total..... | 80,042 | 2,836 | .73 | 20.48 | 5.4 | 1,351,970 | 1,316,771 | 5.63 | 1.72 |
| 2004 | | | | | | | | | |
| January..... | 5,734 | 203 | .82 | 23.22 | 5.0 | 87,900 | 85,510 | 6.14 | 1.68 |
| February..... | 8,249 | 293 | .80 | 22.45 | 5.0 | 88,819 | 86,450 | 5.84 | 1.70 |
| March..... | 9,796 | 345 | .88 | 25.13 | 5.2 | 91,077 | 88,462 | 5.58 | 1.71 |
| April..... | 4,903 | 174 | .78 | 21.97 | 5.2 | 102,715 | 100,117 | 5.81 | 1.72 |
| May..... | 9,502 | 339 | .79 | 22.13 | 4.8 | 121,044 | 117,582 | 6.21 | 1.83 |
| June..... | 9,520 | 336 | .88 | 25.02 | 5.5 | 144,380 | 140,304 | 6.56 | 1.99 |
| July..... | 8,732 | 310 | .95 | 26.90 | 5.1 | 160,358 | 155,165 | 6.21 | 2.03 |
| Total..... | 56,435 | 1,999 | .85 | 24.01 | 5.1 | 796,294 | 773,590 | 6.10 | 1.82 |
| Year to Date | | | | | | | | | |
| 2002..... | 38,202 | 1,349 | .66 | 18.67 | 5.2 | 960,019 | 933,509 | 3.49 | 1.49 |
| 2003..... | 37,918 | 1,345 | .68 | 19.18 | 5.5 | 787,965 | 768,466 | 5.89 | 1.76 |
| 2004..... | 56,435 | 1,999 | .85 | 24.01 | 5.1 | 796,294 | 773,590 | 6.10 | 1.82 |
| Rolling 12 Months Ending in July | | | | | | | | | |
| 2003..... | 75,427 | 2,672 | .64 | 17.93 | 5.1 | 1,508,464 | 1,469,691 | 4.95 | 1.72 |
| 2004..... | 98,559 | 3,491 | .81 | 23.01 | 5.2 | 1,360,495 | 1,322,172 | 5.75 | 1.76 |

¹ 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.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1990 through July 2004

| 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) | |
| 1990..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1991..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1992..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1993..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 |
| 2002³ | | | | | | | | | | |
| January..... | 311,674 | 14,999 | 1.41 | 29.29 | 1.2 | 17,057 | 2,730 | 3.08 | 19.24 | .8 |
| February..... | 272,761 | 13,167 | 1.43 | 29.63 | 1.2 | 8,240 | 1,322 | 3.08 | 19.21 | .7 |
| March..... | 273,555 | 13,373 | 1.42 | 28.96 | 1.1 | 12,830 | 2,045 | 3.47 | 21.74 | .6 |
| April..... | 281,330 | 13,945 | 1.39 | 28.01 | 1.1 | 11,314 | 1,819 | 3.65 | 22.72 | .6 |
| May..... | 299,706 | 14,780 | 1.39 | 28.09 | 1.2 | 16,538 | 2,644 | 3.94 | 24.65 | .7 |
| June..... | 308,517 | 15,352 | 1.39 | 27.96 | 1.1 | 15,032 | 2,409 | 3.94 | 24.57 | .6 |
| July..... | 321,283 | 16,020 | 1.38 | 27.64 | 1.1 | 14,118 | 2,311 | 4.44 | 27.11 | .4 |
| August..... | 339,171 | 16,710 | 1.34 | 27.19 | 1.2 | 20,573 | 3,388 | 4.61 | 28.02 | .4 |
| September..... | 326,026 | 15,921 | 1.37 | 28.00 | 1.2 | 8,546 | 1,449 | 4.74 | 27.95 | .4 |
| October..... | 334,997 | 16,388 | 1.34 | 27.47 | 1.1 | 19,104 | 3,046 | 4.55 | 28.52 | .8 |
| November..... | 324,120 | 15,869 | 1.34 | 27.47 | 1.3 | 20,515 | 3,298 | 4.96 | 30.84 | .6 |
| December..... | 317,707 | 15,960 | 1.33 | 26.38 | 1.1 | 22,404 | 3,583 | 4.72 | 29.49 | .6 |
| Total..... | 3,710,847 | 182,482 | 1.37 | 27.96 | 1.2 | 186,271 | 30,043 | 4.19 | 25.98 | .6 |
| 2003 | | | | | | | | | | |
| January..... | 282,807 | 14,030 | 1.32 | 26.63 | 1.1 | 22,586 | 3,654 | 5.59 | 34.57 | .6 |
| February..... | 281,942 | 13,934 | 1.43 | 28.88 | 1.4 | 34,983 | 5,616 | 6.30 | 39.22 | .6 |
| March..... | 314,167 | 15,205 | 1.45 | 29.86 | 1.2 | 34,147 | 5,472 | 6.58 | 41.06 | .7 |
| April..... | 313,334 | 15,443 | 1.37 | 27.85 | 1.3 | 23,698 | 3,740 | 5.23 | 33.12 | .6 |
| May..... | 298,491 | 14,866 | 1.41 | 28.31 | 1.3 | 32,261 | 5,145 | 6.07 | 38.06 | .6 |
| June..... | 301,306 | 15,268 | 1.36 | 26.82 | 1.3 | 35,897 | 5,982 | 5.42 | 32.53 | .5 |
| July..... | 338,366 | 17,130 | 1.35 | 26.75 | 1.2 | 30,029 | 4,830 | 5.11 | 31.76 | .5 |
| August..... | 323,326 | 16,563 | 1.34 | 26.19 | 1.2 | 25,217 | 4,046 | 5.15 | 32.11 | .5 |
| September..... | 312,860 | 15,892 | 1.31 | 25.84 | 1.3 | 21,092 | 3,370 | 4.74 | 29.69 | .8 |
| October..... | 347,580 | 17,600 | 1.34 | 26.52 | 1.2 | 22,354 | 3,610 | 4.73 | 29.31 | .7 |
| November..... | 349,449 | 17,914 | 1.29 | 25.22 | 1.1 | 14,617 | 2,343 | 4.83 | 30.15 | .7 |
| December..... | 318,433 | 16,225 | 1.33 | 26.10 | 1.2 | 24,667 | 3,975 | 4.94 | 30.67 | .6 |
| Total..... | 3,782,060 | 190,071 | 1.36 | 27.02 | 1.2 | 321,548 | 51,782 | 5.50 | 34.13 | .6 |
| 2004 | | | | | | | | | | |
| January..... | 351,258 | 17,889 | 1.32 | 25.96 | 1.1 | 44,813 | 7,239 | 5.18 | 32.05 | .6 |
| February..... | 289,422 | 13,630 | 1.39 | 29.42 | 1.2 | 53,219 | 8,576 | 5.22 | 32.41 | .7 |
| March..... | 383,058 | 19,368 | 1.38 | 27.26 | 1.1 | 28,956 | 4,642 | 4.78 | 29.81 | .6 |
| April..... | 318,619 | 15,949 | 1.36 | 27.19 | 1.2 | 25,107 | 3,998 | 4.93 | 30.99 | .6 |
| May..... | 340,290 | 17,374 | 1.35 | 26.48 | 1.1 | 26,907 | 4,325 | 5.42 | 33.73 | .6 |
| June..... | 355,368 | 18,672 | 1.40 | 26.72 | 1.2 | 30,342 | 4,857 | 5.51 | 34.43 | .6 |
| July..... | 324,624 | 16,666 | 1.40 | 27.31 | 1.2 | 28,008 | 4,483 | 5.42 | 33.87 | .5 |
| Total..... | 2,362,639 | 119,548 | 1.37 | 27.11 | 1.2 | 237,353 | 38,120 | 5.21 | 32.46 | .6 |
| Year to Date | | | | | | | | | | |
| 2002..... | 2,068,827 | 101,635 | 1.40 | 28.48 | 1.1 | 95,130 | 15,280 | 3.69 | 22.95 | .6 |
| 2003..... | 2,130,412 | 105,876 | 1.38 | 27.85 | 1.2 | 213,602 | 34,438 | 5.80 | 35.97 | .6 |
| 2004..... | 2,362,639 | 119,548 | 1.37 | 27.11 | 1.2 | 237,353 | 38,120 | 5.21 | 32.46 | .6 |
| Rolling 12 Months Ending in July | | | | | | | | | | |
| 2003..... | 3,772,433 | 186,723 | 1.37 | 27.61 | 1.2 | 304,743 | 49,201 | 5.47 | 33.91 | .6 |
| 2004..... | 4,014,287 | 203,742 | 1.35 | 26.64 | 1.2 | 345,300 | 55,464 | 5.11 | 31.83 | .6 |

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

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1990 through July 2004 (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) | (dollars/10 ⁶ Btu) |
| 1990..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1991..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1992..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1993..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 |
| 2002³ | | | | | | | | | |
| January..... | 3,418 | 118 | 1.31 | 38.09 | 4.8 | 210,224 | 205,723 | 2.94 | 1.49 |
| February..... | 3,157 | 109 | 1.12 | 32.37 | 4.9 | 203,236 | 199,150 | 2.70 | 1.47 |
| March..... | 4,514 | 156 | .92 | 26.58 | 5.0 | 231,307 | 226,939 | 3.23 | 1.50 |
| April..... | 3,812 | 130 | .94 | 27.72 | 5.1 | 223,672 | 218,906 | 3.66 | 1.47 |
| May..... | 4,872 | 169 | .90 | 25.99 | 5.1 | 220,919 | 216,070 | 3.63 | 1.51 |
| June..... | 4,905 | 169 | .95 | 27.69 | 5.2 | 297,851 | 290,514 | 3.48 | 1.50 |
| July..... | 4,493 | 153 | .84 | 24.75 | 4.8 | 393,500 | 384,166 | 3.39 | 1.50 |
| August..... | 4,960 | 170 | 1.01 | 29.52 | 4.8 | 398,684 | 389,329 | 3.32 | 1.52 |
| September..... | 3,429 | 117 | 1.35 | 39.58 | 4.6 | 321,705 | 314,336 | 3.60 | 1.45 |
| October..... | 3,110 | 105 | 1.19 | 35.44 | 4.5 | 249,814 | 243,801 | 4.05 | 1.51 |
| November..... | 3,790 | 129 | 1.46 | 42.77 | 4.6 | 214,402 | 209,743 | 4.20 | 1.56 |
| December..... | 3,346 | 114 | .49 | 14.22 | 4.5 | 232,794 | 227,631 | 4.55 | 1.54 |
| Total..... | 47,805 | 1,639 | 1.03 | 29.98 | 4.9 | 3,198,108 | 3,126,308 | 3.55 | 1.50 |
| 2003 | | | | | | | | | |
| January..... | 3,677 | 126 | .53 | 15.43 | 5.0 | 189,045 | 185,363 | 5.30 | 3.02 |
| February..... | 3,313 | 114 | .57 | 16.69 | 5.4 | 172,671 | 168,793 | 6.36 | 3.50 |
| March..... | 2,414 | 83 | .53 | 15.52 | 5.1 | 193,497 | 188,393 | 6.83 | 3.69 |
| April..... | 1,945 | 66 | .46 | 13.49 | 5.4 | 180,629 | 175,797 | 5.10 | 2.85 |
| May..... | 1,976 | 68 | .57 | 16.57 | 5.0 | 204,708 | 199,649 | 5.54 | 3.27 |
| June..... | 3,949 | 138 | .65 | 18.53 | 4.8 | 212,508 | 207,801 | 5.65 | 3.27 |
| July..... | 6,062 | 214 | .69 | 19.54 | 5.1 | 315,735 | 307,107 | 5.20 | 3.28 |
| August..... | 6,598 | 233 | .63 | 17.74 | 5.1 | 337,118 | 328,203 | 4.99 | 3.25 |
| September..... | 6,011 | 211 | .61 | 17.30 | 4.8 | 239,927 | 233,915 | 4.84 | 2.89 |
| October..... | 5,705 | 200 | .53 | 15.18 | 5.2 | 200,224 | 195,032 | 4.86 | 2.69 |
| November..... | 5,973 | 209 | .52 | 14.82 | 5.0 | 175,791 | 171,357 | 4.58 | 2.45 |
| December..... | 5,985 | 215 | .56 | 15.47 | 4.9 | 207,596 | 202,220 | 5.20 | 2.93 |
| Total..... | 53,609 | 1,877 | .58 | 16.59 | 5.0 | 2,629,449 | 2,563,630 | 5.33 | 3.09 |
| 2004 | | | | | | | | | |
| January..... | 6,229 | 225 | .61 | 16.79 | 5.0 | 219,043 | 213,186 | 6.23 | 3.32 |
| February..... | 4,390 | 155 | .62 | 17.54 | 5.1 | 224,621 | 218,643 | 5.50 | 3.35 |
| March..... | 4,734 | 168 | .66 | 18.53 | 5.0 | 234,715 | 228,450 | 5.23 | 2.91 |
| April..... | 5,084 | 179 | .66 | 18.74 | 5.0 | 245,003 | 238,476 | 5.52 | 3.22 |
| May..... | 6,722 | 236 | .65 | 18.36 | 5.1 | 288,631 | 281,048 | 6.05 | 3.56 |
| June..... | 6,893 | 245 | .65 | 18.19 | 4.8 | 292,049 | 284,191 | 6.23 | 3.64 |
| July..... | 6,131 | 216 | .67 | 19.05 | 4.8 | 370,921 | 360,951 | 6.00 | 3.89 |
| Total..... | 40,182 | 1,424 | .64 | 18.17 | 5.0 | 1,874,983 | 1,824,944 | 5.85 | 3.43 |
| Year to Date | | | | | | | | | |
| 2002..... | 29,170 | 1,004 | .98 | 28.52 | 5.0 | 1,780,710 | 1,741,468 | 3.32 | 1.49 |
| 2003..... | 23,336 | 808 | .59 | 17.17 | 5.1 | 1,468,793 | 1,432,903 | 5.66 | 3.27 |
| 2004..... | 40,182 | 1,424 | .64 | 18.17 | 5.0 | 1,874,983 | 1,824,944 | 5.85 | 3.43 |
| Rolling 12 Months Ending in July | | | | | | | | | |
| 2003..... | 41,971 | 1,443 | .82 | 23.82 | 4.9 | 2,886,192 | 2,817,743 | 4.77 | 2.72 |
| 2004..... | 70,456 | 2,493 | .61 | 17.30 | 5.0 | 3,046,393 | 2,971,269 | 5.49 | 3.20 |

¹ 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.

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. • Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1990 through July 2004

| 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) | |
| 1990..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1991..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1992..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1993..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 |
| 2002³ | | | | | | | | | | |
| January..... | 971 | 41 | 2.10 | 49.98 | 2.2 | 103 | 19 | 4.87 | 26.92 | * |
| February..... | 819 | 34 | 2.17 | 51.80 | 2.2 | 44 | 8 | 4.87 | 26.92 | * |
| March..... | 843 | 35 | 2.16 | 51.99 | 2.2 | 27 | 5 | 4.81 | 26.59 | -- |
| April..... | 831 | 35 | 2.07 | 49.20 | 2.5 | -- | -- | -- | -- | -- |
| May..... | 779 | 32 | 2.16 | 52.06 | 2.5 | 61 | 11 | 4.60 | 26.04 | * |
| June..... | 661 | 28 | 2.11 | 50.39 | 2.4 | 18 | 3 | 5.44 | 30.09 | -- |
| July..... | 774 | 32 | 2.07 | 50.39 | 3.8 | 22 | 4 | 5.54 | 30.62 | * |
| August..... | 861 | 36 | 2.05 | 48.96 | 4.3 | 71 | 13 | 5.62 | 31.06 | -- |
| September..... | 765 | 31 | 2.11 | 51.63 | 2.0 | -- | -- | -- | -- | -- |
| October..... | 738 | 30 | 2.12 | 51.74 | 2.0 | -- | -- | -- | -- | -- |
| November..... | 802 | 34 | 2.06 | 49.09 | 2.4 | 53 | 10 | 5.78 | 30.81 | * |
| December..... | 735 | 31 | 2.04 | 48.34 | 2.5 | 105 | 19 | 6.30 | 34.86 | -- |
| Total..... | 9,580 | 399 | 2.10 | 50.44 | 2.6 | 503 | 91 | 5.38 | 29.73 | * |
| 2003 | | | | | | | | | | |
| January..... | 1,069 | 45 | 1.91 | 45.24 | 2.2 | 323 | 58 | 7.15 | 39.71 | * |
| February..... | 750 | 32 | 2.01 | 47.29 | 2.5 | 519 | 94 | 8.08 | 44.78 | * |
| March..... | 693 | 29 | 2.02 | 47.76 | 2.6 | 278 | 50 | 10.10 | 56.43 | * |
| April..... | 692 | 30 | 2.05 | 47.76 | 2.6 | -- | -- | -- | -- | -- |
| May..... | 671 | 28 | 2.00 | 47.73 | 2.5 | -- | -- | -- | -- | -- |
| June..... | 844 | 35 | 1.90 | 45.70 | 2.3 | 193 | 34 | 5.84 | 33.61 | * |
| July..... | 750 | 32 | 1.97 | 46.19 | 2.7 | 2 | * | 4.46 | 24.65 | * |
| August..... | 601 | 25 | 1.95 | 46.01 | 2.9 | 3 | 1 | 4.46 | 24.66 | * |
| September..... | 780 | 33 | 2.04 | 48.97 | 2.3 | -- | -- | -- | -- | -- |
| October..... | 544 | 22 | 2.09 | 50.99 | 2.0 | -- | -- | -- | -- | -- |
| November..... | 665 | 27 | 2.09 | 51.03 | 2.0 | -- | -- | -- | -- | -- |
| December..... | 634 | 27 | 2.02 | 48.02 | 2.5 | 3 | * | 7.25 | 42.61 | .2 |
| Total..... | 8,693 | 365 | 2.00 | 47.52 | 2.4 | 1,321 | 237 | 7.93 | 44.31 | * |
| 2004 | | | | | | | | | | |
| January..... | 843 | 36 | 1.92 | 45.10 | 2.7 | 28 | 5 | 7.47 | 43.61 | .1 |
| February..... | 940 | 40 | 1.94 | 45.38 | 2.6 | 116 | 20 | 7.32 | 42.36 | * |
| March..... | 921 | 39 | 1.92 | 45.79 | 2.6 | 19 | 3 | 7.54 | 43.81 | * |
| April..... | 673 | 28 | 1.95 | 46.17 | 2.7 | -- | -- | -- | -- | -- |
| May..... | 824 | 36 | 1.86 | 42.86 | 3.0 | -- | -- | -- | -- | -- |
| June..... | 901 | 38 | 1.99 | 47.18 | 2.3 | 130 | 22 | 7.56 | 44.56 | * |
| July..... | 1,041 | 44 | 2.04 | 47.89 | 2.4 | 1 | * | 9.30 | 55.40 | .3 |
| Total..... | 6,143 | 261 | 1.95 | 45.84 | 2.6 | 293 | 50 | 7.46 | 43.57 | * |
| Year to Date | | | | | | | | | | |
| 2002..... | 5,678 | 237 | 2.12 | 50.81 | 2.5 | 274 | 49 | 4.89 | 27.19 | * |
| 2003..... | 5,468 | 231 | 1.97 | 46.67 | 2.5 | 1,315 | 236 | 7.94 | 44.36 | * |
| 2004..... | 6,143 | 261 | 1.95 | 45.84 | 2.6 | 293 | 50 | 7.46 | 43.57 | * |
| Rolling 12 Months Ending in July | | | | | | | | | | |
| 2003..... | 9,371 | 393 | 2.02 | 48.00 | 2.6 | 1,545 | 277 | 7.65 | 42.61 | * |
| 2004..... | 9,367 | 395 | 1.98 | 46.90 | 2.5 | 299 | 51 | 7.43 | 43.37 | * |

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

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

³ 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" and values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1990 through July 2004 (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) | (dollars/10 ⁶ Btu) |
| 1990..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1991..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1992..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1993..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 |
| 2002³ | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 599 | 588 | 3.28 | 2.37 |
| February..... | -- | -- | -- | -- | -- | 657 | 646 | 2.84 | 2.31 |
| March..... | -- | -- | -- | -- | -- | 1,764 | 1,715 | 3.42 | 2.24 |
| April..... | -- | -- | -- | -- | -- | 1,240 | 1,228 | 3.71 | 2.07 |
| May..... | -- | -- | -- | -- | -- | 601 | 593 | 3.79 | 2.34 |
| June..... | -- | -- | -- | -- | -- | 900 | 887 | 3.62 | 2.20 |
| July..... | -- | -- | -- | -- | -- | 4,389 | 4,295 | 3.21 | 2.17 |
| August..... | -- | -- | -- | -- | -- | 3,711 | 3,617 | 3.24 | 2.32 |
| September..... | -- | -- | -- | -- | -- | 2,736 | 2,652 | 3.61 | 2.11 |
| October..... | -- | -- | -- | -- | -- | 1,001 | 979 | 3.99 | 2.12 |
| November..... | -- | -- | -- | -- | -- | 533 | 524 | 3.83 | 2.29 |
| December..... | -- | -- | -- | -- | -- | 540 | 531 | 4.20 | 2.57 |
| Total..... | -- | -- | -- | -- | -- | 18,671 | 18,256 | 3.44 | 2.27 |
| 2003 | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 842 | 825 | 4.87 | 3.78 |
| February..... | -- | -- | -- | -- | -- | 644 | 634 | 5.01 | 4.67 |
| March..... | -- | -- | -- | -- | -- | 1,010 | 986 | 4.93 | 4.64 |
| April..... | -- | -- | -- | -- | -- | 1,421 | 1,379 | 5.01 | 4.04 |
| May..... | -- | -- | -- | -- | -- | 946 | 924 | 4.96 | 3.73 |
| June..... | -- | -- | -- | -- | -- | 543 | 533 | 4.47 | 3.27 |
| July..... | -- | -- | -- | -- | -- | 1,144 | 1,115 | 4.82 | 3.69 |
| August..... | -- | -- | -- | -- | -- | 1,798 | 1,748 | 4.88 | 4.14 |
| September..... | -- | -- | -- | -- | -- | 677 | 665 | 4.31 | 3.10 |
| October..... | -- | -- | -- | -- | -- | 620 | 608 | 4.21 | 3.22 |
| November..... | -- | -- | -- | -- | -- | 50 | 49 | 5.20 | 2.31 |
| December..... | -- | -- | -- | -- | -- | 700 | 686 | 5.08 | 3.64 |
| Total..... | -- | -- | -- | -- | -- | 10,396 | 10,154 | 4.83 | 3.82 |
| 2004 | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 1,379 | 1,349 | 5.96 | 4.46 |
| February..... | -- | -- | -- | -- | -- | 1,210 | 1,181 | 5.61 | 4.17 |
| March..... | -- | -- | -- | -- | -- | 1,111 | 1,086 | 5.19 | 3.74 |
| April..... | -- | -- | -- | -- | -- | 1,661 | 1,634 | 6.02 | 4.84 |
| May..... | -- | -- | -- | -- | -- | 944 | 926 | 5.64 | 3.88 |
| June..... | -- | -- | -- | -- | -- | 905 | 891 | 5.68 | 4.09 |
| July..... | -- | -- | -- | -- | -- | 852 | 838 | 5.60 | 3.65 |
| Total..... | -- | -- | -- | -- | -- | 8,062 | 7,906 | 5.70 | 4.15 |
| Year to Date | | | | | | | | | |
| 2002..... | -- | -- | -- | -- | -- | 10,149 | 9,953 | 3.36 | 2.25 |
| 2003..... | -- | -- | -- | -- | -- | 6,551 | 6,396 | 4.89 | 4.00 |
| 2004..... | -- | -- | -- | -- | -- | 8,062 | 7,906 | 5.70 | 4.15 |
| Rolling 12 Months Ending in July | | | | | | | | | |
| 2003..... | -- | -- | -- | -- | -- | 15,072 | 14,699 | 4.13 | 3.59 |
| 2004..... | -- | -- | -- | -- | -- | 11,907 | 11,663 | 5.38 | 3.93 |

¹ 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.

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1990 through July 2004

| 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) | |
| 1990..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1991..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1992..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1993..... | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 |
| 2002³ | | | | | | | | | | |
| January..... | 24,928 | 1,152 | 1.46 | 31.67 | 1.5 | 2,924 | 467 | 2.91 | 18.25 | 1.3 |
| February..... | 22,703 | 1,033 | 1.48 | 32.45 | 3.2 | 2,570 | 410 | 2.83 | 17.70 | 1.3 |
| March..... | 22,037 | 1,017 | 1.45 | 31.33 | 1.4 | 3,204 | 509 | 2.93 | 18.48 | 1.0 |
| April..... | 24,450 | 1,131 | 1.45 | 31.27 | 1.5 | 2,454 | 389 | 3.27 | 20.67 | 1.2 |
| May..... | 24,106 | 1,098 | 1.48 | 32.50 | 1.4 | 2,014 | 318 | 3.44 | 21.82 | 1.3 |
| June..... | 25,335 | 1,175 | 1.47 | 31.72 | 1.4 | 2,015 | 319 | 3.54 | 22.42 | 1.3 |
| July..... | 26,955 | 1,260 | 1.46 | 31.27 | 1.4 | 1,928 | 307 | 3.56 | 22.40 | 1.3 |
| August..... | 26,361 | 1,217 | 1.45 | 31.51 | 1.4 | 1,892 | 302 | 3.73 | 23.36 | 1.2 |
| September..... | 23,494 | 1,084 | 1.44 | 31.21 | 1.5 | 2,091 | 337 | 4.31 | 26.79 | 1.2 |
| October..... | 23,553 | 1,096 | 1.42 | 30.60 | 1.4 | 2,413 | 384 | 4.32 | 27.13 | 1.2 |
| November..... | 23,603 | 1,143 | 1.40 | 28.90 | 1.3 | 2,745 | 437 | 3.95 | 24.81 | 1.4 |
| December..... | 26,709 | 1,253 | 1.46 | 31.17 | 1.4 | 2,887 | 461 | 4.18 | 26.20 | 1.3 |
| Total..... | 294,234 | 13,659 | 1.45 | 31.29 | 1.6 | 29,137 | 4,638 | 3.55 | 22.33 | 1.2 |
| 2003 | | | | | | | | | | |
| January..... | 18,795 | 871 | 1.48 | 32.00 | 1.3 | 2,515 | 397 | 4.36 | 27.59 | 1.5 |
| February..... | 17,174 | 806 | 1.49 | 31.70 | 1.2 | 2,382 | 382 | 4.59 | 28.64 | 1.2 |
| March..... | 23,275 | 1,098 | 1.44 | 30.60 | 1.6 | 2,500 | 403 | 5.14 | 31.90 | 1.4 |
| April..... | 21,214 | 1,014 | 1.40 | 29.27 | 1.6 | 1,486 | 237 | 4.10 | 25.75 | 1.8 |
| May..... | 22,474 | 1,094 | 1.37 | 28.25 | 1.5 | 1,635 | 274 | 4.24 | 25.26 | 1.4 |
| June..... | 24,470 | 1,160 | 1.39 | 29.40 | 1.3 | 1,989 | 350 | 4.67 | 26.49 | 1.1 |
| July..... | 19,306 | 915 | 1.45 | 30.53 | 1.1 | 2,275 | 403 | 4.75 | 26.86 | 1.2 |
| August..... | 26,881 | 1,282 | 1.43 | 29.91 | 1.4 | 1,966 | 375 | 4.71 | 24.74 | .7 |
| September..... | 24,931 | 1,178 | 1.41 | 29.88 | 1.4 | 1,901 | 335 | 4.66 | 26.45 | 1.2 |
| October..... | 25,428 | 1,210 | 1.41 | 29.71 | 1.4 | 2,058 | 353 | 4.68 | 27.31 | 1.2 |
| November..... | 24,818 | 1,177 | 1.43 | 30.13 | 1.3 | 1,828 | 299 | 4.77 | 29.16 | 1.2 |
| December..... | 26,838 | 1,275 | 1.44 | 30.22 | 1.4 | 2,266 | 367 | 4.91 | 30.30 | 1.4 |
| Total..... | 275,603 | 13,079 | 1.43 | 30.06 | 1.4 | 24,801 | 4,175 | 4.66 | 27.66 | 1.2 |
| 2004 | | | | | | | | | | |
| January..... | 25,552 | 1,207 | 1.48 | 31.27 | 1.4 | 3,348 | 543 | 5.38 | 33.16 | 1.0 |
| February..... | 26,606 | 1,220 | 1.51 | 32.94 | 1.6 | 2,475 | 404 | 5.01 | 30.72 | 1.2 |
| March..... | 26,386 | 1,249 | 1.53 | 32.32 | 1.5 | 1,899 | 303 | 4.73 | 29.65 | 1.5 |
| April..... | 25,121 | 1,172 | 1.56 | 33.38 | 1.4 | 2,090 | 341 | 4.74 | 29.08 | 1.2 |
| May..... | 27,323 | 1,294 | 1.50 | 31.75 | 1.4 | 1,541 | 247 | 4.92 | 30.67 | 1.5 |
| June..... | 27,389 | 1,279 | 1.63 | 34.84 | 1.4 | 1,616 | 259 | 5.02 | 31.30 | 1.6 |
| July..... | 27,898 | 1,330 | 1.63 | 34.15 | 1.4 | 2,079 | 343 | 4.95 | 30.02 | 1.4 |
| Total..... | 186,275 | 8,750 | 1.55 | 32.97 | 1.4 | 15,046 | 2,441 | 5.01 | 30.86 | 1.3 |
| Year to Date | | | | | | | | | | |
| 2002..... | 170,514 | 7,865 | 1.46 | 31.73 | 1.7 | 17,110 | 2,718 | 3.17 | 19.93 | 1.2 |
| 2003..... | 146,707 | 6,958 | 1.43 | 30.13 | 1.4 | 14,783 | 2,447 | 4.59 | 27.75 | 1.3 |
| 2004..... | 186,275 | 8,750 | 1.55 | 32.97 | 1.4 | 15,046 | 2,441 | 5.01 | 30.86 | 1.3 |
| Rolling 12 Months Ending in July | | | | | | | | | | |
| 2003..... | 270,427 | 12,752 | 1.43 | 30.39 | 1.4 | 26,810 | 4,367 | 4.37 | 26.86 | 1.3 |
| 2004..... | 315,171 | 14,871 | 1.50 | 31.73 | 1.4 | 25,064 | 4,169 | 4.90 | 29.48 | 1.2 |

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

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1990 through July 2004 (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) | (dollars/10 ⁶ Btu) |
| 1990..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1991..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1992..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1993..... | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 |
| 2002³ | | | | | | | | | |
| January..... | 392 | 14 | .76 | 21.18 | 5.7 | 74,685 | 72,701 | 2.88 | 1.60 |
| February..... | 338 | 12 | .75 | 21.19 | 5.9 | 68,809 | 67,000 | 2.49 | 1.60 |
| March..... | 196 | 7 | .77 | 21.19 | 5.8 | 75,349 | 73,314 | 2.74 | 1.63 |
| April..... | 407 | 15 | .77 | 21.20 | 5.9 | 70,255 | 68,258 | 3.28 | 1.60 |
| May..... | 281 | 10 | .77 | 21.19 | 6.0 | 74,295 | 72,191 | 3.47 | 1.62 |
| June..... | 220 | 8 | .76 | 21.18 | 6.0 | 68,248 | 66,392 | 3.27 | 1.62 |
| July..... | 426 | 15 | .77 | 21.20 | 6.5 | 71,590 | 69,414 | 3.45 | 1.59 |
| August..... | 370 | 13 | .77 | 21.18 | 6.3 | 72,858 | 70,803 | 3.25 | 1.60 |
| September..... | 305 | 11 | .76 | 21.18 | 5.6 | 67,715 | 65,762 | 3.48 | 1.66 |
| October..... | 357 | 13 | .76 | 21.18 | 5.7 | 69,334 | 67,222 | 3.80 | 1.68 |
| November..... | 267 | 9 | .75 | 21.26 | 5.7 | 65,372 | 63,502 | 4.16 | 1.66 |
| December..... | 286 | 10 | .77 | 21.25 | 5.6 | 74,036 | 71,879 | 4.19 | 1.72 |
| Total..... | 3,846 | 138 | .76 | 21.20 | 5.9 | 852,547 | 828,439 | 3.36 | 1.63 |
| 2003 | | | | | | | | | |
| January..... | -- | -- | -- | -- | -- | 56,145 | 54,470 | 4.94 | 4.13 |
| February..... | 600 | 22 | .75 | 20.74 | 6.1 | 60,230 | 58,557 | 5.51 | 4.63 |
| March..... | 625 | 23 | .76 | 20.69 | 6.2 | 58,952 | 57,132 | 7.48 | 5.84 |
| April..... | 639 | 23 | .81 | 22.01 | 6.1 | 58,083 | 56,399 | 5.18 | 4.17 |
| May..... | 761 | 28 | .85 | 23.28 | 5.5 | 62,005 | 59,989 | 5.27 | 4.25 |
| June..... | 779 | 29 | .99 | 26.75 | 5.4 | 65,516 | 63,420 | 5.84 | 4.63 |
| July..... | 1,691 | 62 | 1.07 | 29.45 | 5.5 | 61,924 | 59,937 | 5.43 | 4.46 |
| August..... | 1,304 | 47 | 1.01 | 28.14 | 5.7 | 49,544 | 48,036 | 4.87 | 3.73 |
| September..... | 1,632 | 58 | 1.05 | 29.24 | 6.0 | 53,343 | 51,801 | 4.97 | 3.84 |
| October..... | 1,580 | 58 | .99 | 26.85 | 5.5 | 57,768 | 56,006 | 4.64 | 3.67 |
| November..... | 1,034 | 38 | 1.10 | 30.14 | 5.7 | 60,548 | 58,893 | 4.64 | 3.73 |
| December..... | 1,665 | 60 | 1.04 | 28.69 | 5.7 | 67,552 | 65,554 | 5.02 | 4.00 |
| Total..... | 12,310 | 447 | .98 | 27.09 | 5.7 | 711,610 | 690,194 | 5.33 | 4.26 |
| 2004 | | | | | | | | | |
| January..... | 1,268 | 45 | .99 | 27.50 | 5.8 | 60,960 | 61,578 | 5.94 | 4.60 |
| February..... | 1,007 | 36 | .95 | 26.80 | 5.9 | 66,878 | 64,762 | 5.79 | 4.54 |
| March..... | 1,198 | 43 | .91 | 25.27 | 5.7 | 67,905 | 66,679 | 5.47 | 4.34 |
| April..... | 1,645 | 59 | .94 | 25.96 | 5.6 | 65,482 | 63,509 | 5.57 | 4.40 |
| May..... | 1,310 | 47 | 1.01 | 28.14 | 5.5 | 70,742 | 68,468 | 6.02 | 4.71 |
| June..... | 1,787 | 64 | .94 | 26.09 | 5.6 | 67,247 | 65,035 | 6.54 | 5.04 |
| July..... | 1,120 | 42 | .92 | 24.22 | 5.2 | 66,002 | 64,034 | 6.19 | 4.79 |
| Total..... | 9,335 | 338 | .95 | 26.28 | 5.6 | 465,216 | 454,065 | 5.93 | 4.63 |
| Year to Date | | | | | | | | | |
| 2002..... | 2,261 | 81 | .76 | 21.19 | 6.0 | 503,231 | 489,271 | 3.08 | 1.61 |
| 2003..... | 5,095 | 186 | .92 | 25.08 | 5.7 | 422,855 | 409,904 | 5.67 | 4.59 |
| 2004..... | 9,335 | 338 | .95 | 26.28 | 5.6 | 465,216 | 454,065 | 5.93 | 4.63 |
| Rolling 12 Months Ending in July | | | | | | | | | |
| 2003..... | 6,680 | 243 | .88 | 24.18 | 5.7 | 772,171 | 749,072 | 4.81 | 4.07 |
| 2004..... | 16,550 | 599 | .99 | 27.25 | 5.7 | 790,861 | 837,582 | 5.46 | 4.29 |

¹ 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.

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: • See Glossary for definitions. • Values for 2003 and 2004 are preliminary. Values for 2002 and prior years are final. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Source: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, July 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|---------------|--------------------------------|-----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England..... | 533 | 523 | 1.9 | 229 | 141 | 300 | 382 | -- | -- | 4 | -- |
| Connecticut..... | 133 | 53 | 152.0 | -- | -- | 133 | 53 | -- | -- | -- | -- |
| Maine..... | 17 | 15 | 11.8 | -- | -- | 13 | 15 | -- | -- | 4 | -- |
| Massachusetts..... | 185 | 314 | -41.3 | 30 | -- | 154 | 314 | -- | -- | -- | -- |
| New Hampshire..... | 199 | 141 | 41.1 | 199 | 141 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 4,394 | 4,254 | 3.3 | 154 | 146 | 4,109 | 3,997 | -- | -- | 131 | 111 |
| New Jersey..... | 242 | 179 | 35.4 | 65 | 23 | 177 | 156 | -- | -- | -- | -- |
| New York..... | 748 | 789 | -5.2 | 60 | 59 | 634 | 689 | -- | -- | 54 | 41 |
| Pennsylvania..... | 3,404 | 3,286 | 3.6 | 29 | 64 | 3,298 | 3,152 | -- | -- | 77 | 70 |
| East North Central..... | 16,106 | 16,857 | -4.5 | 11,748 | 12,894 | 4,022 | 3,813 | 30 | 16 | 306 | 135 |
| Illinois..... | 4,752 | 4,095 | 16.1 | 816 | 634 | 3,724 | 3,434 | 5 | -- | 208 | 27 |
| Indiana..... | 3,041 | 3,078 | -1.2 | 2,912 | 2,927 | 129 | 152 | -- | -- | -- | -- |
| Michigan..... | 3,342 | 3,255 | 2.7 | 3,269 | 3,216 | 33 | 24 | 25 | 16 | 15 | -- |
| Ohio..... | 2,905 | 3,582 | -18.9 | 2,753 | 3,355 | 128 | 203 | -- | -- | 24 | 24 |
| Wisconsin..... | 2,066 | 2,847 | -27.4 | 1,997 | 2,762 | 9 | -- | -- | -- | 59 | 85 |
| West North Central..... | 11,978 | 11,943 | .3 | 11,669 | 11,858 | 116 | -- | 15 | 16 | 178 | 68 |
| Iowa..... | 2,039 | 1,724 | 18.3 | 1,929 | 1,724 | -- | -- | -- | -- | 110 | -- |
| Kansas..... | 1,693 | 1,640 | 3.2 | 1,693 | 1,640 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 1,548 | 1,519 | 1.9 | 1,365 | 1,451 | 116 | -- | -- | -- | 68 | 68 |
| Missouri..... | 3,640 | 3,509 | 3.7 | 3,626 | 3,493 | -- | -- | 15 | 16 | -- | -- |
| Nebraska..... | 620 | 1,066 | -41.8 | 620 | 1,066 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 2,267 | 2,330 | -2.7 | 2,267 | 2,330 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | 170 | 154 | 10.4 | 170 | 154 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 13,117 | 12,042 | 8.9 | 10,469 | 9,407 | 2,427 | 2,490 | -- | -- | 221 | 144 |
| Delaware..... | 223 | 193 | 15.8 | -- | -- | 223 | 193 | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1,423 | 2,055 | -30.8 | 1,231 | 1,806 | 173 | 249 | -- | -- | 19 | -- |
| Georgia..... | 3,174 | 2,882 | 10.1 | 3,113 | 2,856 | -- | -- | -- | -- | 61 | 25 |
| Maryland..... | 1,004 | 981 | 2.3 | -- | -- | 1,004 | 981 | -- | -- | -- | -- |
| North Carolina..... | 2,828 | 1,166 | 142.6 | 2,613 | 994 | 148 | 129 | -- | -- | 67 | 42 |
| South Carolina..... | 732 | 865 | -15.3 | 718 | 845 | -- | -- | -- | -- | 14 | 20 |
| Virginia..... | 1,282 | 1,220 | 5.0 | 967 | 926 | 298 | 280 | -- | -- | 17 | 14 |
| West Virginia..... | 2,452 | 2,680 | -8.5 | 1,827 | 1,980 | 582 | 658 | -- | -- | 43 | 43 |
| East South Central..... | 8,954 | 9,338 | -4.1 | 8,189 | 8,581 | 625 | 619 | -- | -- | 140 | 138 |
| Alabama..... | 2,768 | 3,010 | -8.0 | 2,761 | 2,997 | 7 | 14 | -- | -- | -- | -- |
| Kentucky..... | 2,617 | 2,966 | -11.8 | 2,318 | 2,643 | 299 | 323 | -- | -- | -- | -- |
| Mississippi..... | 875 | 884 | -1.0 | 556 | 602 | 319 | 282 | -- | -- | -- | -- |
| Tennessee..... | 2,693 | 2,477 | 8.7 | 2,554 | 2,339 | -- | -- | -- | -- | 140 | 138 |
| West South Central..... | 10,717 | 11,099 | -3.4 | 6,322 | 6,244 | 4,136 | 4,597 | -- | -- | 258 | 258 |
| Arkansas..... | 1,255 | 1,297 | -3.3 | 1,255 | 1,297 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 1,047 | 815 | 28.4 | 413 | 339 | 634 | 476 | -- | -- | * | -- |
| Oklahoma..... | 1,725 | 1,784 | -3.3 | 1,612 | 1,639 | 65 | 93 | -- | -- | 48 | 52 |
| Texas..... | 6,690 | 7,203 | -7.1 | 3,043 | 2,968 | 3,437 | 4,028 | -- | -- | 210 | 206 |
| Mountain..... | 8,648 | 9,714 | -11.0 | 8,218 | 9,299 | 393 | 387 | -- | -- | 36 | 28 |
| Arizona..... | 1,518 | 1,565 | -3.0 | 1,482 | 1,537 | -- | -- | -- | -- | 36 | 28 |
| Colorado..... | 1,548 | 1,443 | 7.2 | 1,548 | 1,443 | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 903 | 987 | -8.5 | 556 | 600 | 347 | 387 | -- | -- | -- | -- |
| Nevada..... | 657 | 705 | -6.9 | 657 | 705 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 656 | 1,536 | -57.3 | 656 | 1,536 | -- | -- | -- | -- | -- | -- |
| Utah..... | 1,317 | 1,327 | -8 | 1,270 | 1,327 | 47 | -- | -- | -- | -- | -- |
| Wyoming..... | 2,049 | 2,151 | -4.7 | 2,049 | 2,151 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 699 | 1,042 | -32.9 | 167 | 223 | 477 | 786 | -- | -- | 55 | 32 |
| California..... | 118 | 87 | 35.9 | -- | -- | 63 | 54 | -- | -- | 55 | 32 |
| Oregon..... | 167 | 223 | -25.3 | 167 | 223 | -- | -- | -- | -- | -- | -- |
| Washington..... | 414 | 732 | -43.4 | -- | -- | 414 | 732 | -- | -- | -- | -- |
| Pacific Noncontiguous.. | 60 | 59 | 1.7 | -- | -- | 60 | 59 | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 60 | 59 | 1.7 | -- | -- | 60 | 59 | -- | -- | -- | -- |
| U.S. Total..... | 75,206 | 76,871 | -2.2 | 57,165 | 58,794 | 16,666 | 17,130 | 44 | 32 | 1,330 | 915 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

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

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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."

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|----------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 4,651 | 4,372 | 6.4 | 1,045 | 877 | 3,547 | 3,441 | -- | -- | 59 | 54 |
| Connecticut..... | 1,043 | 941 | 10.8 | -- | -- | 1,043 | 941 | -- | -- | -- | -- |
| Maine..... | 165 | 146 | 13.1 | -- | -- | 105 | 92 | -- | -- | 59 | 54 |
| Massachusetts..... | 2,503 | 2,549 | -1.8 | 104 | 141 | 2,398 | 2,408 | -- | -- | -- | -- |
| New Hampshire..... | 940 | 736 | 27.8 | 940 | 736 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 30,911 | 28,322 | 9.1 | 1,140 | 1,122 | 28,877 | 26,506 | -- | -- | 893 | 694 |
| New Jersey..... | 1,306 | 1,998 | -34.7 | 356 | 327 | 950 | 1,671 | -- | -- | -- | -- |
| New York..... | 5,592 | 5,455 | 2.5 | 426 | 390 | 4,777 | 4,695 | -- | -- | 389 | 369 |
| Pennsylvania..... | 24,013 | 20,869 | 15.1 | 358 | 405 | 23,150 | 20,139 | -- | -- | 505 | 325 |
| East North Central..... | 119,277 | 112,476 | 6.0 | 85,646 | 88,432 | 31,220 | 22,460 | 167 | 142 | 2,243 | 1,442 |
| Illinois..... | 36,356 | 25,622 | 41.9 | 5,429 | 4,170 | 29,269 | 20,478 | 38 | -- | 1,620 | 975 |
| Indiana..... | 26,350 | 28,026 | -6.0 | 25,308 | 27,172 | 1,042 | 854 | -- | -- | -- | -- |
| Michigan..... | 19,254 | 18,429 | 4.5 | 18,899 | 18,213 | 119 | 74 | 129 | 142 | 107 | -- |
| Ohio..... | 24,285 | 27,183 | -10.7 | 23,349 | 25,959 | 772 | 1,054 | -- | -- | 164 | 170 |
| Wisconsin..... | 13,032 | 13,216 | -1.4 | 12,663 | 12,918 | 18 | -- | -- | -- | 351 | 298 |
| West North Central..... | 80,212 | 76,426 | 5.0 | 78,824 | 75,826 | 487 | -- | 94 | 89 | 808 | 511 |
| Iowa..... | 12,969 | 12,011 | 8.0 | 12,296 | 11,636 | -- | -- | -- | -- | 673 | 375 |
| Kansas..... | 11,167 | 10,548 | 5.9 | 11,167 | 10,548 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 10,172 | 10,997 | -7.5 | 9,550 | 10,861 | 487 | -- | -- | -- | 135 | 136 |
| Missouri..... | 24,923 | 21,855 | 14.0 | 24,828 | 21,766 | -- | -- | 94 | 89 | -- | -- |
| Nebraska..... | 6,069 | 5,490 | 10.5 | 6,069 | 5,490 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 13,651 | 14,390 | -5.1 | 13,651 | 14,390 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | 1,262 | 1,135 | 11.2 | 1,262 | 1,135 | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 92,281 | 91,995 | .3 | 72,746 | 73,358 | 18,151 | 17,644 | -- | -- | 1,384 | 993 |
| Delaware..... | 1,312 | 1,045 | 25.6 | -- | -- | 1,312 | 1,045 | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 11,441 | 13,255 | -13.7 | 10,073 | 11,896 | 1,333 | 1,359 | -- | -- | 35 | -- |
| Georgia..... | 22,224 | 18,609 | 19.4 | 21,831 | 18,389 | -- | -- | -- | -- | 394 | 220 |
| Maryland..... | 7,133 | 6,267 | 13.8 | -- | -- | 7,133 | 6,267 | -- | -- | -- | -- |
| North Carolina..... | 14,756 | 15,574 | -5.3 | 13,506 | 14,458 | 811 | 857 | -- | -- | 439 | 258 |
| South Carolina..... | 7,363 | 7,084 | 3.9 | 7,239 | 6,955 | -- | -- | -- | -- | 124 | 129 |
| Virginia..... | 8,382 | 8,494 | -1.3 | 6,230 | 6,362 | 2,030 | 1,993 | -- | -- | 122 | 139 |
| West Virginia..... | 19,670 | 21,667 | -9.2 | 13,867 | 15,298 | 5,531 | 6,122 | -- | -- | 271 | 247 |
| East South Central..... | 62,931 | 59,989 | 4.9 | 57,901 | 55,483 | 3,974 | 3,498 | -- | -- | 1,057 | 1,008 |
| Alabama..... | 16,706 | 16,285 | 2.6 | 16,642 | 16,202 | 64 | 83 | -- | -- | -- | -- |
| Kentucky..... | 21,207 | 21,548 | -1.6 | 19,329 | 19,609 | 1,878 | 1,939 | -- | -- | -- | -- |
| Mississippi..... | 5,631 | 4,833 | 16.5 | 3,599 | 3,356 | 2,032 | 1,477 | -- | -- | -- | -- |
| Tennessee..... | 19,387 | 17,324 | 11.9 | 18,331 | 16,316 | -- | -- | -- | -- | 1,057 | 1,008 |
| West South Central..... | 69,347 | 69,153 | .3 | 41,412 | 42,557 | 26,240 | 24,927 | -- | -- | 1,695 | 1,669 |
| Arkansas..... | 7,940 | 7,472 | 6.3 | 7,940 | 7,472 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 5,915 | 5,606 | 5.5 | 2,472 | 3,496 | 3,430 | 2,102 | -- | -- | 13 | 8 |
| Oklahoma..... | 11,776 | 12,171 | -3.2 | 10,949 | 11,223 | 547 | 629 | -- | -- | 279 | 319 |
| Texas..... | 43,715 | 43,904 | -4 | 20,050 | 20,366 | 22,263 | 22,196 | -- | -- | 1,403 | 1,342 |
| Mountain..... | 59,025 | 58,667 | .6 | 56,063 | 56,128 | 2,717 | 2,327 | -- | -- | 245 | 212 |
| Arizona..... | 10,877 | 9,463 | 14.9 | 10,633 | 9,251 | -- | -- | -- | -- | 245 | 212 |
| Colorado..... | 11,097 | 10,640 | 4.3 | 11,097 | 10,640 | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 6,127 | 5,840 | 4.9 | 3,703 | 3,513 | 2,423 | 2,327 | -- | -- | -- | -- |
| Nevada..... | 3,678 | 4,994 | -26.4 | 3,678 | 4,994 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 7,057 | 7,638 | -7.6 | 7,057 | 7,638 | -- | -- | -- | -- | -- | -- |
| Utah..... | 7,918 | 8,113 | -2.4 | 7,624 | 8,113 | 294 | -- | -- | -- | -- | -- |
| Wyoming..... | 12,271 | 11,980 | 2.4 | 12,271 | 11,980 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 5,485 | 6,463 | -15.1 | 1,137 | 1,432 | 3,982 | 4,656 | -- | -- | 366 | 375 |
| California..... | 791 | 701 | 12.9 | -- | -- | 425 | 326 | -- | -- | 366 | 375 |
| Oregon..... | 1,137 | 1,432 | -20.6 | 1,137 | 1,432 | -- | -- | -- | -- | -- | -- |
| Washington..... | 3,557 | 4,330 | -17.9 | -- | -- | 3,557 | 4,330 | -- | -- | -- | -- |
| Pacific Noncontiguous.. | 353 | 418 | -15.6 | -- | -- | 353 | 418 | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 353 | 418 | -15.6 | -- | -- | 353 | 418 | -- | -- | -- | -- |
| U.S. Total..... | 524,473 | 508,282 | 3.2 | 395,914 | 395,216 | 119,548 | 105,876 | 261 | 231 | 8,750 | 6,958 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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."

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, July 2004 and 2003
(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|--------------|-----------------------------|--------------|--------------------------------|-----------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England..... | 1,386 | 1,175 | 18.0 | 458 | 275 | 848 | 890 | -- | -- | 80 | 10 |
| Connecticut..... | 266 | 301 | -11.6 | -- | -- | 266 | 301 | -- | -- | -- | -- |
| Maine..... | 82 | 221 | -62.8 | -- | -- | 2 | 212 | -- | -- | 80 | 10 |
| Massachusetts..... | 590 | 377 | 56.4 | 10 | * | 580 | 377 | -- | -- | -- | -- |
| New Hampshire..... | 447 | 275 | 62.7 | 447 | 275 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 3,820 | 2,524 | 51.3 | 1,277 | 88 | 2,540 | 2,430 | -- | -- | 3 | 6 |
| New Jersey..... | 175 | 66 | 165.3 | 119 | 9 | 56 | 56 | -- | -- | -- | -- |
| New York..... | 3,281 | 1,975 | 66.1 | 1,158 | 78 | 2,121 | 1,891 | -- | -- | 2 | 5 |
| Pennsylvania..... | 365 | 483 | -24.6 | * | * | 363 | 482 | -- | -- | 1 | 1 |
| East North Central..... | 205 | 480 | -57.4 | 184 | 187 | 9 | 291 | * | -- | 12 | 2 |
| Illinois..... | 8 | 293 | -97.2 | 2 | 3 | 6 | 290 | * | -- | -- | -- |
| Indiana..... | 8 | 7 | 15.4 | 3 | 6 | -- | -- | -- | -- | 5 | 1 |
| Michigan..... | 168 | 135 | 24.5 | 163 | 135 | -- | -- | -- | -- | 6 | -- |
| Ohio..... | 18 | 39 | -54.4 | 15 | 37 | 3 | 1 | -- | -- | * | * |
| Wisconsin..... | 2 | 6 | -66.4 | 1 | 5 | * | * | -- | -- | * | * |
| West North Central..... | 177 | 210 | -15.4 | 177 | 210 | * | -- | -- | -- | * | * |
| Iowa..... | 8 | 16 | -48.3 | 8 | 16 | -- | -- | -- | -- | -- | -- |
| Kansas..... | 150 | 186 | -19.3 | 150 | 186 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 11 | 2 | 387.8 | 11 | 2 | * | -- | -- | -- | * | * |
| Missouri..... | 7 | 4 | 70.0 | 7 | 4 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | * | * | -17.7 | * | * | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 1 | 1 | -47.1 | 1 | 1 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 7,075 | 7,940 | -10.9 | 6,082 | 6,929 | 867 | 830 | -- | * | 125 | 181 |
| Delaware..... | 20 | 375 | -94.7 | 9 | 30 | 6 | 323 | -- | -- | 5 | 22 |
| District of Columbia..... | 35 | 26 | 33.5 | -- | -- | 35 | 26 | -- | -- | -- | -- |
| Florida..... | 5,778 | 5,824 | -8 | 5,237 | 5,601 | 503 | 180 | -- | -- | 38 | 44 |
| Georgia..... | 28 | 10 | 190.8 | 27 | 9 | -- | * | -- | -- | 1 | 1 |
| Maryland..... | 289 | 248 | 16.8 | -- | -- | 289 | 248 | -- | -- | -- | -- |
| North Carolina..... | 41 | 64 | -36.5 | 20 | 36 | -- | 7 | -- | -- | 20 | 21 |
| South Carolina..... | 30 | 45 | -34.5 | 2 | 9 | -- | -- | -- | -- | 28 | 36 |
| Virginia..... | 831 | 1,295 | -35.8 | 767 | 1,201 | 31 | 42 | -- | * | 33 | 52 |
| West Virginia..... | 23 | 53 | -55.9 | 21 | 43 | 3 | 4 | -- | -- | -- | 5 |
| East South Central..... | 589 | 475 | 24.0 | 584 | 454 | 4 | 14 | -- | -- | 1 | 6 |
| Alabama..... | 8 | 18 | -55.7 | 7 | 12 | -- | -- | -- | -- | 1 | 6 |
| Kentucky..... | 19 | 24 | -20.6 | 15 | 10 | 4 | 14 | -- | -- | -- | -- |
| Mississippi..... | 547 | 413 | 32.4 | 547 | 413 | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 15 | 20 | -25.2 | 15 | 20 | -- | -- | -- | -- | -- | -- |
| West South Central..... | 81 | 472 | -82.8 | 12 | 234 | 13 | 185 | -- | -- | 57 | 53 |
| Arkansas..... | 2 | 10 | -76.2 | 2 | 10 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 26 | 194 | -86.7 | 5 | 174 | 1 | 3 | -- | -- | 19 | 17 |
| Oklahoma..... | -- | 48 | -100.0 | -- | 48 | -- | -- | -- | -- | -- | -- |
| Texas..... | 53 | 221 | -76.0 | 4 | 2 | 12 | 182 | -- | -- | 37 | 36 |
| Mountain..... | 17 | 20 | -14.8 | 15 | 16 | 2 | 4 | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | * | -100.0 | -- | * | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 5 | 8 | -35.0 | 3 | 5 | 2 | 3 | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 4 | 3 | 23.7 | 4 | 2 | -- | 1 | -- | -- | -- | -- |
| Utah..... | 2 | 2 | 12.9 | 2 | 2 | -- | -- | -- | -- | -- | -- |
| Wyoming..... | 6 | 7 | -14.3 | 6 | 7 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 74 | 144 | -48.9 | 7 | -- | 1 | * | -- | -- | 66 | 144 |
| California..... | 41 | 136 | -69.6 | -- | -- | 1 | -- | -- | -- | 40 | 136 |
| Oregon..... | 7 | -- | -- | 7 | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | 25 | 8 | 200.3 | -- | -- | -- | * | -- | -- | 25 | 8 |
| Pacific Noncontiguous.. | 199 | 186 | 7.1 | -- | -- | 199 | 186 | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 199 | 186 | 7.1 | -- | -- | 199 | 186 | -- | -- | -- | -- |
| U.S. Total..... | 13,622 | 13,625 | .0 | 8,796 | 8,393 | 4,483 | 4,830 | * | * | 343 | 403 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

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

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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."

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Thousand Barrels)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|---------------|----------------|---------------------------------|---------------|-----------------------------|---------------|--------------------------------|------------|--------------------------------|--------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 14,706 | 12,589 | 16.8 | 2,749 | 2,342 | 11,517 | 10,084 | 36 | 27 | 405 | 135 |
| Connecticut..... | 1,915 | 2,181 | -12.2 | -- | -- | 1,915 | 2,181 | -- | -- | -- | -- |
| Maine..... | 1,556 | 2,374 | -34.5 | -- | -- | 1,151 | 2,238 | -- | -- | 405 | 135 |
| Massachusetts..... | 9,024 | 6,613 | 36.5 | 629 | 920 | 8,359 | 5,665 | 36 | 27 | -- | -- |
| New Hampshire..... | 2,210 | 1,422 | 55.4 | 2,120 | 1,422 | 90 | -- | -- | -- | -- | -- |
| Rhode Island..... | 1 | -- | -- | -- | -- | 1 | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 27,543 | 29,598 | -6.9 | 8,188 | 12,782 | 19,252 | 16,706 | 1 | 15 | 101 | 95 |
| New Jersey..... | 792 | 2,709 | -70.7 | 430 | 322 | 363 | 2,382 | -- | -- | -- | 4 |
| New York..... | 22,636 | 21,641 | 4.6 | 7,757 | 12,458 | 14,834 | 9,099 | 1 | 15 | 43 | 68 |
| Pennsylvania..... | 4,114 | 5,248 | -21.6 | 1 | 1 | 4,055 | 5,224 | -- | -- | 58 | 23 |
| East North Central..... | 2,914 | 2,324 | 25.4 | 1,982 | 1,422 | 830 | 683 | 13 | -- | 89 | 219 |
| Illinois..... | 819 | 631 | 29.7 | 27 | 10 | 779 | 621 | 13 | -- | -- | -- |
| Indiana..... | 123 | 349 | -64.9 | 100 | 143 | -- | -- | -- | -- | 23 | 207 |
| Michigan..... | 1,065 | 1,009 | 5.5 | 1,013 | 1,009 | -- | -- | -- | -- | 52 | -- |
| Ohio..... | 858 | 278 | 208.8 | 817 | 220 | 31 | 47 | -- | -- | 10 | 11 |
| Wisconsin..... | 50 | 56 | -11.4 | 25 | 39 | 20 | 16 | -- | -- | 4 | 2 |
| West North Central..... | 1,003 | 921 | 8.8 | 999 | 921 | 3 | -- | -- | * | * | * |
| Iowa..... | 88 | 70 | 25.3 | 88 | 70 | -- | -- | -- | -- | -- | -- |
| Kansas..... | 773 | 750 | 3.1 | 773 | 750 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 58 | 31 | 85.1 | 54 | 31 | 3 | -- | -- | -- | * | * |
| Missouri..... | 52 | 44 | 17.8 | 52 | 43 | -- | -- | -- | * | -- | -- |
| Nebraska..... | 13 | 8 | 70.4 | 13 | 8 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 20 | 19 | 3.0 | 20 | 19 | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 34,930 | 34,742 | .5 | 28,665 | 28,044 | 5,168 | 5,238 | -- | 192 | 1,097 | 1,267 |
| Delaware..... | 960 | 1,894 | -49.3 | 124 | 105 | 691 | 1,437 | -- | -- | 145 | 353 |
| District of Columbia..... | 95 | 164 | -42.1 | -- | -- | 95 | 164 | -- | -- | -- | -- |
| Florida..... | 23,225 | 24,154 | -3.8 | 21,789 | 22,635 | 1,297 | 1,250 | -- | -- | 139 | 269 |
| Georgia..... | 280 | 159 | 76.6 | 164 | 92 | -- | 57 | -- | -- | 116 | 10 |
| Maryland..... | 1,513 | 1,411 | 7.2 | -- | -- | 1,513 | 1,411 | -- | -- | -- | -- |
| North Carolina..... | 366 | 605 | -39.5 | 151 | 357 | 45 | 106 | -- | -- | 170 | 143 |
| South Carolina..... | 323 | 279 | 15.6 | 47 | 55 | -- | -- | -- | -- | 276 | 224 |
| Virginia..... | 7,886 | 5,778 | 36.5 | 6,138 | 4,558 | 1,511 | 776 | -- | 192 | 237 | 252 |
| West Virginia..... | 282 | 298 | -5.1 | 253 | 243 | 17 | 37 | -- | -- | 12 | 17 |
| East South Central..... | 3,335 | 1,523 | 119.0 | 3,258 | 1,470 | 45 | 22 | -- | -- | 32 | 31 |
| Alabama..... | 107 | 107 | .1 | 75 | 77 | * | -- | -- | -- | 32 | 31 |
| Kentucky..... | 115 | 134 | -14.2 | 70 | 112 | 45 | 22 | -- | -- | -- | -- |
| Mississippi..... | 2,993 | 1,152 | 159.7 | 2,993 | 1,152 | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 119 | 129 | -7.3 | 119 | 129 | -- | -- | -- | -- | -- | -- |
| West South Central..... | 2,028 | 2,535 | -20.0 | 1,426 | 1,612 | 115 | 586 | -- | -- | 487 | 336 |
| Arkansas..... | 46 | 50 | -8.0 | 46 | 50 | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 1,552 | 1,517 | 2.3 | 1,310 | 1,422 | 12 | 17 | -- | -- | 229 | 78 |
| Oklahoma..... | 2 | 78 | -97.4 | 2 | 78 | -- | -- | -- | -- | -- | -- |
| Texas..... | 428 | 889 | -51.9 | 68 | 62 | 103 | 569 | -- | -- | 257 | 259 |
| Mountain..... | 175 | 263 | -33.5 | 152 | 214 | 11 | 46 | -- | -- | -- | 2 |
| Arizona..... | 33 | 29 | 13.9 | 21 | 26 | -- | -- | -- | -- | -- | 2 |
| Colorado..... | 5 | 20 | -73.8 | 5 | 10 | -- | 10 | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | 31 | 66 | -52.9 | 20 | 33 | 11 | 33 | -- | -- | -- | -- |
| Nevada..... | -- | 55 | -- | -- | 55 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 29 | 37 | -21.1 | 29 | 34 | -- | 3 | -- | -- | -- | -- |
| Utah..... | 24 | 19 | 28.0 | 24 | 19 | -- | -- | -- | -- | -- | -- |
| Wyoming..... | 52 | 37 | 41.5 | 52 | 37 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 258 | 361 | -28.5 | 7 | -- | 22 | * | -- | -- | 229 | 361 |
| California..... | 79 | 295 | -73.3 | -- | -- | 22 | -- | -- | -- | 57 | 295 |
| Oregon..... | 7 | -- | -- | 7 | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | 173 | 66 | 160.1 | -- | -- | * | * | -- | -- | 173 | 66 |
| Pacific Noncontiguous.. | 1,145 | 1,071 | 6.9 | -- | -- | 1,145 | 1,071 | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | 1,145 | 1,071 | 6.9 | -- | -- | 1,145 | 1,071 | -- | -- | -- | -- |
| U.S. Total..... | 88,037 | 85,926 | 2.5 | 47,426 | 48,807 | 38,120 | 34,438 | 50 | 236 | 2,441 | 2,447 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

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

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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."

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, July 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------|----------------|---------------------------------|------------|-----------------------------|------------|--------------------------------|----------|--------------------------------|-----------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 78 | 18 | 321.4 | -- | -- | 66 | 8 | -- | -- | 12 | 10 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 52 | 6 | 707.2 | -- | -- | 52 | 6 | -- | -- | -- | -- |
| Pennsylvania..... | 26 | 12 | 113.2 | -- | -- | 14 | 2 | -- | -- | 12 | 10 |
| East North Central..... | 52 | 49 | 5.8 | 40 | 36 | -- | -- | -- | -- | 13 | 14 |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | 6 | 20 | -67.7 | 6 | 20 | -- | -- | -- | -- | -- | -- |
| Michigan..... | 2 | 9 | -77.8 | 2 | 9 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 44 | 21 | 109.8 | 31 | 7 | -- | -- | -- | -- | 13 | 14 |
| West North Central..... | 25 | 27 | -8.0 | 25 | 27 | -- | -- | -- | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 25 | 21 | 15.8 | 25 | 21 | -- | -- | -- | -- | -- | -- |
| Missouri..... | -- | 5 | -100.0 | -- | 5 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 264 | 163 | 61.6 | 246 | 126 | -- | -- | -- | -- | 18 | 38 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 246 | 126 | 95.7 | 246 | 126 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 18 | 38 | -52.2 | -- | -- | -- | -- | -- | -- | 18 | 38 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 27 | 122 | -77.6 | -- | -- | 27 | 122 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 27 | 122 | -77.6 | -- | -- | 27 | 122 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 104 | 62 | 66.4 | -- | -- | 104 | 62 | -- | -- | -- | -- |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 59 | 62 | -5.3 | -- | -- | 59 | 62 | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 45 | -- | -- | -- | -- | 45 | -- | -- | -- | -- | -- |
| Mountain..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 19 | 21 | -11.8 | -- | -- | 19 | 21 | -- | -- | -- | -- |
| California..... | 19 | 21 | -11.8 | -- | -- | 19 | 21 | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 568 | 463 | 22.6 | 310 | 188 | 216 | 214 | -- | -- | 42 | 62 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

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."

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Thousand Tons)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|--------------|----------------|---------------------------------|--------------|-----------------------------|------------|--------------------------------|------|--------------------------------|------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 410 | 85 | 385.0 | -- | -- | 336 | 30 | -- | -- | 74 | 55 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 228 | 22 | 918.2 | -- | -- | 228 | 22 | -- | -- | -- | -- |
| Pennsylvania..... | 182 | 62 | 193.0 | -- | -- | 108 | 8 | -- | -- | 74 | 55 |
| East North Central..... | 288 | 247 | 16.8 | 208 | 161 | -- | -- | -- | -- | 81 | 86 |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | 80 | 41 | 97.3 | 80 | 41 | -- | -- | -- | -- | -- | -- |
| Michigan..... | 26 | 35 | -26.4 | 26 | 35 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 182 | 171 | 6.5 | 102 | 85 | -- | -- | -- | -- | 81 | 86 |
| West North Central..... | 99 | 145 | -31.8 | 99 | 145 | -- | -- | -- | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 99 | 140 | -29.1 | 99 | 140 | -- | -- | -- | -- | -- | -- |
| Missouri..... | -- | 5 | -- | -- | 5 | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 1,875 | 1,075 | 74.4 | 1,692 | 1,030 | -- | -- | -- | -- | 183 | 46 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1,692 | 1,030 | 64.4 | 1,692 | 1,030 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 183 | 46 | 300.3 | -- | -- | -- | -- | -- | -- | 183 | 46 |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 300 | 235 | 27.9 | -- | 9 | 300 | 226 | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 300 | 235 | 27.9 | -- | 9 | 300 | 226 | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 699 | 428 | 63.2 | -- | -- | 699 | 428 | -- | -- | -- | -- |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | 394 | 374 | 5.3 | -- | -- | 394 | 374 | -- | -- | -- | -- |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | 305 | 55 | 459.8 | -- | -- | 305 | 55 | -- | -- | -- | -- |
| Mountain..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 88 | 123 | -28.6 | -- | -- | 88 | 123 | -- | -- | -- | -- |
| California..... | 88 | 123 | -28.6 | -- | -- | 88 | 123 | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous.. | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 3,761 | 2,339 | 60.8 | 1,999 | 1,345 | 1,424 | 808 | -- | -- | 338 | 186 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

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Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

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Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, July 2004 and 2003
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|----------------|----------------|---------------------------------|----------------|-----------------------------|----------------|--------------------------------|--------------|--------------------------------|---------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England..... | 32,152 | 32,299 | -5 | 64 | 289 | 30,938 | 30,834 | -- | -- | 1,151 | 1,176 |
| Connecticut..... | 4,704 | 4,243 | 10.9 | -- | -- | 4,704 | 4,243 | -- | -- | -- | -- |
| Maine..... | 6,536 | 7,039 | -7.1 | -- | -- | 5,385 | 5,862 | -- | -- | 1,151 | 1,176 |
| Massachusetts..... | 15,702 | 17,645 | -11.0 | 64 | 289 | 15,638 | 17,356 | -- | -- | -- | -- |
| New Hampshire..... | 3,160 | -- | -- | -- | -- | 3,160 | -- | -- | -- | -- | -- |
| Rhode Island..... | 2,050 | 3,373 | -39.2 | -- | -- | 2,050 | 3,373 | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 42,368 | 40,184 | 5.4 | 4,388 | 1,958 | 35,788 | 36,684 | 64 | 96 | 2,129 | 1,447 |
| New Jersey..... | 10,171 | 11,279 | -9.8 | -- | 493 | 9,458 | 10,715 | -- | -- | 712 | 72 |
| New York..... | 22,496 | 21,758 | 3.4 | 4,388 | 1,465 | 17,607 | 19,757 | 64 | 96 | 438 | 440 |
| Pennsylvania..... | 9,701 | 7,147 | 35.7 | -- | -- | 8,722 | 6,212 | -- | -- | 979 | 935 |
| East North Central..... | 21,023 | 14,905 | 41.0 | 1,029 | 1,012 | 18,435 | 13,257 | 402 | 11 | 1,158 | 625 |
| Illinois..... | 5,643 | 4,694 | 20.2 | 8 | 4 | 4,673 | 4,363 | 392 | -- | 570 | 327 |
| Indiana..... | 1,078 | 1,034 | 4.3 | 170 | 35 | 631 | 871 | -- | -- | 278 | 128 |
| Michigan..... | 11,992 | 7,120 | 68.4 | 542 | 667 | 11,230 | 6,443 | 10 | 11 | 210 | -- |
| Ohio..... | 1,254 | 708 | 77.1 | 14 | 46 | 1,239 | 662 | -- | -- | * | -- |
| Wisconsin..... | 1,057 | 1,350 | -21.7 | 296 | 261 | 662 | 919 | -- | -- | 99 | 170 |
| West North Central..... | 4,368 | 6,289 | -30.5 | 3,026 | 4,167 | 1,338 | 2,118 | 2 | * | 3 | 4 |
| Iowa..... | 283 | 200 | 41.7 | 283 | 200 | -- | -- | -- | -- | -- | -- |
| Kansas..... | 1,023 | 1,389 | -26.4 | 1,023 | 1,389 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 872 | 1,305 | -33.1 | 544 | 718 | 326 | 582 | -- | -- | 3 | 4 |
| Missouri..... | 2,154 | 3,205 | -32.8 | 1,141 | 1,669 | 1,011 | 1,535 | 2 | * | -- | -- |
| Nebraska..... | 36 | 190 | -81.1 | 36 | 190 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 56,518 | 58,814 | -3.9 | 39,154 | 36,151 | 15,828 | 20,940 | -- | 35 | 1,535 | 1,689 |
| Delaware..... | 1,233 | 2,260 | -45.4 | 26 | 13 | 1,106 | 2,155 | -- | -- | 102 | 92 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 42,012 | 41,201 | 2.0 | 35,418 | 34,773 | 6,014 | 5,541 | -- | -- | 580 | 888 |
| Georgia..... | 4,966 | 7,243 | -31.4 | 1 | 1 | 4,664 | 7,064 | -- | -- | 301 | 178 |
| Maryland..... | 828 | 988 | -16.2 | -- | -- | 828 | 988 | -- | -- | -- | -- |
| North Carolina..... | 756 | 3,079 | -75.4 | 237 | 2 | 520 | 3,077 | -- | -- | -- | -- |
| South Carolina..... | 264 | 235 | 12.4 | -- | -- | 257 | 225 | -- | -- | 6 | 9 |
| Virginia..... | 6,106 | 3,278 | 86.3 | 3,473 | 1,362 | 2,367 | 1,584 | -- | 35 | 266 | 298 |
| West Virginia..... | 353 | 531 | -33.5 | -- | -- | 72 | 306 | -- | -- | 281 | 224 |
| East South Central..... | 26,624 | 11,681 | 127.9 | 9,428 | 6,655 | 16,560 | 3,995 | -- | -- | 636 | 1,031 |
| Alabama..... | 15,335 | 5,022 | 205.4 | 4,402 | 3,702 | 10,354 | 639 | -- | -- | 579 | 681 |
| Kentucky..... | 67 | 110 | -39.5 | 45 | 60 | 21 | 50 | -- | -- | -- | -- |
| Mississippi..... | 11,150 | 6,503 | 71.5 | 4,981 | 2,893 | 6,169 | 3,301 | -- | -- | -- | 309 |
| Tennessee..... | 73 | 46 | 59.1 | -- | -- | 15 | 5 | -- | -- | 58 | 41 |
| West South Central..... | 241,071 | 232,945 | 3.5 | 63,193 | 67,766 | 129,277 | 118,184 | 371 | 974 | 48,230 | 46,020 |
| Arkansas..... | 5,503 | 3,466 | 58.8 | 158 | 1,067 | 5,346 | 2,399 | -- | -- | -- | -- |
| Louisiana..... | 36,785 | 41,993 | -12.4 | 15,680 | 18,219 | 5,143 | 2,551 | -- | 577 | 15,962 | 20,645 |
| Oklahoma..... | 24,370 | 23,767 | 2.5 | 15,982 | 20,625 | 8,027 | 2,741 | -- | -- | 362 | 402 |
| Texas..... | 174,412 | 163,719 | 6.5 | 31,374 | 27,856 | 110,760 | 110,493 | 371 | 397 | 31,907 | 24,973 |
| Mountain..... | 52,803 | 43,265 | 22.0 | 18,329 | 21,351 | 34,295 | 21,909 | -- | -- | 179 | 5 |
| Arizona..... | 27,618 | 18,555 | 48.8 | 7,222 | 6,857 | 20,394 | 11,697 | -- | -- | 3 | 2 |
| Colorado..... | 6,723 | 7,251 | -7.3 | 2,621 | 3,396 | 4,102 | 3,854 | -- | -- | -- | -- |
| Idaho..... | 903 | 1,201 | -24.8 | -- | -- | 903 | 1,201 | -- | -- | -- | -- |
| Montana..... | 4 | 2 | 70.9 | 3 | * | 1 | 2 | -- | -- | -- | -- |
| Nevada..... | 12,727 | 11,049 | 15.2 | 4,428 | 6,613 | 8,299 | 4,437 | -- | -- | -- | -- |
| New Mexico..... | 4,399 | 4,391 | .2 | 3,625 | 3,845 | 598 | 542 | -- | -- | 176 | 4 |
| Utah..... | 421 | 810 | -48.0 | 421 | 633 | -- | 176 | -- | -- | -- | -- |
| Wyoming..... | 8 | 6 | 49.2 | 8 | 6 | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 102,900 | 80,626 | 27.6 | 15,393 | 13,499 | 78,493 | 59,187 | -- | -- | 9,014 | 7,940 |
| California..... | 87,357 | 67,838 | 28.8 | 12,560 | 12,399 | 66,357 | 48,171 | -- | -- | 8,440 | 7,267 |
| Oregon..... | 9,268 | 8,710 | 6.4 | 2,209 | 1,100 | 6,584 | 7,123 | -- | -- | 476 | 488 |
| Washington..... | 6,275 | 4,078 | 53.9 | 624 | -- | 5,553 | 3,893 | -- | -- | 98 | 185 |
| Pacific Noncontiguous.. | 1,162 | 1,308 | -11.1 | 1,162 | 1,308 | -- | -- | -- | -- | -- | -- |
| Alaska..... | 1,162 | 1,308 | -11.1 | 1,162 | 1,308 | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 580,989 | 522,316 | 11.2 | 155,165 | 154,156 | 360,951 | 307,107 | 838 | 1,115 | 64,034 | 59,937 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

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

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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.

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."

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Thousand Mcf)

| Census Division and State | Total (All Sectors) | | | Electric Power Sector | | | | Commercial Sector ¹ | | Industrial Sector ² | |
|--------------------------------|---------------------|------------------|----------------|---------------------------------|----------------|-----------------------------|------------------|--------------------------------|--------------|--------------------------------|----------------|
| | | | | Electric Utilities ³ | | Independent Power Producers | | | | | |
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 201,834 | 162,745 | 24.0 | 501 | 591 | 193,620 | 158,550 | -- | -- | 7,713 | 3,605 |
| Connecticut..... | 24,984 | 20,722 | 20.6 | -- | -- | 24,984 | 20,722 | -- | -- | -- | -- |
| Maine..... | 44,186 | 37,538 | 17.7 | -- | -- | 36,473 | 33,933 | -- | -- | 7,713 | 3,605 |
| Massachusetts..... | 96,467 | 76,009 | 26.9 | 501 | 591 | 95,966 | 75,418 | -- | -- | -- | -- |
| New Hampshire..... | 22,029 | -- | -- | -- | -- | 22,029 | -- | -- | -- | -- | -- |
| Rhode Island..... | 14,169 | 28,476 | -50.2 | -- | -- | 14,169 | 28,476 | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 219,633 | 194,402 | 13.0 | 17,968 | 13,445 | 187,803 | 169,480 | 1,285 | 941 | 12,578 | 10,536 |
| New Jersey..... | 49,055 | 64,739 | -24.2 | -- | 493 | 46,277 | 63,875 | -- | -- | 2,778 | 372 |
| New York..... | 122,078 | 103,578 | 17.9 | 17,968 | 12,952 | 99,805 | 87,202 | 1,285 | 941 | 3,020 | 2,482 |
| Pennsylvania..... | 48,501 | 26,085 | 85.9 | -- | -- | 41,720 | 18,403 | -- | -- | 6,780 | 7,681 |
| East North Central..... | 119,831 | 77,578 | 54.5 | 5,356 | 8,086 | 102,199 | 63,836 | 3,578 | 69 | 8,697 | 5,586 |
| Illinois..... | 24,675 | 17,515 | 40.9 | 128 | 119 | 16,543 | 14,040 | 3,508 | -- | 4,495 | 3,355 |
| Indiana..... | 11,690 | 4,129 | 183.1 | 764 | 510 | 9,244 | 2,641 | -- | -- | 1,682 | 978 |
| Michigan..... | 70,091 | 47,083 | 48.9 | 2,546 | 5,789 | 65,876 | 41,225 | 70 | 69 | 1,599 | -- |
| Ohio..... | 5,312 | 1,889 | 181.2 | 170 | 153 | 5,078 | 1,319 | -- | -- | 64 | 417 |
| Wisconsin..... | 8,063 | 6,961 | 15.8 | 1,749 | 1,514 | 5,457 | 4,611 | -- | -- | 857 | 837 |
| West North Central..... | 26,196 | 22,352 | 17.2 | 18,158 | 14,051 | 7,975 | 8,222 | 41 | 31 | 22 | 49 |
| Iowa..... | 1,562 | 2,456 | -36.4 | 1,562 | 1,485 | -- | 971 | -- | -- | -- | -- |
| Kansas..... | 4,194 | 4,550 | -7.8 | 4,194 | 4,550 | -- | -- | -- | -- | -- | -- |
| Minnesota..... | 5,691 | 5,215 | 9.1 | 2,858 | 1,664 | 2,810 | 3,503 | -- | -- | 22 | 49 |
| Missouri..... | 10,865 | 8,933 | 21.6 | 5,660 | 5,154 | 5,164 | 3,748 | 41 | 31 | -- | -- |
| Nebraska..... | 3,882 | 1,199 | 223.8 | 3,882 | 1,199 | -- | -- | -- | -- | -- | -- |
| North Dakota..... | 3 | * | NM | 3 | * | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 322,842 | 292,520 | 10.4 | 227,404 | 204,998 | 83,757 | 76,463 | -- | 64 | 11,681 | 10,994 |
| Delaware..... | 7,655 | 6,929 | 10.5 | 57 | 166 | 6,908 | 6,189 | -- | -- | 690 | 573 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 255,896 | 235,192 | 8.8 | 214,628 | 199,067 | 37,508 | 29,838 | -- | -- | 3,760 | 6,287 |
| Georgia..... | 20,952 | 15,220 | 37.7 | 37 | 3 | 18,714 | 14,189 | -- | -- | 2,201 | 1,028 |
| Maryland..... | 4,111 | 4,821 | -14.7 | -- | -- | 4,111 | 4,821 | -- | -- | -- | -- |
| North Carolina..... | 3,496 | 10,714 | -67.4 | 436 | 79 | 3,059 | 10,635 | -- | -- | -- | -- |
| South Carolina..... | 1,647 | 973 | 69.2 | -- | * | 1,598 | 919 | -- | -- | 49 | 55 |
| Virginia..... | 25,211 | 16,672 | 51.2 | 12,241 | 5,584 | 10,830 | 8,944 | -- | 64 | 2,140 | 2,080 |
| West Virginia..... | 3,875 | 1,998 | 94.0 | 5 | 98 | 1,029 | 928 | -- | -- | 2,841 | 971 |
| East South Central..... | 128,475 | 74,191 | 73.2 | 61,452 | 53,912 | 62,477 | 12,240 | -- | 1 | 4,545 | 8,038 |
| Alabama..... | 75,739 | 35,084 | 115.9 | 36,098 | 27,333 | 35,461 | 2,961 | -- | -- | 4,180 | 4,790 |
| Kentucky..... | 466 | 711 | -34.5 | 311 | 426 | 155 | 284 | -- | 1 | -- | -- |
| Mississippi..... | 51,861 | 38,094 | 36.1 | 25,043 | 26,153 | 26,818 | 8,893 | -- | -- | -- | 3,049 |
| Tennessee..... | 409 | 301 | 35.8 | -- | -- | 44 | 102 | -- | -- | 366 | 199 |
| West South Central..... | 1,303,326 | 1,239,737 | 5.1 | 291,446 | 314,903 | 675,166 | 601,141 | 3,003 | 5,290 | 333,711 | 318,403 |
| Arkansas..... | 24,282 | 25,417 | -4.5 | 1,344 | 2,713 | 22,938 | 22,704 | -- | -- | -- | -- |
| Louisiana..... | 229,392 | 243,576 | -5.8 | 75,487 | 93,486 | 27,932 | 16,836 | -- | 2,702 | 125,973 | 130,553 |
| Oklahoma..... | 118,793 | 86,786 | 36.9 | 75,052 | 75,164 | 40,641 | 8,445 | -- | -- | 3,100 | 3,177 |
| Texas..... | 930,858 | 883,958 | 5.3 | 139,564 | 143,540 | 583,654 | 553,156 | 3,003 | 2,589 | 204,638 | 184,673 |
| Mountain..... | 240,704 | 177,495 | 35.6 | 78,212 | 89,208 | 162,122 | 86,809 | -- | -- | 368 | 1,478 |
| Arizona..... | 122,169 | 62,720 | 94.8 | 21,754 | 19,584 | 100,335 | 43,053 | -- | -- | 81 | 82 |
| Colorado..... | 32,481 | 35,896 | -9.5 | 16,972 | 23,835 | 15,509 | 12,061 | -- | -- | -- | -- |
| Idaho..... | 5,180 | 3,520 | 47.1 | -- | -- | 5,180 | 3,520 | -- | -- | -- | -- |
| Montana..... | 13 | 10 | 35.6 | 6 | 4 | 7 | 5 | -- | -- | -- | -- |
| Nevada..... | 59,918 | 51,825 | 15.6 | 22,719 | 27,746 | 37,199 | 24,079 | -- | -- | -- | -- |
| New Mexico..... | 20,378 | 19,765 | 3.1 | 16,199 | 15,990 | 3,892 | 3,767 | -- | -- | 287 | 9 |
| Utah..... | 475 | 2,305 | -79.4 | 473 | 1,981 | -- | 324 | -- | -- | -- | -- |
| Wyoming..... | 90 | 1,455 | -93.8 | 90 | 68 | -- | -- | -- | -- | -- | 1,387 |
| Pacific Contiguous..... | 486,247 | 364,621 | 33.4 | 61,675 | 57,244 | 349,823 | 256,162 | -- | -- | 74,750 | 51,216 |
| California..... | 413,929 | 312,665 | 32.4 | 53,152 | 53,041 | 290,767 | 213,416 | -- | -- | 70,010 | 46,208 |
| Oregon..... | 47,275 | 36,977 | 27.9 | 7,899 | 4,203 | 35,321 | 29,157 | -- | -- | 4,055 | 3,617 |
| Washington..... | 25,043 | 14,980 | 67.2 | 624 | -- | 23,735 | 13,589 | -- | -- | 685 | 1,391 |
| Pacific Noncontiguous.. | 11,417 | 12,028 | -5.1 | 11,417 | 12,028 | -- | -- | -- | -- | -- | -- |
| Alaska..... | 11,417 | 12,028 | -5.1 | 11,417 | 12,028 | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 3,060,505 | 2,617,669 | 16.9 | 773,590 | 768,466 | 1,824,944 | 1,432,903 | 7,906 | 6,396 | 454,065 | 409,904 |

¹ Commercial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of commercial electricity-only plants.

² Industrial combined-heat-and-power (CHP) plants with NAICS other than 22; includes a small number of industrial electricity-only plants.

³ Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

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

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

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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.

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."

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|--------------------------------|------------------------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England..... | W | W | W | 2.42 | 1.66 | W | W |
| Connecticut..... | W | W | W | -- | -- | W | W |
| Maine..... | W | W | W | -- | -- | W | W |
| Massachusetts..... | 1.71 | W | W | 2.52 | -- | 1.54 | W |
| New Hampshire..... | 2.41 | 1.66 | 45.2 | 2.41 | 1.66 | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 1.48 | 1.32 | 12.0 | 1.94 | 1.49 | 1.46 | 1.31 |
| New Jersey..... | 2.18 | 1.89 | 15.3 | 2.61 | 2.32 | 2.02 | 1.83 |
| New York..... | 1.81 | 1.61 | 12.4 | 1.55 | 1.47 | 1.84 | 1.62 |
| Pennsylvania..... | 1.35 | 1.22 | 10.7 | 1.21 | 1.21 | 1.35 | 1.22 |
| East North Central..... | 1.26 | 1.25 | 1.0 | 1.28 | 1.24 | 1.20 | 1.25 |
| Illinois..... | 1.15 | 1.15 | .0 | 1.11 | 1.05 | 1.16 | 1.17 |
| Indiana..... | W | W | W | 1.25 | 1.18 | W | W |
| Michigan..... | W | W | W | 1.38 | 1.35 | W | W |
| Ohio..... | W | W | W | 1.30 | 1.19 | W | W |
| Wisconsin..... | W | 1.32 | W | 1.18 | 1.32 | W | -- |
| West North Central..... | W | .91 | W | .92 | .91 | W | -- |
| Iowa..... | .91 | .90 | 1.1 | .91 | .90 | -- | -- |
| Kansas..... | 1.05 | 1.03 | 1.9 | 1.05 | 1.03 | -- | -- |
| Minnesota..... | W | 1.08 | W | 1.07 | 1.08 | W | -- |
| Missouri..... | .92 | .93 | -1.1 | .92 | .93 | -- | -- |
| Nebraska..... | .65 | .61 | 6.6 | .65 | .61 | -- | -- |
| North Dakota..... | .73 | .74 | -1.4 | .73 | .74 | -- | -- |
| South Dakota..... | 1.38 | 1.34 | 3.0 | 1.38 | 1.34 | -- | -- |
| South Atlantic..... | 1.81 | 1.63 | 11.3 | 1.81 | 1.63 | 1.81 | 1.63 |
| Delaware..... | W | W | W | -- | -- | W | W |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1.81 | 1.83 | -1.1 | 1.76 | 1.76 | 2.20 | 2.27 |
| Georgia..... | 1.80 | 1.77 | 1.7 | 1.80 | 1.77 | -- | -- |
| Maryland..... | 1.93 | 1.61 | 19.9 | -- | -- | 1.93 | 1.61 |
| North Carolina..... | W | W | W | 2.04 | 1.82 | W | W |
| South Carolina..... | 1.93 | 1.61 | 19.9 | 1.93 | 1.61 | -- | -- |
| Virginia..... | 1.97 | 1.60 | 23.1 | 1.97 | 1.50 | 1.98 | 1.93 |
| West Virginia..... | 1.35 | 1.25 | 8.0 | 1.41 | 1.29 | 1.13 | 1.14 |
| East South Central..... | 1.42 | 1.35 | 5.3 | 1.43 | 1.36 | 1.29 | 1.16 |
| Alabama..... | W | W | W | 1.51 | 1.49 | W | W |
| Kentucky..... | 1.36 | 1.22 | 11.5 | 1.39 | 1.24 | 1.13 | 1.04 |
| Mississippi..... | W | W | W | 1.64 | 1.58 | W | W |
| Tennessee..... | 1.33 | 1.27 | 4.7 | 1.33 | 1.27 | -- | -- |
| West South Central..... | 1.16 | 1.19 | -2.6 | 1.16 | 1.15 | 1.15 | 1.26 |
| Arkansas..... | 1.23 | 1.16 | 6.0 | 1.23 | 1.16 | -- | -- |
| Louisiana..... | W | W | W | 1.21 | 1.34 | W | W |
| Oklahoma..... | W | W | W | 1.03 | .99 | W | W |
| Texas..... | 1.16 | 1.21 | -4.1 | 1.20 | 1.21 | 1.11 | 1.20 |
| Mountain..... | 1.06 | 1.06 | .4 | 1.08 | 1.07 | .66 | .64 |
| Arizona..... | 1.18 | 1.21 | -2.5 | 1.18 | 1.21 | -- | -- |
| Colorado..... | .97 | .98 | -1.0 | .97 | .98 | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | W | W | W | .68 | .66 | W | W |
| Nevada..... | 1.32 | 1.33 | -.8 | 1.32 | 1.33 | -- | -- |
| New Mexico..... | 1.79 | 1.39 | 28.8 | 1.79 | 1.39 | -- | -- |
| Utah..... | W | 1.05 | W | 1.06 | 1.05 | W | -- |
| Wyoming..... | .86 | .82 | 4.9 | .86 | .82 | -- | -- |
| Pacific Contiguous..... | 1.55 | 1.45 | 6.8 | 1.21 | 1.19 | 1.64 | 1.51 |
| California..... | 1.87 | 1.81 | 3.3 | -- | -- | 1.87 | 1.81 |
| Oregon..... | 1.21 | 1.19 | 1.7 | 1.21 | 1.19 | -- | -- |
| Washington..... | W | W | W | -- | -- | W | W |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | W | W | W | -- | -- | W | W |
| U.S. Total..... | 1.34 | 1.27 | 5.5 | 1.33 | 1.25 | 1.40 | 1.35 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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."

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|---------------------------------|------------------------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 |
| New England | 2.02 | 1.89 | 6.5 | 1.96 | 1.75 | 2.04 | 1.94 |
| Connecticut..... | W | W | W | -- | -- | W | W |
| Maine..... | W | W | W | -- | -- | W | W |
| Massachusetts..... | 1.89 | W | W | 2.42 | 2.21 | 1.87 | W |
| New Hampshire..... | 1.91 | 1.66 | 15.1 | 1.91 | 1.66 | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.39 | 1.34 | 3.6 | 1.65 | 2.06 | 1.38 | 1.31 |
| New Jersey..... | 1.98 | 2.12 | -6.6 | 2.23 | 3.76 | 1.88 | 1.79 |
| New York..... | 1.69 | 1.59 | 6.3 | 1.53 | 1.49 | 1.70 | 1.60 |
| Pennsylvania..... | 1.29 | 1.20 | 7.5 | 1.21 | 1.21 | 1.29 | 1.20 |
| East North Central | 1.22 | 1.21 | 1.2 | 1.24 | 1.21 | 1.16 | 1.22 |
| Illinois..... | 1.14 | 1.14 | .0 | 1.13 | 1.12 | 1.14 | 1.15 |
| Indiana..... | W | W | W | 1.18 | 1.19 | W | W |
| Michigan..... | W | W | W | 1.36 | 1.34 | W | W |
| Ohio..... | W | W | W | 1.28 | 1.19 | W | W |
| Wisconsin..... | W | 1.13 | W | 1.13 | 1.13 | W | -- |
| West North Central | W | .91 | W | .90 | .91 | W | -- |
| Iowa..... | .89 | .88 | 1.1 | .89 | .88 | -- | -- |
| Kansas..... | 1.03 | 1.04 | -1.0 | 1.03 | 1.04 | -- | -- |
| Minnesota..... | W | 1.08 | W | 1.05 | 1.08 | W | -- |
| Missouri..... | .91 | .91 | .0 | .91 | .91 | -- | -- |
| Nebraska..... | .62 | .60 | 3.3 | .62 | .60 | -- | -- |
| North Dakota..... | .75 | .74 | 1.4 | .75 | .74 | -- | -- |
| South Dakota..... | 1.36 | 1.35 | .7 | 1.36 | 1.35 | -- | -- |
| South Atlantic | 1.73 | 1.60 | 7.8 | 1.75 | 1.60 | 1.66 | 1.59 |
| Delaware..... | W | W | W | -- | -- | W | W |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1.86 | 1.79 | 3.9 | 1.82 | 1.75 | 2.16 | 2.15 |
| Georgia..... | 1.76 | 1.72 | 2.3 | 1.76 | 1.72 | -- | -- |
| Maryland..... | 1.71 | 1.65 | 3.6 | -- | -- | 1.71 | 1.65 |
| North Carolina..... | W | W | W | 1.96 | 1.73 | W | W |
| South Carolina..... | 1.85 | 1.59 | 16.4 | 1.85 | 1.59 | -- | -- |
| Virginia..... | 1.82 | 1.62 | 12.3 | 1.76 | 1.50 | 2.00 | 2.00 |
| West Virginia..... | 1.33 | 1.25 | 6.4 | 1.40 | 1.28 | 1.15 | 1.16 |
| East South Central | 1.37 | 1.31 | 4.2 | 1.37 | 1.32 | 1.23 | 1.13 |
| Alabama..... | W | W | W | 1.48 | 1.48 | W | W |
| Kentucky..... | 1.29 | 1.20 | 7.5 | 1.31 | 1.22 | 1.05 | 1.01 |
| Mississippi..... | W | W | W | 1.67 | 1.57 | W | W |
| Tennessee..... | 1.29 | 1.24 | 4.0 | 1.29 | 1.24 | -- | -- |
| West South Central | 1.19 | 1.22 | -2.6 | 1.15 | 1.13 | 1.27 | 1.41 |
| Arkansas..... | 1.21 | 1.11 | 9.0 | 1.21 | 1.11 | -- | -- |
| Louisiana..... | W | W | W | 1.20 | 1.34 | W | W |
| Oklahoma..... | W | W | W | 1.00 | .95 | W | W |
| Texas..... | 1.23 | 1.31 | -6.1 | 1.21 | 1.20 | 1.26 | 1.42 |
| Mountain | W | W | W | 1.11 | 1.09 | W | W |
| Arizona..... | 1.27 | 1.26 | .8 | 1.27 | 1.26 | -- | -- |
| Colorado..... | .97 | .97 | .0 | .97 | .97 | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | W | W | W | .63 | .64 | W | W |
| Nevada..... | 1.36 | 1.45 | -6.2 | 1.36 | 1.45 | -- | -- |
| New Mexico..... | 1.56 | 1.48 | 5.4 | 1.56 | 1.48 | -- | -- |
| Utah..... | W | 1.02 | W | 1.14 | 1.02 | W | -- |
| Wyoming..... | .85 | .79 | 7.6 | .85 | .79 | -- | -- |
| Pacific Contiguous | 1.47 | 1.50 | -2.0 | 1.18 | 1.25 | 1.54 | 1.56 |
| California..... | 1.95 | 1.83 | 6.6 | -- | -- | 1.95 | 1.83 |
| Oregon..... | 1.18 | 1.25 | -5.6 | 1.18 | 1.25 | -- | -- |
| Washington..... | W | W | W | -- | -- | W | W |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | W | W | W | -- | -- | W | W |
| U.S. Total | 1.31 | 1.28 | 2.3 | 1.29 | 1.25 | 1.37 | 1.38 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

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."

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|---------------------------------|------------------------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England | 4.77 | 4.46 | 7.1 | 4.34 | 3.99 | 5.01 | 4.60 |
| Connecticut..... | W | 5.14 | W | -- | -- | W | 5.14 |
| Maine..... | W | W | W | -- | -- | W | W |
| Massachusetts..... | 4.87 | W | W | 5.00 | 6.19 | 4.86 | W |
| New Hampshire..... | 4.32 | 3.99 | 8.3 | 4.32 | 3.99 | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 5.04 | 5.12 | -1.6 | 4.23 | 3.25 | 5.44 | 5.19 |
| New Jersey..... | 4.81 | 5.88 | -18.2 | 3.58 | 5.05 | 8.10 | 6.03 |
| New York..... | 5.04 | 5.07 | -6 | 4.30 | 3.03 | 5.44 | 5.16 |
| Pennsylvania..... | 5.12 | 5.22 | -1.9 | 8.23 | 6.09 | 5.12 | 5.22 |
| East North Central | 5.90 | 5.05 | 16.9 | 5.78 | 4.97 | 8.70 | 5.09 |
| Illinois..... | 9.08 | W | W | 9.96 | 6.75 | 8.83 | W |
| Indiana..... | 8.12 | 6.04 | 34.4 | 8.12 | 6.04 | -- | -- |
| Michigan..... | 5.46 | 4.59 | 19.0 | 5.46 | 4.59 | -- | -- |
| Ohio..... | W | W | W | 8.33 | 5.97 | W | W |
| Wisconsin..... | W | W | W | 7.50 | 6.21 | W | W |
| West North Central | W | 3.96 | W | 4.76 | 3.96 | W | -- |
| Iowa..... | 8.66 | 6.47 | 33.8 | 8.66 | 6.47 | -- | -- |
| Kansas..... | 4.32 | 3.68 | 17.4 | 4.32 | 3.68 | -- | -- |
| Minnesota..... | W | 6.64 | W | 6.32 | 6.64 | W | -- |
| Missouri..... | 7.98 | 6.17 | 29.3 | 7.98 | 6.17 | -- | -- |
| Nebraska..... | 8.47 | 6.95 | 21.9 | 8.47 | 6.95 | -- | -- |
| North Dakota..... | 9.08 | 6.71 | 35.3 | 9.08 | 6.71 | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 4.85 | 4.74 | 2.4 | 4.76 | 4.69 | 5.41 | 5.12 |
| Delaware..... | W | W | W | 5.05 | 5.00 | W | W |
| District of Columbia..... | W | W | W | -- | -- | W | W |
| Florida..... | 4.78 | 4.68 | 2.1 | 4.73 | 4.65 | 5.24 | 5.63 |
| Georgia..... | 5.89 | W | W | 5.89 | 6.50 | -- | W |
| Maryland..... | 5.14 | 4.99 | 3.0 | -- | -- | 5.14 | 4.99 |
| North Carolina..... | 8.00 | 6.02 | 32.9 | 8.00 | 6.00 | -- | 6.09 |
| South Carolina..... | 8.08 | 6.08 | 32.9 | 8.08 | 6.08 | -- | -- |
| Virginia..... | W | W | W | 4.78 | 4.78 | W | W |
| West Virginia..... | 8.51 | 6.32 | 34.7 | 8.51 | 6.31 | 8.56 | 6.38 |
| East South Central | W | W | W | 4.73 | 4.32 | W | W |
| Alabama..... | 7.85 | 5.62 | 39.7 | 7.85 | 5.62 | -- | -- |
| Kentucky..... | W | W | W | 8.26 | 5.95 | W | W |
| Mississippi..... | 4.53 | 4.19 | 8.1 | 4.53 | 4.19 | -- | -- |
| Tennessee..... | 7.90 | 5.89 | 34.1 | 7.90 | 5.89 | -- | -- |
| West South Central | 7.58 | 5.47 | 38.6 | 7.39 | 5.19 | 7.74 | 5.83 |
| Arkansas..... | 7.10 | 6.69 | 6.1 | 7.10 | 6.69 | -- | -- |
| Louisiana..... | W | W | W | 7.26 | 5.22 | W | W |
| Oklahoma..... | -- | 4.80 | -100.0 | -- | 4.80 | -- | -- |
| Texas..... | W | W | W | 7.72 | 5.67 | W | W |
| Mountain | W | 7.04 | W | 9.27 | 7.09 | W | 6.80 |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | 9.00 | -100.0 | -- | 9.00 | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | W | W | W | 8.93 | 6.95 | W | W |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | 9.11 | W | W | 9.11 | 6.72 | -- | W |
| Utah..... | 8.80 | 7.50 | 17.3 | 8.80 | 7.50 | -- | -- |
| Wyoming..... | 9.73 | 7.14 | 36.3 | 9.73 | 7.14 | -- | -- |
| Pacific Contiguous | 6.76 | 5.72 | 18.2 | 9.52 | -- | 6.66 | 5.72 |
| California..... | W | -- | W | -- | -- | W | -- |
| Oregon..... | 9.52 | -- | -- | 9.52 | -- | -- | -- |
| Washington..... | -- | W | W | -- | -- | -- | W |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | W | W | W | -- | -- | W | W |
| U.S. Total | 4.94 | 4.81 | 2.7 | 4.70 | 4.64 | 5.42 | 5.11 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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."

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|---------------------------------|------------------------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 |
| New England | 4.65 | 5.00 | -7.1 | 4.78 | 4.68 | 4.61 | 5.07 |
| Connecticut..... | 5.58 | 5.40 | 3.3 | -- | -- | 5.58 | 5.40 |
| Maine..... | W | W | W | -- | -- | W | W |
| Massachusetts..... | 4.53 | 4.93 | -8.1 | 7.67 | 6.14 | 4.31 | 4.73 |
| New Hampshire..... | W | 3.75 | W | 4.00 | 3.75 | W | -- |
| Rhode Island..... | W | -- | W | -- | -- | W | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 4.95 | 5.36 | -7.7 | 4.17 | 4.22 | 5.29 | 6.26 |
| New Jersey..... | 5.20 | 6.30 | -17.5 | 3.19 | 3.28 | 7.95 | 6.76 |
| New York..... | 4.93 | 5.22 | -5.6 | 4.22 | 4.24 | 5.31 | 6.58 |
| Pennsylvania..... | 5.01 | 5.51 | -9.1 | 7.87 | 4.84 | 5.01 | 5.51 |
| East North Central | 5.44 | 5.40 | .6 | 5.43 | 5.24 | 5.45 | 5.73 |
| Illinois..... | W | 5.58 | W | 7.95 | 7.18 | W | 5.56 |
| Indiana..... | 7.48 | 6.73 | 11.1 | 7.48 | 6.73 | -- | -- |
| Michigan..... | 5.18 | 4.79 | 8.1 | 5.18 | 4.79 | -- | -- |
| Ohio..... | W | W | W | 5.35 | 6.14 | W | W |
| Wisconsin..... | W | W | W | 7.90 | 6.71 | W | W |
| West North Central | W | 3.99 | W | 4.59 | 3.99 | W | -- |
| Iowa..... | 7.32 | 6.80 | 7.6 | 7.32 | 6.80 | -- | -- |
| Kansas..... | 3.95 | 3.48 | 13.5 | 3.95 | 3.48 | -- | -- |
| Minnesota..... | W | 5.84 | W | 6.18 | 5.84 | W | -- |
| Missouri..... | 7.63 | 6.42 | 18.8 | 7.63 | 6.42 | -- | -- |
| Nebraska..... | 6.30 | 6.34 | -6 | 6.30 | 6.34 | -- | -- |
| North Dakota..... | 7.69 | 6.94 | 10.8 | 7.69 | 6.94 | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 4.81 | 4.95 | -2.9 | 4.62 | 4.83 | 5.88 | 5.68 |
| Delaware..... | W | W | W | 5.32 | 6.00 | W | W |
| District of Columbia..... | W | W | W | -- | -- | W | W |
| Florida..... | W | 4.70 | W | 4.52 | 4.70 | W | 4.80 |
| Georgia..... | 6.27 | 6.98 | -10.2 | 6.27 | 6.65 | -- | 7.51 |
| Maryland..... | 5.38 | 5.25 | 2.5 | -- | -- | 5.38 | 5.25 |
| North Carolina..... | W | W | W | 7.43 | 6.60 | W | W |
| South Carolina..... | 7.70 | 6.79 | 13.4 | 7.70 | 6.79 | -- | -- |
| Virginia..... | W | 5.27 | W | 4.74 | 5.13 | W | 6.17 |
| West Virginia..... | 7.74 | 7.16 | 8.1 | 7.72 | 7.13 | 8.06 | 7.31 |
| East South Central | 4.70 | 4.31 | 9.1 | 4.67 | 4.28 | 7.29 | 7.14 |
| Alabama..... | W | 5.58 | W | 7.11 | 5.58 | W | -- |
| Kentucky..... | W | W | W | 7.78 | 6.97 | W | W |
| Mississippi..... | 4.46 | 3.74 | 19.3 | 4.46 | 3.74 | -- | -- |
| Tennessee..... | 7.29 | 6.51 | 12.0 | 7.29 | 6.51 | -- | -- |
| West South Central | 4.81 | 6.06 | -20.5 | 4.66 | 6.05 | 7.01 | 6.07 |
| Arkansas..... | 6.99 | 6.34 | 10.3 | 6.99 | 6.34 | -- | -- |
| Louisiana..... | W | W | W | 4.52 | 6.01 | W | W |
| Oklahoma..... | 8.25 | 5.59 | 47.6 | 8.25 | 5.59 | -- | -- |
| Texas..... | W | W | W | 6.02 | 7.86 | W | W |
| Mountain | W | W | W | 8.41 | 7.10 | W | W |
| Arizona..... | 7.24 | 8.20 | -11.7 | 6.25 | 8.20 | -- | -- |
| Colorado..... | 11.05 | W | W | 11.05 | 9.75 | -- | W |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | W | W | W | 8.96 | 7.46 | W | W |
| Nevada..... | -- | 5.42 | -- | -- | 5.42 | -- | -- |
| New Mexico..... | 8.75 | W | W | 8.75 | 7.67 | -- | W |
| Utah..... | 8.09 | 7.54 | 7.3 | 8.09 | 7.54 | -- | -- |
| Wyoming..... | 8.80 | 7.07 | 24.5 | 8.80 | 7.07 | -- | -- |
| Pacific Contiguous | 6.61 | 6.02 | 9.8 | 9.52 | -- | 6.60 | 6.02 |
| California..... | W | -- | W | -- | -- | W | -- |
| Oregon..... | 9.52 | -- | -- | 9.52 | -- | -- | -- |
| Washington..... | W | W | W | -- | -- | W | W |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | W | W | W | -- | -- | W | W |
| U.S. Total | 4.87 | 5.14 | -5.3 | 4.60 | 4.69 | 5.21 | 5.80 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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."

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|---------------------------------|------------------------------------|-------------|----------------|---------------------------------|------------|-----------------------------|-------------|
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.13 | .88 | 28.8 | -- | -- | 1.13 | .88 |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- |
| New York..... | W | W | W | -- | -- | W | W |
| Pennsylvania..... | W | W | W | -- | -- | W | W |
| East North Central | .73 | .85 | -15.1 | .73 | .85 | -- | -- |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | .95 | .91 | 4.4 | .95 | .91 | -- | -- |
| Michigan..... | .86 | .87 | -1.1 | .86 | .87 | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | .67 | .68 | -1.5 | .67 | .68 | -- | -- |
| West North Central | .42 | .53 | -21.3 | .42 | .53 | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | .42 | .50 | -16.0 | .42 | .50 | -- | -- |
| Missouri..... | -- | .66 | -100.0 | -- | .66 | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 1.04 | .85 | 22.4 | 1.04 | .85 | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1.04 | .85 | 22.4 | 1.04 | .85 | -- | -- |
| 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 | .27 | W | W | -- | -- | .27 | W |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | W | W | W | -- | -- | W | W |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | W | -- | W | -- | -- | W | -- |
| Mountain | -- | -- | -- | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | W | 1.18 | W | -- | -- | W | 1.18 |
| California..... | W | 1.18 | W | -- | -- | W | 1.18 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | .84 | .74 | 13.5 | .95 | .81 | .67 | .69 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

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."

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|---------------------------------|------------------------------------|-------------|----------------|---------------------------------|------------|-----------------------------|-------------|
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 |
| New England | -- | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 1.07 | W | W | -- | -- | 1.07 | W |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 1.17 | W | W | -- | -- | 1.17 | W |
| Pennsylvania..... | .85 | W | W | -- | -- | .85 | W |
| East North Central | .80 | .79 | 1.1 | .80 | .79 | -- | -- |
| Illinois..... | -- | -- | -- | -- | -- | -- | -- |
| Indiana..... | .95 | .91 | 4.4 | .95 | .91 | -- | -- |
| Michigan..... | .86 | .91 | -5.5 | .86 | .91 | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | .66 | .68 | -2.9 | .66 | .68 | -- | -- |
| West North Central | .43 | .51 | -15.1 | .43 | .51 | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | .43 | .50 | -14.0 | .43 | .50 | -- | -- |
| Missouri..... | -- | .66 | -- | -- | .66 | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | .88 | .69 | 27.5 | .88 | .69 | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | .88 | .69 | 27.5 | .88 | .69 | -- | -- |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | -- | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | -- | -- | -- | -- | -- | -- | -- |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- |
| East South Central | .62 | W | W | -- | .57 | .62 | W |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | .62 | W | W | -- | .57 | .62 | W |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- |
| West South Central | .37 | .35 | 5.3 | -- | -- | .37 | .35 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | W | W | W | -- | -- | W | W |
| Oklahoma..... | -- | -- | -- | -- | -- | -- | -- |
| Texas..... | W | W | W | -- | -- | W | W |
| Mountain | -- | -- | -- | -- | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous | 1.39 | 1.16 | 19.8 | -- | -- | 1.39 | 1.16 |
| California..... | 1.39 | 1.16 | 19.8 | -- | -- | 1.39 | 1.16 |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | .76 | .65 | 16.9 | .85 | .68 | .64 | .59 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

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."

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|--------------------------------|------------------------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|
| | Jul 2004 | Jul 2003 | Percent Change | Jul 2004 | Jul 2003 | Jul 2004 | Jul 2003 |
| New England..... | 6.31 | 5.52 | 14.3 | 6.52 | 5.55 | 6.31 | 5.51 |
| Connecticut..... | 6.46 | 6.04 | 7.0 | -- | -- | 6.46 | 6.04 |
| Maine..... | 6.09 | 5.28 | 15.3 | -- | -- | 6.09 | 5.28 |
| Massachusetts..... | 6.21 | 5.27 | 17.8 | 6.52 | 5.55 | 6.21 | 5.26 |
| New Hampshire..... | W | -- | W | -- | -- | W | -- |
| Rhode Island..... | W | W | W | -- | -- | W | W |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 6.69 | 5.79 | 15.5 | 7.00 | 5.76 | 6.66 | 5.80 |
| New Jersey..... | 6.89 | 6.07 | 13.5 | -- | 6.07 | 6.89 | 6.07 |
| New York..... | 6.49 | 5.72 | 13.5 | 7.00 | 5.66 | 6.36 | 5.73 |
| Pennsylvania..... | 6.99 | 5.55 | 25.9 | -- | -- | 6.99 | 5.55 |
| East North Central..... | 5.40 | 5.11 | 5.6 | 6.57 | 5.76 | 5.33 | 5.06 |
| Illinois..... | 6.63 | 5.80 | 14.3 | 6.82 | 6.64 | 6.63 | 5.80 |
| Indiana..... | W | 6.25 | W | 6.40 | 7.06 | W | 6.22 |
| Michigan..... | 4.67 | 4.39 | 6.4 | 6.61 | 5.45 | 4.58 | 4.28 |
| Ohio..... | 6.35 | W | W | 6.98 | 8.60 | 6.35 | W |
| Wisconsin..... | W | W | W | 6.58 | 5.87 | W | W |
| West North Central..... | 6.07 | 5.20 | 16.8 | 6.10 | 5.21 | 6.00 | 5.18 |
| Iowa..... | 6.91 | 6.13 | 12.7 | 6.91 | 6.13 | -- | -- |
| Kansas..... | 5.89 | 5.17 | 13.9 | 5.89 | 5.17 | -- | -- |
| Minnesota..... | W | W | W | 6.63 | 5.60 | W | W |
| Missouri..... | W | W | W | 5.84 | 4.84 | W | W |
| Nebraska..... | 6.20 | 6.37 | -2.7 | 6.20 | 6.37 | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 6.32 | 5.80 | 9.0 | 6.48 | 6.22 | 5.92 | 5.08 |
| Delaware..... | W | W | W | 7.20 | 5.95 | W | W |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 6.29 | 5.92 | 6.2 | 6.44 | 6.19 | 5.37 | 4.27 |
| Georgia..... | 6.39 | 5.36 | 19.2 | 5.42 | 2.62 | 6.39 | 5.36 |
| Maryland..... | 5.55 | 5.91 | -6.1 | -- | -- | 5.55 | 5.91 |
| North Carolina..... | W | 5.13 | W | 7.19 | 6.54 | W | 5.13 |
| South Carolina..... | W | W | W | -- | -- | W | W |
| Virginia..... | 6.69 | 6.31 | 6.0 | 6.80 | 7.05 | 6.53 | 5.68 |
| West Virginia..... | 6.72 | 6.01 | 11.8 | -- | -- | 6.72 | 6.01 |
| East South Central..... | 6.03 | 5.29 | 13.9 | 5.90 | 5.42 | 6.09 | 5.08 |
| Alabama..... | 6.04 | 5.36 | 12.7 | 5.86 | 5.43 | 6.11 | 4.94 |
| Kentucky..... | W | W | W | 6.70 | 5.71 | W | W |
| Mississippi..... | 6.00 | 5.23 | 14.7 | 5.93 | 5.41 | 6.06 | 5.08 |
| Tennessee..... | W | W | W | -- | -- | W | W |
| West South Central..... | 6.02 | 5.21 | 15.4 | 6.18 | 5.41 | 5.94 | 5.09 |
| Arkansas..... | 6.12 | 5.40 | 13.3 | 6.74 | 5.36 | 6.10 | 5.42 |
| Louisiana..... | 6.32 | 5.58 | 13.3 | 6.40 | 5.63 | 6.06 | 5.22 |
| Oklahoma..... | 6.12 | 5.36 | 14.2 | 6.33 | 5.47 | 5.72 | 4.49 |
| Texas..... | 5.95 | 5.13 | 16.0 | 6.00 | 5.22 | 5.94 | 5.10 |
| Mountain..... | 5.82 | 5.09 | 14.3 | 6.06 | 5.41 | 5.68 | 4.77 |
| Arizona..... | 6.12 | 5.17 | 18.4 | 6.43 | 5.35 | 6.00 | 5.06 |
| Colorado..... | 5.44 | 4.65 | 17.0 | 5.43 | 4.87 | 5.45 | 4.47 |
| Idaho..... | W | W | W | -- | -- | W | W |
| Montana..... | W | W | W | 6.69 | 16.51 | W | W |
| Nevada..... | 5.50 | 5.55 | -9 | 6.17 | 6.19 | 5.14 | 4.57 |
| New Mexico..... | W | W | W | 6.11 | 5.04 | W | W |
| Utah..... | 2.06 | W | W | 2.06 | 3.02 | -- | W |
| Wyoming..... | 4.19 | 1.80 | 132.8 | 4.19 | 1.80 | -- | -- |
| Pacific Contiguous..... | 5.93 | 5.10 | 16.2 | 5.79 | 5.02 | 5.96 | 5.12 |
| California..... | 6.16 | 5.32 | 15.8 | 6.18 | 5.35 | 6.16 | 5.31 |
| Oregon..... | 5.07 | 4.49 | 12.9 | 5.30 | 4.14 | 4.99 | 4.54 |
| Washington..... | 4.81 | 3.86 | 24.6 | 5.28 | -- | 4.76 | 3.86 |
| Alaska..... | 2.69 | 2.57 | 4.7 | 2.69 | 2.57 | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 6.06 | 5.33 | 13.7 | 6.21 | 5.57 | 6.00 | 5.20 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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.

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."

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, Year-to-Date through July 2004 and 2003
(Dollars per Million Btu)

| Census Division and State | Electric Power Sector ¹ | | | Electric Utilities ² | | Independent Power Producers | |
|---------------------------------|------------------------------------|-------------|----------------|---------------------------------|-------------|-----------------------------|-------------|
| | 2004 | 2003 | Percent Change | 2004 | 2003 | 2004 | 2003 |
| New England | 6.70 | 6.34 | 5.7 | 6.88 | 7.21 | 6.70 | 6.33 |
| Connecticut..... | 7.08 | W | W | -- | -- | 7.08 | W |
| Maine..... | 6.55 | 6.32 | 3.6 | -- | -- | 6.55 | 6.32 |
| Massachusetts..... | 6.58 | 5.67 | 16.0 | 6.88 | 7.21 | 6.58 | 5.66 |
| New Hampshire..... | W | -- | W | -- | -- | W | -- |
| Rhode Island..... | W | 7.56 | W | -- | -- | W | 7.56 |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic | 6.79 | 6.60 | 2.9 | 7.20 | 7.35 | 6.75 | 6.54 |
| New Jersey..... | 6.99 | 6.68 | 4.6 | -- | 6.07 | 6.99 | 6.68 |
| New York..... | 6.55 | 6.57 | -3 | 7.20 | 7.40 | 6.43 | 6.44 |
| Pennsylvania..... | 7.23 | 6.48 | 11.6 | -- | -- | 7.23 | 6.48 |
| East North Central | 5.04 | 4.89 | 3.0 | 6.75 | 6.17 | 4.96 | 4.73 |
| Illinois..... | 6.53 | 6.08 | 7.4 | 6.33 | 6.99 | 6.54 | 6.07 |
| Indiana..... | W | 6.30 | W | 7.32 | 6.72 | W | 6.22 |
| Michigan..... | 4.29 | 4.22 | 1.7 | 6.82 | 6.08 | 4.20 | 3.96 |
| Ohio..... | W | 6.47 | W | 7.56 | 7.52 | W | 6.34 |
| Wisconsin..... | 6.31 | 6.11 | 3.3 | 6.34 | 6.13 | 6.31 | 6.11 |
| West North Central | 6.44 | 5.71 | 12.9 | 6.61 | 5.70 | 6.06 | 5.73 |
| Iowa..... | 7.13 | 6.03 | 18.2 | 7.13 | 6.12 | -- | 5.90 |
| Kansas..... | 5.66 | 5.67 | -2 | 5.66 | 5.67 | -- | -- |
| Minnesota..... | W | W | W | 6.29 | 6.10 | W | W |
| Missouri..... | W | W | W | 5.98 | 5.22 | W | W |
| Nebraska..... | 8.62 | 6.81 | 26.6 | 8.62 | 6.81 | -- | -- |
| North Dakota..... | 6.80 | 7.39 | -8.0 | 6.80 | 7.39 | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic | 6.20 | 6.16 | .7 | 6.40 | 6.49 | 5.66 | 5.30 |
| Delaware..... | W | W | W | 7.07 | 6.64 | W | W |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 6.13 | 6.15 | -3 | 6.36 | 6.47 | 4.82 | 4.12 |
| Georgia..... | 6.39 | 5.83 | 9.6 | 6.73 | 3.05 | 6.39 | 5.83 |
| Maryland..... | 5.89 | 7.90 | -25.4 | -- | -- | 5.89 | 7.90 |
| North Carolina..... | 6.78 | 5.59 | 21.3 | 7.34 | 6.64 | 6.70 | 5.58 |
| South Carolina..... | W | W | W | -- | 7.10 | W | W |
| Virginia..... | 6.77 | 5.91 | 14.6 | 7.13 | 7.15 | 6.38 | 5.14 |
| West Virginia..... | 6.89 | 14.03 | -50.9 | 6.54 | 10.75 | 6.89 | 14.37 |
| East South Central | 5.93 | 5.97 | -6 | 5.88 | 6.05 | 6.00 | 5.61 |
| Alabama..... | 5.92 | 6.02 | -1.7 | 5.83 | 6.06 | 6.02 | 5.58 |
| Kentucky..... | W | W | W | 7.76 | 7.49 | W | W |
| Mississippi..... | 5.94 | 5.90 | .7 | 5.93 | 6.01 | 5.96 | 5.58 |
| Tennessee..... | W | W | W | -- | -- | W | W |
| West South Central | 5.83 | 5.74 | 1.5 | 6.06 | 5.93 | 5.74 | 5.65 |
| Arkansas..... | 6.08 | 5.38 | 13.0 | 6.38 | 5.93 | 6.06 | 5.31 |
| Louisiana..... | 6.31 | 6.15 | 2.6 | 6.39 | 6.28 | 6.08 | 5.37 |
| Oklahoma..... | 5.97 | 5.90 | 1.2 | 6.12 | 6.06 | 5.70 | 4.43 |
| Texas..... | 5.73 | 5.67 | 1.1 | 5.84 | 5.63 | 5.71 | 5.69 |
| Mountain | 5.57 | 4.99 | 11.7 | 6.02 | 5.11 | 5.35 | 4.86 |
| Arizona..... | 5.79 | 5.23 | 10.7 | 6.33 | 5.32 | 5.67 | 5.19 |
| Colorado..... | 5.23 | 4.47 | 17.0 | 5.23 | 4.33 | 5.23 | 4.74 |
| Idaho..... | W | W | W | -- | -- | W | W |
| Montana..... | W | W | W | 6.91 | 5.35 | W | W |
| Nevada..... | 5.47 | 5.16 | 6.0 | 6.56 | 5.77 | 4.82 | 4.47 |
| New Mexico..... | W | W | W | 5.78 | 5.15 | W | W |
| Utah..... | 2.08 | W | W | 2.07 | 2.70 | -- | W |
| Wyoming..... | 3.83 | 2.99 | 28.1 | 3.83 | 2.99 | -- | -- |
| Pacific Contiguous | 5.55 | 5.16 | 7.7 | 5.12 | 4.54 | 5.64 | 5.32 |
| California..... | 5.80 | 5.47 | 6.0 | 5.62 | 5.14 | 5.83 | 5.55 |
| Oregon..... | 4.92 | 4.31 | 14.2 | 5.06 | 3.80 | 4.89 | 4.39 |
| Washington..... | 4.44 | 3.79 | 17.2 | 5.28 | -- | 4.42 | 3.79 |
| Alaska..... | 2.79 | 2.11 | 32.2 | 2.79 | 2.11 | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total | 5.93 | 5.74 | 3.3 | 6.10 | 5.89 | 5.85 | 5.66 |

¹ The electric power sector includes electricity-only plants and combined-heat-and-power (CHP) plants whose primary business is to sell electricity.

² Data shown for electric utilities are collected by the Federal Energy Regulatory Commission on the FERC Form 423.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Data for 2003 and 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data. • 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.

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."

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, July 2004
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|-----------------------------------|---------------|------------|-------------|---------------|-----------|-------------|--------------|------------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England..... | 533 | .7 | 6.3 | -- | -- | -- | -- | -- | -- |
| Connecticut..... | 133 | .6 | 6.1 | -- | -- | -- | -- | -- | -- |
| Maine..... | 17 | .8 | 6.7 | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 185 | .6 | 5.6 | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | 199 | .9 | 7.1 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 2,623 | 2.0 | 11.4 | 173 | .3 | 5.1 | -- | -- | -- |
| New Jersey..... | 242 | 1.7 | 8.1 | -- | -- | -- | -- | -- | -- |
| New York..... | 571 | 2.0 | 8.4 | 173 | .3 | 5.1 | -- | -- | -- |
| Pennsylvania..... | 1,810 | 2.1 | 12.8 | -- | -- | -- | -- | -- | -- |
| East North Central..... | 7,269 | 2.0 | 9.0 | 8,814 | .3 | 4.9 | -- | -- | -- |
| Illinois..... | 1,537 | 1.3 | 7.1 | 3,193 | .3 | 5.0 | -- | -- | -- |
| Indiana..... | 1,641 | 2.2 | 8.8 | 1,400 | .2 | 4.7 | -- | -- | -- |
| Michigan..... | 906 | 1.2 | 9.0 | 2,436 | .3 | 5.0 | -- | -- | -- |
| Ohio..... | 2,893 | 2.6 | 10.3 | 12 | .3 | 4.5 | -- | -- | -- |
| Wisconsin..... | 293 | 1.1 | 8.5 | 1,773 | .3 | 4.9 | -- | -- | -- |
| West North Central..... | 213 | 2.2 | 10.4 | 9,561 | .4 | 5.3 | 2,204 | .7 | 9.7 |
| Iowa..... | 82 | 2.6 | 9.5 | 1,957 | .3 | 4.9 | -- | -- | -- |
| Kansas..... | 21 | 3.4 | 13.8 | 1,672 | .4 | 5.2 | -- | -- | -- |
| Minnesota..... | 17 | .9 | 7.9 | 1,531 | .5 | 6.7 | -- | -- | -- |
| Missouri..... | 93 | 1.8 | 10.8 | 3,547 | .3 | 5.1 | -- | -- | -- |
| Nebraska..... | -- | -- | -- | 620 | .3 | 4.6 | -- | -- | -- |
| North Dakota..... | -- | -- | -- | 63 | .4 | 5.5 | 2,204 | .7 | 9.7 |
| South Dakota..... | -- | -- | -- | 170 | .4 | 4.7 | -- | -- | -- |
| South Atlantic..... | 11,455 | 1.2 | 10.7 | 1,125 | .3 | 5.1 | -- | -- | -- |
| Delaware..... | 210 | 1.0 | 9.4 | 13 | .3 | 5.5 | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1,423 | 1.7 | 8.1 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 2,075 | 1.1 | 10.7 | 1,099 | .3 | 5.0 | -- | -- | -- |
| Maryland..... | 548 | 1.1 | 11.7 | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 2,828 | .9 | 11.1 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 732 | 1.3 | 9.8 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 1,282 | 1.0 | 9.9 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 2,357 | 1.5 | 12.1 | 13 | 1.7 | 7.7 | -- | -- | -- |
| East South Central..... | 6,678 | 1.6 | 10.7 | 1,742 | .3 | 5.2 | 319 | .5 | 15.1 |
| Alabama..... | 1,735 | 1.3 | 10.5 | 1,033 | .3 | 5.1 | -- | -- | -- |
| Kentucky..... | 2,400 | 2.2 | 12.2 | 47 | .4 | 5.5 | -- | -- | -- |
| Mississippi..... | 468 | .6 | 8.0 | 89 | .3 | 5.3 | 319 | .5 | 15.1 |
| Tennessee..... | 2,075 | 1.5 | 9.7 | 573 | .3 | 5.3 | -- | -- | -- |
| West South Central..... | 76 | 2.4 | 16.2 | 6,808 | .3 | 5.0 | 3,876 | 1.3 | 17.6 |
| Arkansas..... | -- | -- | -- | 1,255 | .3 | 4.7 | -- | -- | -- |
| Louisiana..... | * | 1.0 | 10.0 | 869 | .3 | 5.1 | 178 | 1.1 | 12.7 |
| Oklahoma..... | 76 | 2.4 | 16.2 | 1,650 | .3 | 5.1 | -- | -- | -- |
| Texas..... | -- | -- | -- | 3,034 | .3 | 5.1 | 3,698 | 1.4 | 17.8 |
| Mountain..... | 3,418 | .5 | 10.3 | 5,155 | .5 | 10.0 | 29 | .5 | 11.2 |
| Arizona..... | 824 | .5 | 9.4 | 694 | .7 | 15.8 | -- | -- | -- |
| Colorado..... | 432 | .5 | 10.4 | 1,116 | .3 | 5.6 | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | 874 | .6 | 9.4 | 29 | .5 | 11.2 |
| Nevada..... | 657 | .6 | 10.0 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | 656 | .8 | 19.7 | -- | -- | -- |
| Utah..... | 1,270 | .5 | 11.7 | -- | -- | -- | -- | -- | -- |
| Wyoming..... | 235 | .9 | 5.7 | 1,814 | .4 | 7.2 | -- | -- | -- |
| Pacific Contiguous..... | 118 | .8 | 8.7 | 581 | .8 | 10.9 | -- | -- | -- |
| California..... | 118 | .8 | 8.7 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | 167 | .3 | 4.8 | -- | -- | -- |
| Washington..... | -- | -- | -- | 414 | 1.0 | 13.4 | -- | -- | -- |
| Pacific Noncontiguous..... | -- | -- | -- | 60 | .5 | 8.0 | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | 60 | .5 | 8.0 | -- | -- | -- |
| U.S. Total..... | 32,382 | 1.5 | 10.3 | 34,019 | .4 | 5.9 | 6,427 | 1.1 | 14.7 |

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

Notes: • See Glossary for definitions. • Data for 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

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."

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, July 2004
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|-----------------------------------|---------------|------------|-------------|---------------|-----------|-------------|--------------|------------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England..... | 229 | .8 | 7.1 | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 30 | .5 | 7.4 | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | 199 | .9 | 7.1 | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 154 | 2.2 | 8.0 | -- | -- | -- | -- | -- | -- |
| New Jersey..... | 65 | 2.4 | 7.5 | -- | -- | -- | -- | -- | -- |
| New York..... | 60 | 2.0 | 8.4 | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | 29 | 2.3 | 8.3 | -- | -- | -- | -- | -- | -- |
| East North Central..... | 5,760 | 2.3 | 9.5 | 5,988 | .3 | 4.9 | -- | -- | -- |
| Illinois..... | 284 | 2.7 | 8.6 | 532 | .3 | 5.0 | -- | -- | -- |
| Indiana..... | 1,641 | 2.2 | 8.8 | 1,271 | .2 | 4.7 | -- | -- | -- |
| Michigan..... | 833 | 1.2 | 9.0 | 2,436 | .3 | 5.0 | -- | -- | -- |
| Ohio..... | 2,741 | 2.7 | 10.3 | 12 | .3 | 4.5 | -- | -- | -- |
| Wisconsin..... | 261 | 1.0 | 8.6 | 1,737 | .3 | 4.9 | -- | -- | -- |
| West North Central..... | 158 | 1.7 | 10.9 | 9,308 | .4 | 5.3 | 2,204 | .7 | 9.7 |
| Iowa..... | 42 | 1.8 | 10.1 | 1,887 | .3 | 4.9 | -- | -- | -- |
| Kansas..... | 21 | 3.4 | 13.8 | 1,672 | .4 | 5.2 | -- | -- | -- |
| Minnesota..... | 17 | .9 | 7.9 | 1,348 | .5 | 7.0 | -- | -- | -- |
| Missouri..... | 78 | 1.4 | 11.1 | 3,547 | .3 | 5.1 | -- | -- | -- |
| Nebraska..... | -- | -- | -- | 620 | .3 | 4.6 | -- | -- | -- |
| North Dakota..... | -- | -- | -- | 63 | .4 | 5.5 | 2,204 | .7 | 9.7 |
| South Dakota..... | -- | -- | -- | 170 | .4 | 4.7 | -- | -- | -- |
| South Atlantic..... | 9,357 | 1.1 | 10.7 | 1,112 | .3 | 5.1 | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 1,231 | 1.9 | 7.7 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 2,014 | 1.1 | 10.8 | 1,099 | .3 | 5.0 | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 2,613 | .9 | 11.3 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 718 | 1.3 | 9.9 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 967 | 1.0 | 10.4 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 1,814 | 1.1 | 12.5 | 13 | 1.7 | 7.7 | -- | -- | -- |
| East South Central..... | 6,447 | 1.6 | 10.7 | 1,742 | .3 | 5.2 | -- | -- | -- |
| Alabama..... | 1,728 | 1.3 | 10.5 | 1,033 | .3 | 5.1 | -- | -- | -- |
| Kentucky..... | 2,271 | 2.1 | 12.3 | 47 | .4 | 5.5 | -- | -- | -- |
| Mississippi..... | 468 | .6 | 8.0 | 89 | .3 | 5.3 | -- | -- | -- |
| Tennessee..... | 1,980 | 1.6 | 9.8 | 573 | .3 | 5.3 | -- | -- | -- |
| West South Central..... | -- | -- | -- | 5,443 | .3 | 5.0 | 879 | 1.4 | 18.5 |
| Arkansas..... | -- | -- | -- | 1,255 | .3 | 4.7 | -- | -- | -- |
| Louisiana..... | -- | -- | -- | 235 | .3 | 5.3 | 178 | 1.1 | 12.7 |
| Oklahoma..... | -- | -- | -- | 1,612 | .3 | 5.0 | -- | -- | -- |
| Texas..... | -- | -- | -- | 2,342 | .3 | 5.1 | 701 | 1.5 | 20.0 |
| Mountain..... | 3,418 | .5 | 10.3 | 4,772 | .5 | 10.0 | 29 | .5 | 11.2 |
| Arizona..... | 824 | .5 | 9.4 | 658 | .7 | 15.9 | -- | -- | -- |
| Colorado..... | 432 | .5 | 10.4 | 1,116 | .3 | 5.6 | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | 528 | .7 | 9.9 | 29 | .5 | 11.2 |
| Nevada..... | 657 | .6 | 10.0 | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | 656 | .8 | 19.7 | -- | -- | -- |
| Utah..... | 1,270 | .5 | 11.7 | -- | -- | -- | -- | -- | -- |
| Wyoming..... | 235 | .9 | 5.7 | 1,814 | .4 | 7.2 | -- | -- | -- |
| Pacific Contiguous..... | -- | -- | -- | 167 | .3 | 4.8 | -- | -- | -- |
| California..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | 167 | .3 | 4.8 | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 25,523 | 1.4 | 10.3 | 28,531 | .3 | 5.9 | 3,111 | .9 | 12.2 |

Notes: • See Glossary for definitions. • Data for 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.
Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, July 2004
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|-----------------------------------|--------------|------------|-------------|---------------|------------|-------------|--------------|------------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England..... | 300 | .6 | 5.7 | -- | -- | -- | -- | -- | -- |
| Connecticut..... | 133 | .6 | 6.1 | -- | -- | -- | -- | -- | -- |
| Maine..... | 13 | .9 | 7.1 | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | 154 | .6 | 5.3 | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 2,359 | 2.0 | 11.8 | 173 | .3 | 5.1 | -- | -- | -- |
| New Jersey..... | 177 | 1.4 | 8.4 | -- | -- | -- | -- | -- | -- |
| New York..... | 456 | 2.0 | 8.4 | 173 | .3 | 5.1 | -- | -- | -- |
| Pennsylvania..... | 1,725 | 2.1 | 13.1 | -- | -- | -- | -- | -- | -- |
| East North Central..... | 1,293 | .9 | 7.0 | 2,729 | .3 | 5.0 | -- | -- | -- |
| Illinois..... | 1,123 | .8 | 6.5 | 2,600 | .3 | 5.0 | -- | -- | -- |
| Indiana..... | -- | -- | -- | 129 | .3 | 3.9 | -- | -- | -- |
| Michigan..... | 33 | 1.3 | 7.4 | -- | -- | -- | -- | -- | -- |
| Ohio..... | 128 | 2.0 | 11.2 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 9 | 1.3 | 6.0 | -- | -- | -- | -- | -- | -- |
| West North Central..... | -- | -- | -- | 116 | .3 | 4.2 | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | 116 | .3 | 4.2 | -- | -- | -- |
| Missouri..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 1,877 | 1.5 | 10.4 | 13 | .3 | 5.5 | -- | -- | -- |
| Delaware..... | 210 | 1.0 | 9.4 | 13 | .3 | 5.5 | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 173 | .9 | 11.1 | -- | -- | -- | -- | -- | -- |
| Georgia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maryland..... | 548 | 1.1 | 11.7 | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 148 | 1.0 | 9.0 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia..... | 298 | .8 | 8.3 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 500 | 3.0 | 10.9 | -- | -- | -- | -- | -- | -- |
| East South Central..... | 137 | 2.7 | 11.8 | -- | -- | -- | 319 | .5 | 15.1 |
| Alabama..... | 7 | 1.1 | 15.9 | -- | -- | -- | -- | -- | -- |
| Kentucky..... | 129 | 2.8 | 11.6 | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | 319 | .5 | 15.1 |
| Tennessee..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West South Central..... | 65 | 2.7 | 17.3 | 1,327 | .3 | 5.0 | 2,787 | 1.3 | 17.1 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | -- | -- | -- | 634 | .3 | 5.0 | -- | -- | -- |
| Oklahoma..... | 65 | 2.7 | 17.3 | -- | -- | -- | -- | -- | -- |
| Texas..... | -- | -- | -- | 693 | .3 | 5.1 | 2,787 | 1.3 | 17.1 |
| Mountain..... | -- | -- | -- | 347 | .6 | 8.7 | -- | -- | -- |
| Arizona..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | 347 | .6 | 8.7 | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 63 | .7 | 8.5 | 414 | 1.0 | 13.4 | -- | -- | -- |
| California..... | 63 | .7 | 8.5 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | 414 | 1.0 | 13.4 | -- | -- | -- |
| Pacific Noncontiguous..... | -- | -- | -- | 60 | .5 | 8.0 | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | 60 | .5 | 8.0 | -- | -- | -- |
| U.S. Total..... | 6,093 | 1.6 | 10.1 | 5,179 | .4 | 5.9 | 3,105 | 1.2 | 16.9 |

Notes: • See Glossary for definitions. • Data for 2004 are preliminary. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.
Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Combined Heat and Power Producers by State, July 2004
(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..... | 30 | 1.8 | 10.7 | -- | -- | -- | -- | -- | -- |
| Illinois..... | 5 | 1.3 | 7.6 | -- | -- | -- | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 25 | 1.9 | 11.3 | -- | -- | -- | -- | -- | -- |
| Ohio..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| West North Central..... | 14 | 3.7 | 9.2 | -- | -- | -- | -- | -- | -- |
| Iowa..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Missouri..... | 14 | 3.7 | 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..... | 44 | 2.4 | 10.2 | -- | -- | -- | -- | -- | -- |

Notes: • See Glossary for definitions. • Data for 2004 are preliminary. • Values include a small number of commercial electricity-only plants. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Combined Heat and Power Producers by State, July 2004
(Thousand Tons)

| Census Division and State | Bituminous | | | Subbituminous | | | Lignite | | |
|-----------------------------------|------------|------------|------------|---------------|-----------|-------------|------------|------------|-------------|
| | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % | Receipts | Sulfur % | Ash % |
| New England..... | 4 | .7 | 5.6 | -- | -- | -- | -- | -- | -- |
| Connecticut..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Maine..... | 4 | .7 | 5.6 | -- | -- | -- | -- | -- | -- |
| Massachusetts..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Hampshire..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rhode Island..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 110 | 1.6 | 8.1 | -- | -- | -- | -- | -- | -- |
| New Jersey..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New York..... | 54 | 2.0 | 8.8 | -- | -- | -- | -- | -- | -- |
| Pennsylvania..... | 56 | 1.2 | 7.5 | -- | -- | -- | -- | -- | -- |
| East North Central..... | 186 | 2.9 | 8.5 | 97 | .4 | 5.8 | -- | -- | -- |
| Illinois..... | 125 | 3.1 | 8.5 | 61 | .4 | 5.5 | -- | -- | -- |
| Indiana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Michigan..... | 15 | .8 | 9.9 | -- | -- | -- | -- | -- | -- |
| Ohio..... | 24 | 3.5 | 8.4 | -- | -- | -- | -- | -- | -- |
| Wisconsin..... | 23 | 2.6 | 8.1 | 36 | .3 | 6.4 | -- | -- | -- |
| West North Central..... | 40 | 3.5 | 8.8 | 138 | .3 | 5.2 | -- | -- | -- |
| Iowa..... | 40 | 3.5 | 8.8 | 70 | .3 | 4.9 | -- | -- | -- |
| Kansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Minnesota..... | -- | -- | -- | 68 | .3 | 5.6 | -- | -- | -- |
| Missouri..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nebraska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 221 | .9 | 8.6 | -- | -- | -- | -- | -- | -- |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 19 | .7 | 8.2 | -- | -- | -- | -- | -- | -- |
| Georgia..... | 61 | .8 | 9.5 | -- | -- | -- | -- | -- | -- |
| Maryland..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| North Carolina..... | 67 | .9 | 7.6 | -- | -- | -- | -- | -- | -- |
| South Carolina..... | 14 | .8 | 7.8 | -- | -- | -- | -- | -- | -- |
| Virginia..... | 17 | .9 | 9.1 | -- | -- | -- | -- | -- | -- |
| West Virginia..... | 43 | 1.1 | 9.3 | -- | -- | -- | -- | -- | -- |
| East South Central..... | 94 | .9 | 7.6 | -- | -- | -- | -- | -- | -- |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tennessee..... | 94 | .9 | 7.6 | -- | -- | -- | -- | -- | -- |
| West South Central..... | 10 | .5 | 9.1 | 38 | .2 | 6.5 | 210 | 1.8 | 20.6 |
| Arkansas..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Louisiana..... | * | 1.0 | 10.0 | -- | -- | -- | -- | -- | -- |
| Oklahoma..... | 10 | .5 | 9.1 | 38 | .2 | 6.5 | -- | -- | -- |
| Texas..... | -- | -- | -- | -- | -- | -- | 210 | 1.8 | 20.6 |
| Mountain..... | -- | -- | -- | 36 | .5 | 13.6 | -- | -- | -- |
| Arizona..... | -- | -- | -- | 36 | .5 | 13.6 | -- | -- | -- |
| Colorado..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Utah..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 55 | .9 | 8.9 | -- | -- | -- | -- | -- | -- |
| California..... | 55 | .9 | 8.9 | -- | -- | -- | -- | -- | -- |
| Oregon..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Washington..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Noncontiguous..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Alaska..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| U.S. Total..... | 722 | 1.7 | 8.4 | 309 | .3 | 6.6 | 210 | 1.8 | 20.6 |

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

Notes: • See Glossary for definitions. • Data for 2004 are preliminary. • Values include a small number of industrial electricity-only plants. • Totals may not equal sum of components because of independent rounding. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the Independent Power Producer sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report."

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, 1990 through August 2004
(Million Kilowatthours)

| Period | Residential | Commercial | Industrial | Transportation ¹ | Other | All Sectors |
|---|------------------|------------------|----------------|-----------------------------|----------------|------------------|
| 1990..... | 924,019 | 751,027 | 945,522 | NA | 91,988 | 2,712,555 |
| 1991..... | 955,417 | 765,664 | 946,583 | NA | 94,339 | 2,762,003 |
| 1992..... | 935,939 | 761,271 | 972,714 | NA | 93,442 | 2,763,365 |
| 1993..... | 994,781 | 794,573 | 977,164 | NA | 94,944 | 2,861,462 |
| 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..... | 1,202,647 | 1,089,154 | 964,224 | NA | 113,756 | 3,369,781 |
| 2002 | | | | | | |
| January..... | 117,742 | 89,366 | 76,600 | NA | 8,315 | 292,023 |
| February..... | 97,309 | 82,526 | 76,413 | NA | 8,028 | 264,275 |
| March..... | 95,919 | 85,055 | 78,122 | NA | 8,010 | 267,105 |
| April..... | 86,103 | 85,549 | 78,918 | NA | 8,009 | 258,578 |
| May..... | 87,494 | 90,819 | 82,242 | NA | 8,501 | 269,055 |
| June..... | 107,853 | 98,638 | 82,432 | NA | 9,306 | 298,230 |
| July..... | 133,389 | 108,091 | 85,724 | NA | 10,064 | 337,268 |
| August..... | 133,951 | 107,439 | 86,739 | NA | 10,183 | 338,312 |
| September..... | 114,951 | 100,138 | 84,107 | NA | 10,266 | 309,462 |
| October..... | 94,237 | 95,188 | 83,783 | NA | 9,456 | 282,665 |
| November..... | 88,926 | 85,363 | 79,057 | NA | 8,464 | 261,810 |
| December..... | 109,085 | 88,076 | 78,032 | NA | 8,546 | 283,738 |
| Total..... | 1,266,959 | 1,116,248 | 972,168 | NA | 107,146 | 3,462,521 |
| 2003 | | | | | | |
| January..... | 125,307 | 93,712 | 80,351 | NA | 8,743 | 308,113 |
| February..... | 112,021 | 84,886 | 77,901 | NA | 8,327 | 283,136 |
| March..... | 100,154 | 86,482 | 78,914 | NA | 8,265 | 273,816 |
| April..... | 84,102 | 83,470 | 80,561 | NA | 7,924 | 256,057 |
| May..... | 88,340 | 89,391 | 82,495 | NA | 8,581 | 268,807 |
| June..... | 100,912 | 94,911 | 84,296 | NA | 9,353 | 289,472 |
| July..... | 130,254 | 106,961 | 86,064 | NA | 10,232 | 333,510 |
| August..... | 133,889 | 108,218 | 88,825 | NA | 10,550 | 341,481 |
| September..... | 113,506 | 99,408 | 84,526 | NA | 9,939 | 307,379 |
| October..... | 90,044 | 93,497 | 85,438 | NA | 9,525 | 278,504 |
| November..... | 87,474 | 86,722 | 81,374 | NA | 8,838 | 264,408 |
| December..... | 113,903 | 91,592 | 80,612 | NA | 9,176 | 295,283 |
| Total..... | 1,279,907 | 1,119,250 | 991,359 | NA | 109,452 | 3,499,968 |
| 2004 | | | | | | |
| January..... | 126,963 | 99,245 | 80,385 | 610 | -- | 307,203 |
| February..... | 113,075 | 93,853 | 79,568 | 614 | -- | 287,110 |
| March..... | 99,047 | 95,208 | 83,325 | 540 | -- | 278,119 |
| April..... | 85,439 | 92,830 | 83,540 | 560 | -- | 262,370 |
| May..... | 90,658 | 100,384 | 87,687 | 548 | -- | 279,278 |
| June..... | 112,373 | 107,616 | 87,242 | 559 | -- | 307,790 |
| July..... | 129,759 | 115,501 | 88,601 | 602 | -- | 334,463 |
| August..... | 126,724 | 113,211 | 89,701 | 657 | -- | 330,293 |
| Total..... | 884,039 | 817,849 | 680,050 | 4,690 | -- | 2,386,627 |
| Year to Date | | | | | | |
| 2002..... | 859,760 | 747,483 | 647,189 | NA | 70,415 | 2,324,846 |
| 2003..... | 874,980 | 748,031 | 659,408 | NA | 71,974 | 2,354,393 |
| 2004..... | 884,039 | 817,849 | 680,050 | 4,690 | -- | 2,386,627 |
| Rolling 12 Months Ending in August | | | | | | |
| 2003..... | 1,282,179 | 1,116,796 | 984,387 | NA | 108,706 | 3,492,068 |
| 2004..... | 1,288,966 | 1,189,068 | 1,012,000 | 4,690 | 37,478 | 3,532,202 |

¹ See Technical Notes for additional information on transportation.

NA = Not available.

Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Sales values for 1996-2004 include energy service provider (power marketer) data. • Values for 2002 and prior years are final. • Values for 2003 and 2004 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. • Totals may not equal sum of components because of independent rounding.

Sources: 2003 - 2004: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1990-2002: 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, 1990 through August 2004
(Million Dollars)

| Period | Residential | Commercial | Industrial | Transportation ¹ | Other | All Sectors |
|---|----------------|---------------|---------------|-----------------------------|--------------|----------------|
| 1990..... | 72,378 | 55,117 | 44,857 | NA | 5,891 | 178,243 |
| 1991..... | 76,828 | 57,655 | 45,737 | NA | 6,138 | 186,359 |
| 1992..... | 76,848 | 58,343 | 46,993 | NA | 6,296 | 188,480 |
| 1993..... | 82,814 | 61,521 | 47,357 | NA | 6,528 | 198,220 |
| 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..... | 103,671 | 86,354 | 48,573 | NA | 7,999 | 246,597 |
| 2002 | | | | | | |
| January..... | 9,527 | 6,652 | 3,663 | NA | 547 | 20,390 |
| February..... | 7,971 | 6,325 | 3,682 | NA | 543 | 18,521 |
| March..... | 7,836 | 6,541 | 3,773 | NA | 544 | 18,693 |
| April..... | 7,216 | 6,512 | 3,757 | NA | 550 | 18,034 |
| May..... | 7,564 | 7,056 | 3,932 | NA | 577 | 19,129 |
| June..... | 9,406 | 7,944 | 4,114 | NA | 636 | 22,100 |
| July..... | 11,752 | 8,923 | 4,441 | NA | 670 | 25,786 |
| August..... | 11,729 | 8,808 | 4,431 | NA | 669 | 25,638 |
| September..... | 9,951 | 8,056 | 4,160 | NA | 673 | 22,841 |
| October..... | 8,023 | 7,651 | 4,098 | NA | 638 | 20,410 |
| November..... | 7,414 | 6,530 | 3,741 | NA | 568 | 18,252 |
| December..... | 8,840 | 6,706 | 3,694 | NA | 593 | 19,833 |
| Total..... | 107,229 | 87,706 | 47,485 | NA | 7,208 | 249,629 |
| 2003 | | | | | | |
| January..... | 10,005 | 7,286 | 3,754 | NA | 584 | 21,629 |
| February..... | 8,961 | 6,589 | 3,758 | NA | 575 | 19,883 |
| March..... | 8,322 | 6,777 | 3,862 | NA | 594 | 19,555 |
| April..... | 7,417 | 6,704 | 3,919 | NA | 571 | 18,611 |
| May..... | 7,947 | 7,285 | 4,055 | NA | 616 | 19,903 |
| June..... | 9,291 | 8,091 | 4,270 | NA | 668 | 22,320 |
| July..... | 11,921 | 9,203 | 4,546 | NA | 714 | 26,384 |
| August..... | 12,305 | 9,227 | 4,684 | NA | 732 | 26,948 |
| September..... | 10,106 | 8,157 | 4,245 | NA | 697 | 23,206 |
| October..... | 8,017 | 7,641 | 4,237 | NA | 653 | 20,548 |
| November..... | 7,649 | 6,878 | 3,878 | NA | 590 | 18,995 |
| December..... | 9,502 | 7,146 | 3,852 | NA | 609 | 21,109 |
| Total..... | 111,443 | 90,983 | 49,062 | NA | 7,603 | 259,091 |
| 2004 | | | | | | |
| January..... | 10,460 | 7,651 | 3,915 | 33 | -- | 22,059 |
| February..... | 9,405 | 7,358 | 3,904 | 34 | -- | 20,701 |
| March..... | 8,537 | 7,560 | 4,090 | 30 | -- | 20,217 |
| April..... | 7,626 | 7,341 | 4,136 | 31 | -- | 19,134 |
| May..... | 8,223 | 8,046 | 4,403 | 30 | -- | 20,702 |
| June..... | 10,397 | 9,105 | 4,605 | 33 | -- | 24,140 |
| July..... | 12,120 | 9,915 | 4,836 | 38 | -- | 26,908 |
| August..... | 12,000 | 9,847 | 4,919 | 44 | -- | 26,810 |
| Total..... | 78,768 | 66,823 | 34,807 | 273 | -- | 180,672 |
| Year to Date | | | | | | |
| 2002..... | 73,000 | 58,763 | 31,792 | NA | 4,736 | 168,292 |
| 2003..... | 76,169 | 61,161 | 32,849 | NA | 5,055 | 175,233 |
| 2004..... | 78,768 | 66,823 | 34,807 | 273 | -- | 180,672 |
| Rolling 12 Months Ending in August | | | | | | |
| 2003..... | 110,397 | 90,104 | 48,542 | NA | 7,527 | 256,570 |
| 2004..... | 114,042 | 96,645 | 51,020 | 273 | -- | 264,529 |

¹ See Technical Notes for additional information on transportation.

NA = Not available.

Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Revenue values for 1996-2004 include energy service provider (power marketer) data. • Values for 2002 and prior years are final. • Values for 2003 and 2004 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: 2003 - 2004: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1990-2002: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 1990 through August 2004
(Cents per Kilowatthour)

| Period | Residential | Commercial | Industrial | Transportation ¹ | Other | All Sectors |
|---|-------------|-------------|-------------|-----------------------------|-------------|-------------|
| 1990..... | 7.83 | 7.34 | 4.74 | NA | 6.40 | 6.57 |
| 1991..... | 8.04 | 7.53 | 4.83 | NA | 6.51 | 6.75 |
| 1992..... | 8.21 | 7.66 | 4.83 | NA | 6.74 | 6.82 |
| 1993..... | 8.32 | 7.74 | 4.85 | NA | 6.88 | 6.93 |
| 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..... | 8.62 | 7.93 | 5.04 | NA | 7.03 | 7.32 |
| 2002 | | | | | | |
| January..... | 8.09 | 7.44 | 4.78 | NA | 6.58 | 6.98 |
| February..... | 8.19 | 7.66 | 4.82 | NA | 6.76 | 7.01 |
| March..... | 8.17 | 7.69 | 4.83 | NA | 6.79 | 7.00 |
| April..... | 8.38 | 7.61 | 4.76 | NA | 6.86 | 6.97 |
| May..... | 8.64 | 7.77 | 4.78 | NA | 6.79 | 7.11 |
| June..... | 8.72 | 8.05 | 4.99 | NA | 6.83 | 7.41 |
| July..... | 8.81 | 8.26 | 5.18 | NA | 6.66 | 7.65 |
| August..... | 8.76 | 8.20 | 5.11 | NA | 6.57 | 7.58 |
| September..... | 8.66 | 8.05 | 4.95 | NA | 6.56 | 7.38 |
| October..... | 8.51 | 8.04 | 4.89 | NA | 6.75 | 7.22 |
| November..... | 8.34 | 7.65 | 4.73 | NA | 6.71 | 6.97 |
| December..... | 8.10 | 7.61 | 4.73 | NA | 6.94 | 6.99 |
| Total..... | 8.46 | 7.86 | 4.88 | NA | 6.73 | 7.21 |
| 2003 | | | | | | |
| January..... | 7.98 | 7.77 | 4.67 | NA | 6.68 | 7.02 |
| February..... | 8.00 | 7.76 | 4.82 | NA | 6.90 | 7.02 |
| March..... | 8.31 | 7.84 | 4.89 | NA | 7.19 | 7.14 |
| April..... | 8.82 | 8.03 | 4.86 | NA | 7.20 | 7.27 |
| May..... | 9.00 | 8.15 | 4.92 | NA | 7.17 | 7.40 |
| June..... | 9.21 | 8.52 | 5.07 | NA | 7.15 | 7.71 |
| July..... | 9.15 | 8.60 | 5.28 | NA | 6.98 | 7.91 |
| August..... | 9.19 | 8.53 | 5.27 | NA | 6.94 | 7.89 |
| September..... | 8.90 | 8.21 | 5.02 | NA | 7.01 | 7.55 |
| October..... | 8.90 | 8.17 | 4.96 | NA | 6.85 | 7.38 |
| November..... | 8.74 | 7.93 | 4.77 | NA | 6.67 | 7.18 |
| December..... | 8.34 | 7.80 | 4.78 | NA | 6.64 | 7.15 |
| Total..... | 8.71 | 8.13 | 4.95 | NA | 6.95 | 7.40 |
| 2004 | | | | | | |
| January..... | 8.24 | 7.71 | 4.87 | 5.41 | -- | 7.18 |
| February..... | 8.32 | 7.84 | 4.91 | 5.56 | -- | 7.21 |
| March..... | 8.62 | 7.94 | 4.91 | 5.62 | -- | 7.27 |
| April..... | 8.93 | 7.91 | 4.95 | 5.58 | -- | 7.29 |
| May..... | 9.07 | 8.02 | 5.02 | 5.52 | -- | 7.41 |
| June..... | 9.25 | 8.46 | 5.28 | 5.93 | -- | 7.84 |
| July..... | 9.34 | 8.58 | 5.46 | 6.27 | -- | 8.05 |
| August..... | 9.47 | 8.70 | 5.48 | 6.63 | -- | 8.12 |
| Total..... | 8.91 | 8.17 | 5.12 | 5.83 | -- | 7.57 |
| Year to Date | | | | | | |
| 2002..... | 8.49 | 7.86 | 4.91 | NA | 6.73 | 7.24 |
| 2003..... | 8.71 | 8.18 | 4.98 | NA | 7.02 | 7.44 |
| 2004..... | 8.91 | 8.17 | 5.12 | 5.83 | -- | 7.57 |
| Rolling 12 Months Ending in August | | | | | | |
| 2003..... | 8.61 | 8.07 | 4.93 | NA | 6.92 | 7.35 |
| 2004..... | 8.85 | 8.13 | 5.04 | 5.83 | 6.80 | 7.49 |

¹ See Technical Notes for additional information on transportation.

NA = Not available.

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 1996-2004 include power marketer data. • Values for 2003 and 2004 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 2002 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

Sources: 2003 - 2004: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1990-2002: 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, August 2004 and 2003
(Million Kilowatthours)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation ¹ /Other | | All Sectors | |
|----------------------------------|----------------|----------------|----------------|----------------|---------------|---------------|------------------------------------|---------------|----------------|----------------|
| | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 4,303 | 4,571 | 4,819 | 4,887 | 2,094 | 2,100 | 48 | 122 | 11,264 | 11,680 |
| Connecticut..... | 1,244 | 1,318 | 1,214 | 1,207 | 475 | 484 | 16 | 45 | 2,949 | 3,053 |
| Maine..... | 373 | 363 | 367 | 370 | 318 | 293 | -- | 5 | 1,058 | 1,031 |
| Massachusetts..... | 1,834 | 1,980 | 2,344 | 2,403 | 837 | 861 | 32 | 49 | 5,047 | 5,293 |
| New Hampshire..... | 390 | 397 | 399 | 392 | 208 | 211 | -- | 12 | 997 | 1,013 |
| Rhode Island..... | 286 | 330 | 319 | 342 | 116 | 120 | -- | 7 | 720 | 798 |
| Vermont..... | 176 | 184 | 177 | 173 | 139 | 130 | -- | 4 | 492 | 491 |
| Middle Atlantic..... | 12,152 | 12,695 | 13,027 | 13,226 | 7,054 | 7,378 | 379 | 1,268 | 32,612 | 34,568 |
| New Jersey..... | 3,072 | 3,297 | 3,603 | 3,403 | 1,033 | 951 | 22 | 48 | 7,730 | 7,699 |
| New York..... | 4,534 | 4,749 | 5,457 | 5,874 | 1,777 | 2,124 | 287 | 1,107 | 12,056 | 13,855 |
| Pennsylvania..... | 4,547 | 4,649 | 3,967 | 3,949 | 4,244 | 4,303 | 70 | 113 | 12,827 | 13,015 |
| East North Central..... | 15,879 | 18,639 | 15,567 | 15,509 | 18,007 | 18,476 | 47 | 1,458 | 49,500 | 54,081 |
| Illinois..... | 3,760 | 4,963 | 4,097 | 4,344 | 3,599 | 3,668 | 42 | 817 | 11,498 | 13,792 |
| Indiana..... | 2,831 | 3,178 | 2,112 | 2,114 | 4,152 | 4,171 | 1 | 101 | 9,097 | 9,565 |
| Michigan..... | 3,012 | 3,450 | 3,434 | 3,466 | 2,942 | 2,959 | * | 69 | 9,388 | 9,944 |
| Ohio..... | 4,443 | 4,829 | 4,172 | 3,758 | 4,967 | 5,228 | 3 | 401 | 13,586 | 14,216 |
| Wisconsin..... | 1,833 | 2,219 | 1,751 | 1,827 | 2,347 | 2,449 | -- | 70 | 5,931 | 6,565 |
| West North Central..... | 8,586 | 10,698 | 7,710 | 8,223 | 7,083 | 7,236 | -- | 590 | 23,378 | 26,748 |
| Iowa..... | 1,117 | 1,478 | 818 | 858 | 1,527 | 1,523 | -- | 166 | 3,463 | 4,026 |
| Kansas..... | 1,330 | 1,695 | 1,290 | 1,487 | 931 | 905 | -- | 39 | 3,551 | 4,126 |
| Minnesota..... | 1,785 | 2,216 | 1,658 | 1,866 | 1,888 | 1,995 | -- | 58 | 5,331 | 6,135 |
| Missouri..... | 2,960 | 3,630 | 2,606 | 2,732 | 1,381 | 1,371 | -- | 108 | 6,947 | 7,841 |
| Nebraska..... | 830 | 1,011 | 738 | 677 | 903 | 935 | -- | 130 | 2,470 | 2,753 |
| North Dakota..... | 249 | 301 | 297 | 297 | 269 | 328 | -- | 48 | 815 | 974 |
| South Dakota..... | 315 | 367 | 304 | 306 | 183 | 178 | -- | 42 | 802 | 893 |
| South Atlantic..... | 32,346 | 32,222 | 25,588 | 23,389 | 15,552 | 16,267 | 104 | 2,192 | 73,589 | 74,069 |
| Delaware..... | 416 | 426 | 371 | 357 | 286 | 346 | -- | 5 | 1,072 | 1,134 |
| District of Columbia..... | 218 | 216 | 907 | 845 | 21 | 22 | 28 | 36 | 1,174 | 1,119 |
| Florida..... | 11,256 | 11,041 | 8,061 | 7,393 | 1,554 | 1,650 | 8 | 515 | 20,878 | 20,599 |
| Georgia..... | 5,456 | 5,321 | 4,107 | 3,849 | 3,209 | 3,115 | 15 | 153 | 12,787 | 12,437 |
| Maryland..... | 2,582 | 2,592 | 1,502 | 1,524 | 1,947 | 2,601 | 39 | 70 | 6,071 | 6,787 |
| North Carolina..... | 4,953 | 4,993 | 4,085 | 3,899 | 2,917 | 3,045 | -- | 217 | 11,955 | 12,153 |
| South Carolina..... | 2,755 | 2,772 | 1,877 | 1,834 | 2,910 | 2,871 | -- | 84 | 7,542 | 7,562 |
| Virginia..... | 3,857 | 3,983 | 4,020 | 3,036 | 1,784 | 1,767 | 13 | 1,105 | 9,674 | 9,891 |
| West Virginia..... | 854 | 878 | 658 | 653 | 925 | 850 | * | 6 | 2,437 | 2,387 |
| East South Central..... | 11,103 | 11,534 | 7,587 | 7,299 | 10,721 | 10,478 | * | 578 | 29,412 | 29,889 |
| Alabama..... | 3,162 | 3,214 | 2,008 | 1,992 | 3,185 | 2,964 | -- | 68 | 8,355 | 8,237 |
| Kentucky..... | 2,295 | 2,486 | 1,714 | 1,459 | 3,314 | 3,286 | -- | 328 | 7,323 | 7,558 |
| Mississippi..... | 1,975 | 2,030 | 1,258 | 1,344 | 1,363 | 1,369 | -- | 98 | 4,596 | 4,841 |
| Tennessee..... | 3,671 | 3,804 | 2,607 | 2,504 | 2,860 | 2,859 | * | 85 | 9,138 | 9,252 |
| West South Central..... | 20,792 | 22,279 | 14,990 | 13,825 | 14,390 | 13,751 | 9 | 1,972 | 50,180 | 51,827 |
| Arkansas..... | 1,681 | 1,804 | 1,027 | 1,078 | 1,551 | 1,414 | -- | 73 | 4,260 | 4,369 |
| Louisiana..... | 3,217 | 3,146 | 2,155 | 1,986 | 2,419 | 2,290 | 2 | 230 | 7,793 | 7,652 |
| Oklahoma..... | 2,226 | 2,625 | 1,629 | 1,436 | 1,170 | 1,230 | -- | 430 | 5,025 | 5,722 |
| Texas..... | 13,667 | 14,705 | 10,178 | 9,324 | 9,250 | 8,816 | 8 | 1,239 | 33,103 | 34,084 |
| Mountain..... | 8,921 | 9,060 | 7,851 | 7,593 | 6,433 | 6,018 | 1 | 1,268 | 23,206 | 23,940 |
| Arizona..... | 3,599 | 3,611 | 2,522 | 2,351 | 994 | 995 | -- | 494 | 7,115 | 7,451 |
| Colorado..... | 1,508 | 1,614 | 1,696 | 1,782 | 1,040 | 887 | -- | 198 | 4,245 | 4,481 |
| Idaho..... | 557 | 562 | 487 | 495 | 969 | 1,032 | -- | 40 | 2,014 | 2,129 |
| Montana..... | 324 | 359 | 392 | 383 | 538 | 348 | -- | 28 | 1,255 | 1,119 |
| Nevada..... | 1,466 | 1,372 | 863 | 785 | 1,023 | 1,040 | -- | 60 | 3,352 | 3,256 |
| New Mexico..... | 553 | 573 | 792 | 710 | 473 | 409 | -- | 313 | 1,818 | 2,005 |
| Utah..... | 755 | 794 | 836 | 791 | 716 | 656 | 1 | 122 | 2,308 | 2,364 |
| Wyoming..... | 157 | 176 | 263 | 295 | 678 | 653 | -- | 12 | 1,099 | 1,136 |
| Pacific Contiguous..... | 12,209 | 11,780 | 15,378 | 13,774 | 7,923 | 6,679 | 69 | 1,081 | 35,579 | 33,314 |
| California..... | 8,833 | 8,545 | 11,489 | 10,329 | 4,789 | 4,352 | 64 | 684 | 25,176 | 23,909 |
| Oregon..... | 1,285 | 1,237 | 1,403 | 1,339 | 1,163 | 955 | 1 | 51 | 3,852 | 3,582 |
| Washington..... | 2,091 | 1,999 | 2,485 | 2,106 | 1,971 | 1,372 | 4 | 346 | 6,551 | 5,823 |
| Pacific Noncontiguous.... | 433 | 411 | 694 | 493 | 445 | 442 | -- | 21 | 1,572 | 1,367 |
| Alaska..... | 144 | 139 | 383 | 195 | 93 | 94 | -- | 15 | 620 | 443 |
| Hawaii..... | 289 | 272 | 311 | 298 | 352 | 348 | -- | 6 | 952 | 924 |
| U.S. Total..... | 126,724 | 133,889 | 113,211 | 108,218 | 89,701 | 88,825 | 657 | 10,550 | 330,293 | 341,481 |

¹ See Technical Notes for additional information on transportation.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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 August 2004 and 2003
(Million Kilowatthours)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation ¹ /Other | | All Sectors | |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------------------|---------------|------------------|------------------|
| | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 31,578 | 31,600 | 35,703 | 34,643 | 15,773 | 15,606 | 196 | 1,034 | 83,251 | 82,883 |
| Connecticut..... | 8,957 | 8,901 | 9,064 | 8,568 | 3,555 | 3,477 | 130 | 378 | 21,705 | 21,324 |
| Maine..... | 2,879 | 2,819 | 2,676 | 2,590 | 2,265 | 2,254 | -- | 38 | 7,820 | 7,700 |
| Massachusetts..... | 13,380 | 13,497 | 17,343 | 17,108 | 6,429 | 6,483 | 66 | 432 | 37,219 | 37,520 |
| New Hampshire..... | 2,890 | 2,879 | 2,913 | 2,782 | 1,567 | 1,511 | -- | 94 | 7,369 | 7,266 |
| Rhode Island..... | 2,023 | 2,056 | 2,367 | 2,305 | 899 | 865 | -- | 61 | 5,289 | 5,286 |
| Vermont..... | 1,449 | 1,448 | 1,341 | 1,291 | 1,058 | 1,017 | -- | 31 | 3,848 | 3,786 |
| Middle Atlantic..... | 86,026 | 84,871 | 104,524 | 94,285 | 52,573 | 55,388 | 2,846 | 10,734 | 245,969 | 245,278 |
| New Jersey..... | 19,457 | 19,012 | 25,581 | 24,337 | 7,493 | 7,581 | 202 | 350 | 52,732 | 51,279 |
| New York..... | 31,833 | 31,710 | 49,157 | 41,248 | 13,331 | 16,375 | 2,090 | 9,452 | 96,411 | 98,785 |
| Pennsylvania..... | 34,736 | 34,150 | 29,786 | 28,700 | 31,749 | 31,432 | 554 | 932 | 96,826 | 95,214 |
| East North Central..... | 119,638 | 122,778 | 115,639 | 109,556 | 139,869 | 137,616 | 389 | 10,891 | 375,536 | 380,840 |
| Illinois..... | 27,153 | 29,801 | 31,335 | 29,790 | 27,616 | 26,288 | 341 | 6,445 | 86,446 | 92,324 |
| Indiana..... | 21,482 | 21,130 | 15,509 | 14,452 | 32,258 | 31,533 | 11 | 532 | 69,260 | 67,646 |
| Michigan..... | 22,485 | 23,022 | 24,962 | 24,802 | 23,087 | 23,459 | 3 | 555 | 70,537 | 71,838 |
| Ohio..... | 34,435 | 34,253 | 30,649 | 27,624 | 39,151 | 38,646 | 34 | 2,853 | 104,270 | 103,376 |
| Wisconsin..... | 14,082 | 14,572 | 13,185 | 12,888 | 17,757 | 17,690 | -- | 506 | 45,024 | 45,656 |
| West North Central..... | 63,268 | 65,173 | 57,367 | 55,510 | 53,490 | 52,492 | -- | 4,218 | 174,124 | 177,394 |
| Iowa..... | 8,520 | 8,945 | 6,352 | 5,852 | 11,417 | 11,302 | -- | 1,184 | 26,290 | 27,283 |
| Kansas..... | 8,610 | 9,036 | 9,065 | 9,343 | 7,217 | 6,812 | -- | 276 | 24,892 | 25,467 |
| Minnesota..... | 13,535 | 13,939 | 12,820 | 12,894 | 14,894 | 15,133 | -- | 444 | 41,249 | 42,409 |
| Missouri..... | 21,718 | 22,105 | 19,020 | 18,121 | 10,638 | 10,401 | -- | 825 | 51,377 | 51,452 |
| Nebraska..... | 5,961 | 6,125 | 5,522 | 4,967 | 5,940 | 5,664 | -- | 876 | 17,423 | 17,632 |
| North Dakota..... | 2,426 | 2,477 | 2,392 | 2,251 | 2,087 | 2,030 | -- | 331 | 6,906 | 7,089 |
| South Dakota..... | 2,496 | 2,547 | 2,196 | 2,083 | 1,296 | 1,152 | -- | 281 | 5,988 | 6,063 |
| South Atlantic..... | 228,706 | 218,559 | 182,728 | 161,852 | 116,274 | 118,935 | 667 | 15,448 | 528,374 | 514,793 |
| Delaware..... | 2,970 | 2,874 | 2,700 | 2,551 | 2,256 | 2,553 | -- | 70 | 7,926 | 8,048 |
| District of Columbia..... | 1,321 | 1,251 | 6,134 | 5,821 | 190 | 192 | 28 | 255 | 7,673 | 7,518 |
| Florida..... | 75,309 | 75,008 | 57,449 | 52,009 | 13,090 | 12,883 | 62 | 3,914 | 145,910 | 143,814 |
| Georgia..... | 35,938 | 32,971 | 28,378 | 26,144 | 23,958 | 23,176 | 120 | 1,158 | 88,395 | 83,448 |
| Maryland..... | 19,266 | 18,298 | 11,630 | 10,898 | 14,516 | 17,573 | 342 | 544 | 45,753 | 47,313 |
| North Carolina..... | 36,674 | 34,310 | 29,034 | 26,645 | 20,614 | 21,421 | -- | 1,484 | 86,322 | 83,860 |
| South Carolina..... | 19,984 | 18,449 | 13,434 | 12,321 | 21,292 | 21,034 | -- | 628 | 54,709 | 52,432 |
| Virginia..... | 29,796 | 28,268 | 29,115 | 20,687 | 13,169 | 12,997 | 112 | 7,347 | 72,191 | 69,299 |
| West Virginia..... | 7,449 | 7,130 | 4,854 | 4,776 | 7,189 | 7,105 | 3 | 49 | 19,494 | 19,060 |
| East South Central..... | 78,526 | 76,081 | 53,899 | 49,253 | 84,649 | 81,459 | 1 | 4,060 | 217,075 | 210,853 |
| Alabama..... | 21,498 | 20,515 | 14,239 | 13,336 | 23,932 | 22,089 | -- | 528 | 59,669 | 56,467 |
| Kentucky..... | 17,642 | 17,109 | 12,433 | 9,991 | 28,073 | 27,882 | -- | 2,269 | 58,147 | 57,252 |
| Mississippi..... | 12,238 | 12,190 | 8,390 | 8,399 | 10,407 | 9,908 | -- | 557 | 31,034 | 31,054 |
| Tennessee..... | 27,149 | 26,267 | 18,838 | 17,526 | 22,237 | 21,580 | 1 | 707 | 68,224 | 66,080 |
| West South Central..... | 125,978 | 130,595 | 99,434 | 88,457 | 110,031 | 102,534 | 50 | 11,834 | 335,493 | 333,420 |
| Arkansas..... | 10,702 | 10,768 | 6,900 | 6,923 | 11,263 | 10,792 | -- | 447 | 28,866 | 28,931 |
| Louisiana..... | 19,067 | 19,105 | 14,608 | 13,374 | 18,488 | 17,844 | 2 | 1,694 | 52,165 | 52,017 |
| Oklahoma..... | 13,684 | 14,294 | 11,355 | 9,103 | 9,000 | 8,684 | -- | 2,795 | 34,039 | 34,877 |
| Texas..... | 82,525 | 86,428 | 66,571 | 59,056 | 71,280 | 65,213 | 48 | 6,898 | 220,424 | 217,595 |
| Mountain..... | 55,722 | 53,914 | 56,136 | 51,719 | 47,778 | 42,931 | 17 | 6,992 | 159,653 | 155,556 |
| Arizona..... | 19,792 | 18,727 | 17,230 | 15,250 | 7,427 | 7,227 | -- | 2,657 | 44,449 | 43,861 |
| Colorado..... | 10,500 | 10,492 | 12,936 | 12,401 | 7,623 | 6,705 | -- | 1,105 | 31,059 | 30,704 |
| Idaho..... | 4,858 | 4,662 | 3,641 | 3,820 | 6,421 | 5,636 | -- | 242 | 14,920 | 14,359 |
| Montana..... | 2,707 | 2,754 | 2,820 | 2,700 | 3,982 | 2,352 | -- | 182 | 9,510 | 7,988 |
| Nevada..... | 7,559 | 7,204 | 5,658 | 5,249 | 8,121 | 7,556 | -- | 386 | 21,338 | 20,395 |
| New Mexico..... | 3,793 | 3,650 | 5,555 | 4,623 | 3,552 | 3,263 | -- | 1,612 | 12,900 | 13,148 |
| Utah..... | 5,000 | 4,891 | 6,095 | 5,530 | 5,316 | 5,007 | 17 | 726 | 16,428 | 16,154 |
| Wyoming..... | 1,513 | 1,535 | 2,201 | 2,145 | 5,336 | 5,185 | -- | 83 | 9,049 | 8,948 |
| Pacific Contiguous..... | 91,137 | 88,162 | 107,093 | 97,149 | 56,290 | 49,291 | 524 | 6,574 | 255,044 | 241,175 |
| California..... | 57,308 | 54,598 | 77,655 | 70,690 | 33,063 | 31,273 | 485 | 3,865 | 168,511 | 160,427 |
| Oregon..... | 12,031 | 11,923 | 10,480 | 9,981 | 8,500 | 7,453 | 10 | 345 | 31,021 | 29,702 |
| Washington..... | 21,798 | 21,640 | 18,958 | 16,477 | 14,726 | 10,565 | 28 | 2,363 | 55,511 | 51,046 |
| Pacific Noncontiguous.... | 3,459 | 3,246 | 5,325 | 5,607 | 3,324 | 3,157 | -- | 190 | 12,107 | 12,200 |
| Alaska..... | 1,370 | 1,330 | 3,079 | 3,506 | 726 | 712 | -- | 148 | 5,176 | 5,696 |
| Hawaii..... | 2,089 | 1,916 | 2,245 | 2,101 | 2,598 | 2,445 | -- | 41 | 6,932 | 6,504 |
| U.S. Total..... | 884,039 | 874,980 | 817,849 | 748,031 | 680,050 | 659,408 | 4,690 | 71,974 | 2,386,627 | 2,354,393 |

¹ See Technical Notes for additional information on transportation.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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, August 2004 and 2003
(Million Dollars)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation ¹ /Other | | All Sectors | |
|----------------------------------|---------------|---------------|--------------|--------------|--------------|--------------|------------------------------------|------------|---------------|---------------|
| | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 532 | 550 | 547 | 526 | 170 | 176 | 2 | 20 | 1,250 | 1,272 |
| Connecticut..... | 155 | 153 | 127 | 122 | 43 | 41 | 1 | 5 | 326 | 320 |
| Maine..... | 47 | 46 | 40 | 31 | 10 | 9 | -- | 1 | 96 | 87 |
| Massachusetts..... | 222 | 238 | 280 | 278 | 75 | 84 | 1 | 9 | 577 | 609 |
| New Hampshire..... | 50 | 48 | 45 | 40 | 21 | 20 | -- | 2 | 116 | 109 |
| Rhode Island..... | 35 | 42 | 35 | 37 | 10 | 12 | -- | 2 | 80 | 92 |
| Vermont..... | 23 | 24 | 20 | 19 | 11 | 10 | -- | 1 | 54 | 54 |
| Middle Atlantic..... | 1,546 | 1,587 | 1,589 | 1,561 | 451 | 455 | 27 | 125 | 3,614 | 3,728 |
| New Jersey..... | 383 | 400 | 410 | 369 | 89 | 97 | 2 | 9 | 884 | 875 |
| New York..... | 695 | 709 | 828 | 849 | 115 | 109 | 20 | 103 | 1,658 | 1,771 |
| Pennsylvania..... | 468 | 477 | 351 | 343 | 247 | 248 | 5 | 13 | 1,072 | 1,082 |
| East North Central..... | 1,405 | 1,589 | 1,205 | 1,156 | 892 | 876 | 3 | 89 | 3,505 | 3,711 |
| Illinois..... | 343 | 446 | 334 | 355 | 198 | 183 | 2 | 46 | 878 | 1,030 |
| Indiana..... | 214 | 223 | 136 | 129 | 181 | 170 | * | 8 | 531 | 530 |
| Michigan..... | 267 | 305 | 274 | 253 | 153 | 149 | * | 8 | 694 | 714 |
| Ohio..... | 406 | 421 | 328 | 290 | 238 | 255 | * | 21 | 972 | 987 |
| Wisconsin..... | 175 | 195 | 133 | 129 | 122 | 120 | -- | 6 | 430 | 450 |
| West North Central..... | 738 | 874 | 545 | 560 | 356 | 344 | -- | 39 | 1,639 | 1,817 |
| Iowa..... | 115 | 133 | 67 | 62 | 77 | 70 | -- | 11 | 259 | 276 |
| Kansas..... | 114 | 140 | 91 | 101 | 46 | 44 | -- | 4 | 251 | 290 |
| Minnesota..... | 159 | 185 | 118 | 128 | 97 | 97 | -- | 5 | 375 | 414 |
| Missouri..... | 237 | 286 | 180 | 187 | 73 | 71 | -- | 7 | 489 | 551 |
| Nebraska..... | 68 | 79 | 49 | 43 | 42 | 40 | -- | 8 | 159 | 171 |
| North Dakota..... | 20 | 22 | 20 | 19 | 12 | 13 | -- | 2 | 51 | 56 |
| South Dakota..... | 26 | 29 | 21 | 21 | 9 | 8 | -- | 2 | 55 | 60 |
| South Atlantic..... | 2,819 | 2,740 | 1,848 | 1,632 | 776 | 758 | 6 | 147 | 5,450 | 5,277 |
| Delaware..... | 40 | 40 | 31 | 28 | 16 | 17 | -- | 1 | 87 | 85 |
| District of Columbia..... | 20 | 20 | 76 | 70 | 2 | 1 | 1 | 1 | 99 | 93 |
| Florida..... | 1,003 | 966 | 602 | 532 | 100 | 92 | 1 | 41 | 1,705 | 1,631 |
| Georgia..... | 471 | 448 | 288 | 259 | 154 | 142 | 1 | 13 | 914 | 862 |
| Maryland..... | 239 | 231 | 158 | 142 | 105 | 110 | 3 | 13 | 505 | 496 |
| North Carolina..... | 434 | 424 | 284 | 261 | 155 | 155 | -- | 15 | 874 | 854 |
| South Carolina..... | 228 | 223 | 135 | 125 | 129 | 123 | -- | 6 | 493 | 478 |
| Virginia..... | 330 | 334 | 239 | 178 | 79 | 75 | 1 | 58 | 649 | 644 |
| West Virginia..... | 54 | 55 | 35 | 35 | 36 | 43 | * | 1 | 125 | 133 |
| East South Central..... | 812 | 796 | 532 | 477 | 476 | 441 | * | 37 | 1,820 | 1,750 |
| Alabama..... | 247 | 243 | 146 | 138 | 143 | 131 | -- | 5 | 536 | 516 |
| Kentucky..... | 142 | 147 | 99 | 80 | 131 | 125 | -- | 15 | 372 | 367 |
| Mississippi..... | 173 | 162 | 104 | 96 | 69 | 59 | -- | 8 | 345 | 325 |
| Tennessee..... | 251 | 244 | 183 | 162 | 134 | 126 | * | 9 | 567 | 541 |
| West South Central..... | 2,011 | 2,081 | 1,196 | 1,089 | 834 | 747 | 1 | 149 | 4,041 | 4,066 |
| Arkansas..... | 134 | 143 | 63 | 66 | 73 | 62 | -- | 6 | 270 | 276 |
| Louisiana..... | 285 | 268 | 176 | 153 | 155 | 137 | * | 19 | 615 | 578 |
| Oklahoma..... | 184 | 218 | 122 | 110 | 62 | 62 | -- | 28 | 368 | 417 |
| Texas..... | 1,408 | 1,452 | 835 | 759 | 544 | 487 | 1 | 97 | 2,788 | 2,795 |
| Mountain..... | 775 | 747 | 578 | 530 | 350 | 322 | * | 59 | 1,702 | 1,658 |
| Arizona..... | 320 | 316 | 196 | 179 | 58 | 57 | -- | 18 | 574 | 570 |
| Colorado..... | 128 | 129 | 121 | 116 | 55 | 46 | -- | 12 | 304 | 303 |
| Idaho..... | 37 | 34 | 27 | 25 | 39 | 40 | -- | 2 | 103 | 102 |
| Montana..... | 27 | 30 | 28 | 27 | 24 | 17 | -- | 2 | 79 | 75 |
| Nevada..... | 142 | 119 | 77 | 68 | 91 | 92 | -- | 4 | 309 | 281 |
| New Mexico..... | 51 | 51 | 61 | 54 | 26 | 21 | -- | 16 | 138 | 143 |
| Utah..... | 59 | 56 | 51 | 43 | 31 | 26 | * | 5 | 142 | 130 |
| Wyoming..... | 12 | 13 | 17 | 17 | 26 | 24 | -- | 1 | 54 | 55 |
| Pacific Contiguous..... | 1,292 | 1,279 | 1,710 | 1,631 | 561 | 517 | 5 | 64 | 3,568 | 3,492 |
| California..... | 1,067 | 1,065 | 1,472 | 1,422 | 435 | 411 | 5 | 42 | 2,979 | 2,940 |
| Oregon..... | 92 | 89 | 90 | 83 | 49 | 46 | * | 4 | 230 | 223 |
| Washington..... | 133 | 125 | 148 | 126 | 77 | 60 | * | 18 | 358 | 329 |
| Pacific Noncontiguous.... | 70 | 62 | 97 | 64 | 53 | 48 | -- | 3 | 221 | 177 |
| Alaska..... | 18 | 17 | 46 | 20 | 7 | 7 | -- | 2 | 72 | 46 |
| Hawaii..... | 52 | 45 | 51 | 44 | 46 | 41 | -- | 1 | 149 | 131 |
| U.S. Total..... | 12,000 | 12,305 | 9,847 | 9,227 | 4,919 | 4,684 | 44 | 732 | 26,810 | 26,948 |

¹ See Technical Notes for additional information on transportation.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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 August 2004 and 2003
(Million Dollars)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation ¹ /Other | | All Sectors | |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------------------------|--------------|----------------|----------------|
| | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 3,793 | 3,642 | 3,842 | 3,431 | 1,240 | 1,225 | 13 | 147 | 8,888 | 8,446 |
| Connecticut..... | 1,086 | 994 | 926 | 823 | 303 | 280 | 10 | 38 | 2,325 | 2,135 |
| Maine..... | 364 | 365 | 310 | 240 | 75 | 81 | -- | 9 | 749 | 695 |
| Massachusetts..... | 1,551 | 1,523 | 1,881 | 1,721 | 544 | 567 | 3 | 68 | 3,979 | 3,879 |
| New Hampshire..... | 360 | 344 | 319 | 284 | 157 | 142 | -- | 12 | 835 | 781 |
| Rhode Island..... | 244 | 232 | 253 | 219 | 77 | 74 | -- | 15 | 574 | 540 |
| Vermont..... | 189 | 185 | 153 | 144 | 84 | 81 | -- | 6 | 426 | 416 |
| Middle Atlantic..... | 10,170 | 9,781 | 11,050 | 10,020 | 3,343 | 3,227 | 163 | 971 | 24,725 | 23,999 |
| New Jersey..... | 2,229 | 2,015 | 2,517 | 2,191 | 671 | 576 | 22 | 63 | 5,439 | 4,845 |
| New York..... | 4,594 | 4,494 | 5,935 | 5,382 | 808 | 831 | 101 | 798 | 11,438 | 11,506 |
| Pennsylvania..... | 3,347 | 3,271 | 2,597 | 2,447 | 1,864 | 1,819 | 40 | 110 | 7,849 | 7,649 |
| East North Central..... | 9,995 | 10,027 | 8,555 | 8,154 | 6,514 | 6,338 | 24 | 670 | 25,088 | 25,189 |
| Illinois..... | 2,324 | 2,514 | 2,357 | 2,447 | 1,321 | 1,331 | 19 | 362 | 6,021 | 6,653 |
| Indiana..... | 1,549 | 1,468 | 965 | 873 | 1,327 | 1,247 | 1 | 46 | 3,842 | 3,634 |
| Michigan..... | 1,924 | 1,962 | 1,930 | 1,820 | 1,116 | 1,123 | * | 65 | 4,970 | 4,971 |
| Ohio..... | 2,919 | 2,835 | 2,350 | 2,128 | 1,876 | 1,805 | 3 | 153 | 7,147 | 6,921 |
| Wisconsin..... | 1,279 | 1,248 | 953 | 887 | 875 | 832 | -- | 43 | 3,107 | 3,009 |
| West North Central..... | 4,864 | 4,893 | 3,638 | 3,452 | 2,431 | 2,315 | -- | 280 | 10,932 | 10,939 |
| Iowa..... | 768 | 766 | 453 | 394 | 506 | 480 | -- | 77 | 1,727 | 1,716 |
| Kansas..... | 675 | 704 | 593 | 610 | 332 | 322 | -- | 27 | 1,600 | 1,663 |
| Minnesota..... | 1,091 | 1,082 | 826 | 805 | 702 | 673 | -- | 36 | 2,619 | 2,596 |
| Missouri..... | 1,564 | 1,568 | 1,152 | 1,090 | 488 | 468 | -- | 52 | 3,204 | 3,179 |
| Nebraska..... | 413 | 419 | 324 | 283 | 255 | 234 | -- | 62 | 993 | 998 |
| North Dakota..... | 163 | 162 | 145 | 134 | 87 | 85 | -- | 14 | 395 | 395 |
| South Dakota..... | 190 | 192 | 144 | 136 | 60 | 53 | -- | 11 | 394 | 392 |
| South Atlantic..... | 19,008 | 17,627 | 12,823 | 10,873 | 5,316 | 5,110 | 36 | 1,036 | 37,183 | 34,646 |
| Delaware..... | 258 | 245 | 203 | 187 | 110 | 110 | -- | 8 | 572 | 550 |
| District of Columbia..... | 111 | 106 | 456 | 432 | 10 | 9 | 1 | 8 | 578 | 556 |
| Florida..... | 6,735 | 6,355 | 4,335 | 3,624 | 764 | 697 | 5 | 303 | 11,839 | 10,979 |
| Georgia..... | 2,864 | 2,579 | 1,963 | 1,730 | 1,056 | 946 | 6 | 100 | 5,890 | 5,355 |
| Maryland..... | 1,543 | 1,419 | 1,014 | 850 | 655 | 672 | 18 | 71 | 3,230 | 3,011 |
| North Carolina..... | 3,054 | 2,813 | 1,944 | 1,746 | 1,006 | 1,003 | -- | 102 | 6,004 | 5,664 |
| South Carolina..... | 1,592 | 1,450 | 930 | 830 | 872 | 839 | -- | 43 | 3,394 | 3,161 |
| Virginia..... | 2,388 | 2,217 | 1,712 | 1,215 | 566 | 554 | 7 | 396 | 4,673 | 4,382 |
| West Virginia..... | 462 | 444 | 265 | 259 | 276 | 280 | * | 5 | 1,003 | 988 |
| East South Central..... | 5,535 | 5,101 | 3,706 | 3,192 | 3,476 | 3,180 | * | 268 | 12,717 | 11,740 |
| Alabama..... | 1,627 | 1,491 | 1,022 | 909 | 1,018 | 890 | -- | 37 | 3,667 | 3,327 |
| Kentucky..... | 1,055 | 986 | 685 | 543 | 947 | 912 | -- | 109 | 2,688 | 2,550 |
| Mississippi..... | 995 | 932 | 670 | 606 | 500 | 445 | -- | 53 | 2,164 | 2,036 |
| Tennessee..... | 1,858 | 1,692 | 1,329 | 1,134 | 1,011 | 933 | * | 68 | 4,198 | 3,827 |
| West South Central..... | 11,271 | 11,312 | 7,503 | 6,746 | 5,919 | 5,348 | 4 | 876 | 24,696 | 24,281 |
| Arkansas..... | 796 | 797 | 404 | 404 | 475 | 459 | -- | 34 | 1,674 | 1,693 |
| Louisiana..... | 1,535 | 1,509 | 1,115 | 991 | 1,067 | 989 | * | 136 | 3,717 | 3,625 |
| Oklahoma..... | 1,054 | 1,091 | 749 | 628 | 427 | 416 | -- | 161 | 2,231 | 2,296 |
| Texas..... | 7,886 | 7,915 | 5,235 | 4,724 | 3,949 | 3,484 | 3 | 544 | 17,074 | 16,667 |
| Mountain..... | 4,574 | 4,320 | 3,949 | 3,535 | 2,426 | 2,169 | 1 | 364 | 10,950 | 10,388 |
| Arizona..... | 1,672 | 1,571 | 1,275 | 1,113 | 406 | 389 | -- | 110 | 3,353 | 3,182 |
| Colorado..... | 871 | 832 | 872 | 792 | 404 | 333 | -- | 75 | 2,147 | 2,032 |
| Idaho..... | 295 | 301 | 195 | 215 | 252 | 233 | -- | 13 | 741 | 763 |
| Montana..... | 210 | 207 | 198 | 171 | 165 | 107 | -- | 15 | 573 | 500 |
| Nevada..... | 722 | 649 | 502 | 466 | 594 | 568 | -- | 25 | 1,818 | 1,708 |
| New Mexico..... | 333 | 318 | 417 | 347 | 182 | 159 | -- | 90 | 932 | 912 |
| Utah..... | 363 | 335 | 359 | 307 | 218 | 188 | 1 | 30 | 942 | 861 |
| Wyoming..... | 106 | 107 | 132 | 124 | 206 | 193 | -- | 5 | 444 | 430 |
| Pacific Contiguous..... | 9,024 | 8,976 | 11,038 | 10,944 | 3,750 | 3,589 | 32 | 416 | 23,844 | 23,925 |
| California..... | 6,785 | 6,788 | 9,218 | 9,303 | 2,825 | 2,773 | 30 | 274 | 18,858 | 19,137 |
| Oregon..... | 855 | 841 | 678 | 634 | 360 | 348 | 1 | 29 | 1,894 | 1,852 |
| Washington..... | 1,384 | 1,347 | 1,141 | 1,008 | 565 | 468 | 2 | 113 | 3,092 | 2,936 |
| Pacific Noncontiguous.... | 535 | 489 | 721 | 814 | 391 | 349 | -- | 28 | 1,647 | 1,680 |
| Alaska..... | 168 | 171 | 362 | 496 | 59 | 54 | -- | 22 | 589 | 743 |
| Hawaii..... | 366 | 318 | 359 | 318 | 333 | 295 | -- | 6 | 1,058 | 937 |
| U.S. Total..... | 78,768 | 76,169 | 66,823 | 61,161 | 34,807 | 32,849 | 273 | 5,055 | 180,672 | 175,233 |

¹ See Technical Notes for additional information on transportation.

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

Notes: • See Glossary for definitions. • Values for 2003 and 2004 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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, August 2004 and 2003
(Cents per Kilowatthour)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation ¹ /Other | | All Sectors | |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------------|--------------|--------------|--------------|
| | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 | Aug 2004 | Aug 2003 |
| New England..... | 12.36 | 12.02 | 11.34 | 10.77 | 8.10 | 8.39 | 3.82 | 16.15 | 11.10 | 10.89 |
| Connecticut..... | 12.44 | 11.61 | 10.47 | 10.10 | 8.96 | 8.39 | 7.68 | 10.74 | 11.05 | 10.49 |
| Maine..... | 12.49 | 12.68 | 10.90 | 8.25 | 3.02 | 3.12 | -- | 29.07 | 9.10 | 8.45 |
| Massachusetts..... | 12.11 | 12.00 | 11.93 | 11.58 | 8.96 | 9.75 | 1.90 | 18.73 | 11.44 | 11.50 |
| New Hampshire..... | 12.74 | 12.01 | 11.24 | 10.17 | 10.24 | 9.44 | -- | 12.94 | 11.62 | 10.77 |
| Rhode Island..... | 12.30 | 12.61 | 10.90 | 10.76 | 8.90 | 10.03 | -- | 28.40 | 11.13 | 11.57 |
| Vermont..... | 13.37 | 12.93 | 11.47 | 11.10 | 7.68 | 7.93 | -- | 19.73 | 11.08 | 11.01 |
| Middle Atlantic..... | 12.73 | 12.50 | 12.20 | 11.80 | 6.39 | 6.16 | 7.14 | 9.89 | 11.08 | 10.78 |
| New Jersey..... | 12.48 | 12.13 | 11.37 | 10.83 | 8.58 | 10.24 | 9.92 | 19.81 | 11.44 | 11.37 |
| New York..... | 15.33 | 14.94 | 15.18 | 14.46 | 6.47 | 5.15 | 6.89 | 9.29 | 13.75 | 12.78 |
| Pennsylvania..... | 10.29 | 10.27 | 8.86 | 8.69 | 5.83 | 5.76 | 7.29 | 11.54 | 8.35 | 8.31 |
| East North Central..... | 8.85 | 8.53 | 7.74 | 7.46 | 4.96 | 4.74 | 6.08 | 6.07 | 7.08 | 6.86 |
| Illinois..... | 9.12 | 8.99 | 8.16 | 8.18 | 5.50 | 4.98 | 5.72 | 5.60 | 7.63 | 7.47 |
| Indiana..... | 7.57 | 7.02 | 6.43 | 6.10 | 4.35 | 4.07 | 8.94 | 7.69 | 5.84 | 5.54 |
| Michigan..... | 8.86 | 8.83 | 7.99 | 7.30 | 5.21 | 5.02 | 10.38 | 12.00 | 7.40 | 7.18 |
| Ohio..... | 9.14 | 8.71 | 7.85 | 7.72 | 4.80 | 4.88 | 9.44 | 5.24 | 7.16 | 6.94 |
| Wisconsin..... | 9.52 | 8.79 | 7.61 | 7.08 | 5.20 | 4.90 | -- | 8.20 | 7.25 | 6.85 |
| West North Central..... | 8.60 | 8.17 | 7.07 | 6.81 | 5.03 | 4.76 | -- | 6.55 | 7.01 | 6.79 |
| Iowa..... | 10.29 | 8.99 | 8.16 | 7.18 | 5.04 | 4.60 | -- | 6.62 | 7.47 | 6.85 |
| Kansas..... | 8.54 | 8.27 | 7.05 | 6.81 | 4.99 | 4.89 | -- | 10.16 | 7.07 | 7.02 |
| Minnesota..... | 8.93 | 8.36 | 7.11 | 6.84 | 5.15 | 4.85 | -- | 8.21 | 7.03 | 6.75 |
| Missouri..... | 7.99 | 7.87 | 6.91 | 6.84 | 5.26 | 5.19 | -- | 6.64 | 7.04 | 7.02 |
| Nebraska..... | 8.15 | 7.78 | 6.67 | 6.39 | 4.67 | 4.32 | -- | 6.46 | 6.44 | 6.20 |
| North Dakota..... | 7.91 | 7.36 | 6.63 | 6.30 | 4.43 | 4.08 | -- | 4.01 | 6.29 | 5.77 |
| South Dakota..... | 8.25 | 8.00 | 6.79 | 6.86 | 4.75 | 4.57 | -- | 3.60 | 6.90 | 6.72 |
| South Atlantic..... | 8.72 | 8.50 | 7.22 | 6.98 | 4.99 | 4.66 | 5.60 | 6.73 | 7.41 | 7.12 |
| Delaware..... | 9.66 | 9.35 | 8.24 | 7.83 | 5.61 | 4.77 | -- | 14.36 | 8.09 | 7.49 |
| District of Columbia..... | 9.26 | 9.42 | 8.37 | 8.34 | 8.35 | 6.53 | 2.58 | 2.93 | 8.39 | 8.34 |
| Florida..... | 8.91 | 8.75 | 7.46 | 7.20 | 6.43 | 5.58 | 7.67 | 7.92 | 8.17 | 7.92 |
| Georgia..... | 8.62 | 8.42 | 7.02 | 6.73 | 4.81 | 4.55 | 5.85 | 8.81 | 7.15 | 6.93 |
| Maryland..... | 9.27 | 8.90 | 10.51 | 9.33 | 5.41 | 4.23 | 6.92 | 18.29 | 8.32 | 7.30 |
| North Carolina..... | 8.77 | 8.49 | 6.95 | 6.70 | 5.33 | 5.08 | -- | 6.75 | 7.31 | 7.03 |
| South Carolina..... | 8.29 | 8.06 | 7.21 | 6.83 | 4.43 | 4.30 | -- | 6.84 | 6.53 | 6.32 |
| Virginia..... | 8.56 | 8.37 | 5.95 | 5.88 | 4.43 | 4.22 | 6.69 | 5.22 | 6.71 | 6.51 |
| West Virginia..... | 6.27 | 6.22 | 5.39 | 5.32 | 3.85 | 5.07 | 5.36 | 10.80 | 5.11 | 5.58 |
| East South Central..... | 7.31 | 6.90 | 7.01 | 6.54 | 4.44 | 4.21 | 10.58 | 6.38 | 6.19 | 5.86 |
| Alabama..... | 7.81 | 7.55 | 7.25 | 6.93 | 4.50 | 4.42 | -- | 7.15 | 6.41 | 6.27 |
| Kentucky..... | 6.18 | 5.92 | 5.78 | 5.52 | 3.96 | 3.79 | -- | 4.66 | 5.08 | 4.86 |
| Mississippi..... | 8.74 | 7.96 | 8.29 | 7.15 | 5.03 | 4.34 | -- | 8.24 | 7.52 | 6.72 |
| Tennessee..... | 6.83 | 6.43 | 7.02 | 6.49 | 4.67 | 4.40 | 10.58 | 10.25 | 6.21 | 5.85 |
| West South Central..... | 9.67 | 9.34 | 7.98 | 7.88 | 5.79 | 5.44 | 7.48 | 7.58 | 8.05 | 7.85 |
| Arkansas..... | 8.00 | 7.93 | 6.10 | 6.13 | 4.69 | 4.37 | -- | 7.60 | 6.33 | 6.33 |
| Louisiana..... | 8.85 | 8.52 | 8.16 | 7.72 | 6.39 | 5.98 | 7.60 | 8.40 | 7.90 | 7.55 |
| Oklahoma..... | 8.25 | 8.30 | 7.51 | 7.67 | 5.31 | 5.00 | -- | 6.45 | 7.33 | 7.29 |
| Texas..... | 10.30 | 9.87 | 8.21 | 8.14 | 5.88 | 5.52 | 7.45 | 7.82 | 8.42 | 8.20 |
| Mountain..... | 8.68 | 8.25 | 7.36 | 6.97 | 5.44 | 5.35 | 5.70 | 4.69 | 7.33 | 6.93 |
| Arizona..... | 8.88 | 8.75 | 7.78 | 7.63 | 5.84 | 5.70 | -- | 3.57 | 8.07 | 7.65 |
| Colorado..... | 8.50 | 7.97 | 7.12 | 6.50 | 5.24 | 5.17 | -- | 6.27 | 7.15 | 6.76 |
| Idaho..... | 6.57 | 6.04 | 5.50 | 5.11 | 4.04 | 3.91 | -- | 5.29 | 5.10 | 4.77 |
| Montana..... | 8.29 | 8.30 | 7.26 | 7.01 | 4.45 | 4.78 | -- | 7.70 | 6.32 | 6.75 |
| Nevada..... | 9.66 | 8.64 | 8.89 | 8.64 | 8.87 | 8.81 | -- | 6.01 | 9.22 | 8.65 |
| New Mexico..... | 9.20 | 8.99 | 7.66 | 7.63 | 5.53 | 5.14 | -- | 5.16 | 7.58 | 7.12 |
| Utah..... | 7.79 | 7.07 | 6.14 | 5.45 | 4.39 | 3.91 | 5.70 | 3.78 | 6.14 | 5.48 |
| Wyoming..... | 7.46 | 7.26 | 6.30 | 5.74 | 3.82 | 3.70 | -- | 5.77 | 4.93 | 4.80 |
| Pacific Contiguous..... | 10.58 | 10.86 | 11.12 | 11.84 | 7.08 | 7.74 | 7.58 | 5.92 | 10.03 | 10.48 |
| California..... | 12.09 | 12.46 | 12.81 | 13.76 | 9.08 | 9.44 | 7.67 | 6.15 | 11.83 | 12.30 |
| Oregon..... | 7.15 | 7.20 | 6.38 | 6.22 | 4.21 | 4.86 | 6.39 | 8.10 | 5.98 | 6.22 |
| Washington..... | 6.35 | 6.26 | 5.97 | 5.99 | 3.90 | 4.36 | 6.49 | 5.14 | 5.47 | 5.65 |
| Pacific Noncontiguous.... | 16.20 | 14.98 | 14.01 | 13.00 | 12.00 | 10.91 | -- | 14.62 | 14.04 | 12.95 |
| Alaska..... | 12.58 | 12.20 | 12.03 | 10.11 | 7.82 | 7.31 | -- | 14.84 | 11.53 | 10.32 |
| Hawaii..... | 18.01 | 16.39 | 16.43 | 14.90 | 13.11 | 11.89 | -- | 14.07 | 15.68 | 14.20 |
| U.S. Total..... | 9.47 | 9.19 | 8.70 | 8.53 | 5.48 | 5.27 | 6.63 | 6.94 | 8.12 | 7.89 |

¹ See Technical Notes for additional information on transportation.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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 August 2004 and 2003
(Cents per Kilowatthour)

| Census Division and State | Residential | | Commercial | | Industrial | | Transportation ¹ /Other | | All Sectors | |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------------|--------------|--------------|--------------|
| | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 | 2004 | 2003 |
| New England..... | 12.01 | 11.53 | 10.76 | 9.90 | 7.86 | 7.85 | 6.87 | 14.23 | 10.68 | 10.19 |
| Connecticut..... | 12.12 | 11.16 | 10.21 | 9.61 | 8.52 | 8.05 | 7.80 | 9.98 | 10.71 | 10.01 |
| Maine..... | 12.66 | 12.96 | 11.57 | 9.26 | 3.33 | 3.58 | -- | 23.48 | 9.58 | 9.02 |
| Massachusetts..... | 11.59 | 11.29 | 10.85 | 10.06 | 8.46 | 8.74 | 5.02 | 15.71 | 10.69 | 10.34 |
| New Hampshire..... | 12.44 | 11.93 | 10.95 | 10.20 | 10.02 | 9.42 | -- | 12.34 | 11.34 | 10.75 |
| Rhode Island..... | 12.05 | 11.28 | 10.70 | 9.50 | 8.54 | 8.60 | -- | 24.86 | 10.85 | 10.22 |
| Vermont..... | 13.01 | 12.74 | 11.42 | 11.17 | 7.93 | 8.00 | -- | 18.88 | 11.06 | 10.98 |
| Middle Atlantic..... | 11.82 | 11.52 | 10.57 | 10.63 | 6.36 | 5.83 | 5.73 | 9.04 | 10.05 | 9.78 |
| New Jersey..... | 11.45 | 10.60 | 9.84 | 9.00 | 8.96 | 7.60 | 10.89 | 17.88 | 10.31 | 9.45 |
| New York..... | 14.43 | 14.17 | 12.07 | 13.05 | 6.06 | 5.08 | 4.83 | 8.44 | 11.86 | 11.65 |
| Pennsylvania..... | 9.64 | 9.58 | 8.72 | 8.53 | 5.87 | 5.79 | 7.24 | 11.83 | 8.11 | 8.03 |
| East North Central..... | 8.35 | 8.17 | 7.40 | 7.44 | 4.66 | 4.61 | 6.11 | 6.15 | 6.68 | 6.61 |
| Illinois..... | 8.56 | 8.44 | 7.52 | 8.21 | 4.78 | 5.06 | 5.70 | 5.61 | 6.97 | 7.21 |
| Indiana..... | 7.21 | 6.95 | 6.22 | 6.04 | 4.11 | 3.96 | 8.74 | 8.74 | 5.55 | 5.37 |
| Michigan..... | 8.56 | 8.52 | 7.73 | 7.34 | 4.83 | 4.79 | 8.26 | 11.77 | 7.05 | 6.92 |
| Ohio..... | 8.48 | 8.28 | 7.67 | 7.70 | 4.79 | 4.67 | 9.11 | 5.38 | 6.85 | 6.70 |
| Wisconsin..... | 9.08 | 8.57 | 7.23 | 6.88 | 4.93 | 4.70 | -- | 8.43 | 6.90 | 6.59 |
| West North Central..... | 7.69 | 7.51 | 6.34 | 6.22 | 4.54 | 4.41 | -- | 6.63 | 6.28 | 6.17 |
| Iowa..... | 9.01 | 8.56 | 7.13 | 6.73 | 4.43 | 4.25 | -- | 6.50 | 6.57 | 6.29 |
| Kansas..... | 7.84 | 7.79 | 6.55 | 6.53 | 4.60 | 4.72 | -- | 9.95 | 6.43 | 6.53 |
| Minnesota..... | 8.06 | 7.76 | 6.45 | 6.25 | 4.71 | 4.45 | -- | 8.11 | 6.35 | 6.12 |
| Missouri..... | 7.20 | 7.10 | 6.06 | 6.02 | 4.59 | 4.50 | -- | 6.34 | 6.24 | 6.18 |
| Nebraska..... | 6.93 | 6.83 | 5.87 | 5.70 | 4.30 | 4.13 | -- | 7.09 | 5.70 | 5.66 |
| North Dakota..... | 6.70 | 6.56 | 6.06 | 5.94 | 4.19 | 4.19 | -- | 4.13 | 5.72 | 5.57 |
| South Dakota..... | 7.61 | 7.54 | 6.56 | 6.52 | 4.63 | 4.62 | -- | 3.94 | 6.58 | 6.47 |
| South Atlantic..... | 8.31 | 8.07 | 7.02 | 6.72 | 4.57 | 4.30 | 5.42 | 6.71 | 7.04 | 6.73 |
| Delaware..... | 8.70 | 8.53 | 7.53 | 7.34 | 4.88 | 4.29 | -- | 11.70 | 7.21 | 6.83 |
| District of Columbia..... | 8.42 | 8.51 | 7.43 | 7.42 | 5.44 | 4.95 | 2.58 | 3.29 | 7.54 | 7.40 |
| Florida..... | 8.94 | 8.47 | 7.55 | 6.97 | 5.84 | 5.41 | 7.45 | 7.75 | 8.11 | 7.63 |
| Georgia..... | 7.97 | 7.82 | 6.92 | 6.62 | 4.41 | 4.08 | 5.17 | 8.60 | 6.66 | 6.42 |
| Maryland..... | 8.01 | 7.75 | 8.72 | 7.80 | 4.51 | 3.82 | 5.20 | 13.06 | 7.06 | 6.36 |
| North Carolina..... | 8.33 | 8.20 | 6.69 | 6.55 | 4.88 | 4.68 | -- | 6.88 | 6.96 | 6.75 |
| South Carolina..... | 7.97 | 7.86 | 6.93 | 6.73 | 4.09 | 3.99 | -- | 6.77 | 6.20 | 6.03 |
| Virginia..... | 8.01 | 7.84 | 5.88 | 5.87 | 4.26 | 4.26 | 5.92 | 5.39 | 6.47 | 6.32 |
| West Virginia..... | 6.20 | 6.23 | 5.46 | 5.43 | 3.84 | 3.94 | 6.06 | 10.94 | 5.14 | 5.18 |
| East South Central..... | 7.05 | 6.70 | 6.88 | 6.48 | 4.11 | 3.90 | 11.04 | 6.60 | 5.86 | 5.57 |
| Alabama..... | 7.57 | 7.27 | 7.18 | 6.82 | 4.25 | 4.03 | -- | 7.09 | 6.15 | 5.89 |
| Kentucky..... | 5.98 | 5.76 | 5.51 | 5.43 | 3.37 | 3.27 | -- | 4.80 | 4.62 | 4.45 |
| Mississippi..... | 8.13 | 7.64 | 7.99 | 7.21 | 4.80 | 4.50 | -- | 9.58 | 6.97 | 6.56 |
| Tennessee..... | 6.84 | 6.44 | 7.05 | 6.47 | 4.55 | 4.32 | 11.04 | 9.66 | 6.15 | 5.79 |
| West South Central..... | 8.95 | 8.66 | 7.55 | 7.63 | 5.38 | 5.22 | 7.03 | 7.40 | 7.36 | 7.28 |
| Arkansas..... | 7.43 | 7.40 | 5.85 | 5.83 | 4.22 | 4.26 | -- | 7.50 | 5.80 | 5.85 |
| Louisiana..... | 8.05 | 7.90 | 7.63 | 7.41 | 5.77 | 5.54 | 7.60 | 8.05 | 7.13 | 6.97 |
| Oklahoma..... | 7.71 | 7.64 | 6.60 | 6.89 | 4.75 | 4.79 | -- | 5.78 | 6.55 | 6.58 |
| Texas..... | 9.56 | 9.16 | 7.86 | 8.00 | 5.54 | 5.34 | 7.01 | 7.89 | 7.75 | 7.66 |
| Mountain..... | 8.21 | 8.01 | 6.83 | 6.83 | 5.05 | 5.05 | 6.35 | 5.20 | 6.86 | 6.68 |
| Arizona..... | 8.45 | 8.39 | 7.40 | 7.30 | 5.47 | 5.38 | -- | 4.13 | 7.54 | 7.26 |
| Colorado..... | 8.30 | 7.93 | 6.74 | 6.38 | 5.30 | 4.97 | -- | 6.81 | 6.91 | 6.62 |
| Idaho..... | 6.07 | 6.45 | 5.34 | 5.63 | 3.92 | 4.14 | -- | 5.44 | 4.97 | 5.31 |
| Montana..... | 7.76 | 7.51 | 7.02 | 6.34 | 4.15 | 4.53 | -- | 8.43 | 6.03 | 6.26 |
| Nevada..... | 9.56 | 9.01 | 8.87 | 8.88 | 7.31 | 7.51 | -- | 6.54 | 8.52 | 8.37 |
| New Mexico..... | 8.79 | 8.70 | 7.50 | 7.50 | 5.12 | 4.86 | -- | 5.56 | 7.22 | 6.94 |
| Utah..... | 7.27 | 6.86 | 5.89 | 5.56 | 4.10 | 3.76 | 6.35 | 4.14 | 5.73 | 5.33 |
| Wyoming..... | 7.00 | 6.98 | 5.99 | 5.78 | 3.86 | 3.72 | -- | 6.47 | 4.90 | 4.80 |
| Pacific Contiguous..... | 9.90 | 10.18 | 10.31 | 11.27 | 6.66 | 7.28 | 6.18 | 6.32 | 9.35 | 9.92 |
| California..... | 11.84 | 12.43 | 11.87 | 13.16 | 8.54 | 8.87 | 6.16 | 7.08 | 11.19 | 11.93 |
| Oregon..... | 7.11 | 7.05 | 6.47 | 6.35 | 4.24 | 4.67 | 6.57 | 8.40 | 6.11 | 6.24 |
| Washington..... | 6.35 | 6.23 | 6.02 | 6.12 | 3.84 | 4.43 | 6.43 | 4.78 | 5.57 | 5.75 |
| Pacific Noncontiguous.... | 15.46 | 15.08 | 13.54 | 14.52 | 11.78 | 11.04 | -- | 14.67 | 13.60 | 13.77 |
| Alaska..... | 12.28 | 12.88 | 11.75 | 14.15 | 8.07 | 7.52 | -- | 14.82 | 11.38 | 13.04 |
| Hawaii..... | 17.54 | 16.60 | 15.99 | 15.14 | 12.81 | 12.07 | -- | 14.14 | 15.27 | 14.41 |
| U.S. Total..... | 8.91 | 8.71 | 8.17 | 8.18 | 5.12 | 4.98 | 5.83 | 7.02 | 7.57 | 7.44 |

¹ See Technical Notes for additional information on transportation.

Notes: • See Glossary for definitions. • Values for 2003 and 2004 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. • Due to restructuring of the electric power industry, electric utilities are selling/transferring plants to the nonutility sector. This affects comparisons of current and historical data.

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, August 2004
(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..... | 2 | 2 | -- | 2 | 213 | 0 | 7 | 3 | 0 | 6 | 1 |
| Connecticut..... | 0 | 3 | -- | 3 | 216 | 0 | 33 | 6 | 0 | -- | 1 |
| Maine..... | 0 | 6 | -- | 5 | 0 | -- | 9 | 3 | -- | 0 | 3 |
| Massachusetts..... | 4 | 3 | -- | 3 | -- | 0 | 19 | 7 | 0 | 158 | 2 |
| New Hampshire..... | 6 | 4 | -- | 2 | -- | 0 | 14 | 13 | -- | -- | 2 |
| Rhode Island..... | -- | 176 | -- | 2 | -- | -- | 309 | 38 | -- | -- | 2 |
| Vermont..... | -- | 87 | -- | 0 | -- | 0 | 19 | 13 | -- | -- | 4 |
| Middle Atlantic..... | 1 | * | 1 | 3 | 13 | 0 | 2 | 3 | 0 | 31 | * |
| New Jersey..... | 1 | 5 | -- | 4 | 71 | 0 | 129 | 7 | 0 | 1,040 | 1 |
| New York..... | 2 | * | 8 | 4 | 65 | 0 | 2 | 5 | 0 | 0 | 1 |
| Pennsylvania..... | 1 | 2 | 0 | 4 | 2 | 0 | 6 | 3 | 0 | 31 | 1 |
| East North Central..... | * | 7 | 5 | 3 | 5 | 0 | 8 | 4 | 0 | * | * |
| Illinois..... | 1 | 2 | 124 | 9 | 26 | 0 | 34 | 11 | -- | 0 | * |
| Indiana..... | * | 6 | 0 | 11 | 5 | -- | 10 | 33 | -- | 0 | * |
| Michigan..... | 1 | 8 | 0 | 4 | 0 | 0 | 16 | 5 | 0 | 2,344 | 1 |
| Ohio..... | * | 5 | -- | 7 | 18 | 0 | 15 | 14 | -- | -- | * |
| Wisconsin..... | 1 | 64 | 0 | 15 | -- | 0 | 13 | 7 | -- | -- | 1 |
| West North Central..... | * | 2 | 0 | 6 | 0 | 0 | 2 | 3 | 0 | 0 | * |
| Iowa..... | 1 | 15 | 0 | 29 | -- | 0 | 2 | 4 | -- | -- | 1 |
| Kansas..... | 1 | 1 | -- | 19 | -- | 0 | 0 | 0 | -- | -- | 1 |
| Minnesota..... | 1 | 52 | 0 | 24 | -- | 0 | 18 | 5 | -- | 0 | 1 |
| Missouri..... | * | 14 | 0 | 2 | 0 | 0 | 8 | 8 | 0 | -- | * |
| Nebraska..... | 1 | 53 | -- | 35 | 0 | 0 | 11 | 94 | -- | -- | 1 |
| North Dakota..... | 1 | 7 | -- | 6 | 0 | -- | 0 | 2 | -- | -- | 1 |
| South Dakota..... | 3 | 81 | -- | 15 | -- | -- | 0 | 0 | -- | -- | 1 |
| South Atlantic..... | * | 1 | 0 | 1 | 1 | 0 | 3 | 2 | 0 | 5 | * |
| Delaware..... | 3 | 17 | 0 | 1 | 0 | -- | -- | -- | -- | -- | 3 |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 1 | * | 0 | 1 | 0 | 0 | 47 | 3 | -- | 5 | 1 |
| Georgia..... | * | 9 | 0 | 3 | -- | 0 | 6 | 4 | 0 | -- | * |
| Maryland..... | 1 | 4 | -- | 10 | 0 | 0 | 1 | 2 | -- | -- | 1 |
| North Carolina..... | 1 | 10 | -- | 4 | 1,321 | 0 | 5 | 6 | 0 | 22 | 1 |
| South Carolina..... | 1 | 4 | 0 | 6 | 0 | 0 | 12 | 2 | 0 | -- | * |
| Virginia..... | 1 | 1 | -- | 3 | 0 | 0 | 9 | 2 | 0 | -- | 1 |
| West Virginia..... | * | 2 | 0 | 37 | 0 | -- | 11 | 0 | -- | -- | * |
| East South Central..... | * | 1 | 0 | 2 | 50 | 0 | 1 | 2 | 0 | 437 | * |
| Alabama..... | * | 1 | -- | 2 | 52 | 0 | 4 | 3 | -- | 437 | * |
| Kentucky..... | * | 5 | 0 | 29 | 0 | -- | 1 | 4 | -- | -- | * |
| Mississippi..... | * | 1 | -- | 4 | 0 | 0 | 0 | 2 | -- | -- | 1 |
| Tennessee..... | * | 4 | -- | 40 | 0 | 0 | * | 8 | 0 | 0 | * |
| West South Central..... | * | 5 | 1 | 1 | 6 | 0 | 4 | 2 | 0 | 8 | * |
| Arkansas..... | 0 | 78 | -- | 2 | -- | 0 | 5 | 5 | 0 | 0 | 1 |
| Louisiana..... | 0 | * | 1 | 3 | 16 | 0 | 0 | 3 | -- | 14 | 2 |
| Oklahoma..... | 1 | 2 | -- | 2 | 149 | -- | 9 | 4 | 0 | 0 | 1 |
| Texas..... | * | 9 | * | 1 | 5 | 0 | 16 | 3 | -- | 2 | 1 |
| Mountain..... | * | 9 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 24 | * |
| Arizona..... | 0 | 7 | -- | 2 | -- | 0 | 1 | 27 | 0 | -- | 1 |
| Colorado..... | 1 | 58 | -- | 6 | 0 | -- | 14 | 21 | 0 | -- | 2 |
| Idaho..... | 119 | 1,009 | -- | 10 | -- | -- | 4 | 1 | -- | 33 | 4 |
| Montana..... | 2 | 6 | 0 | 286 | 0 | -- | 1 | 57 | -- | -- | 2 |
| Nevada..... | 0 | 2 | -- | 4 | 0 | -- | 4 | 4 | -- | -- | 2 |
| New Mexico..... | * | 30 | -- | 13 | -- | -- | 51 | 4 | -- | -- | 2 |
| Utah..... | 1 | 32 | -- | 15 | 0 | -- | 26 | 6 | -- | -- | 1 |
| Wyoming..... | 1 | 6 | -- | 66 | -- | -- | 27 | 6 | -- | 36 | 1 |
| Pacific Contiguous..... | * | 37 | 2 | 2 | 15 | 0 | 1 | 1 | 0 | 87 | 1 |
| California..... | 0 | 13 | 2 | 2 | 19 | 0 | 2 | 1 | 0 | 87 | 1 |
| Oregon..... | 1 | 4 | -- | * | -- | -- | 2 | 7 | -- | -- | 1 |
| Washington..... | 1 | 77 | -- | 6 | 0 | 0 | 1 | 6 | 0 | -- | 1 |
| Pacific Noncontiguous... | 8 | 4 | -- | 10 | 0 | -- | 12 | 6 | -- | -- | 3 |
| Alaska..... | 23 | 7 | -- | 10 | -- | -- | 12 | 67 | -- | -- | 7 |
| Hawaii..... | 7 | 4 | -- | -- | 0 | -- | 89 | 6 | -- | -- | 3 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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."

Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through August 2004
(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..... | 1 | 1 | -- | 1 | 64 | 0 | 4 | 1 | 0 | 10 | * |
| Connecticut..... | 0 | 3 | -- | 2 | 65 | 0 | 20 | 2 | 0 | -- | 1 |
| Maine..... | 6 | 5 | -- | 2 | 0 | -- | 5 | 1 | -- | 0 | 2 |
| Massachusetts..... | 2 | 2 | -- | 1 | -- | 0 | 12 | 2 | 0 | 209 | 1 |
| New Hampshire..... | 3 | 2 | -- | 4 | -- | 0 | 7 | 4 | -- | -- | 1 |
| Rhode Island..... | -- | 85 | -- | 1 | -- | -- | 193 | 12 | -- | -- | 1 |
| Vermont..... | -- | 62 | -- | 0 | -- | 0 | 11 | 5 | -- | -- | 3 |
| Middle Atlantic..... | * | * | 1 | 1 | 4 | 0 | 1 | 1 | 0 | 41 | * |
| New Jersey..... | * | 3 | -- | 2 | 21 | 0 | 81 | 2 | 0 | 1,377 | 1 |
| New York..... | 1 | * | 5 | 2 | 19 | 0 | 2 | 1 | 0 | 0 | * |
| Pennsylvania..... | * | 1 | 0 | 2 | 3 | 0 | 4 | 1 | 0 | 41 | * |
| East North Central..... | * | 3 | 2 | 1 | 1 | 0 | 4 | 1 | 0 | * | * |
| Illinois..... | * | 1 | 54 | 4 | 7 | 0 | 19 | 4 | -- | 0 | * |
| Indiana..... | * | 4 | 0 | 3 | 1 | -- | 8 | 10 | -- | 0 | * |
| Michigan..... | * | 4 | 0 | 1 | 230 | 0 | 8 | 2 | 0 | 3,101 | * |
| Ohio..... | * | 3 | -- | 3 | 5 | 0 | 12 | 5 | -- | -- | * |
| Wisconsin..... | * | 34 | 0 | 4 | -- | 0 | 7 | 3 | -- | -- | * |
| West North Central..... | * | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | * |
| Iowa..... | 1 | 14 | 0 | 13 | -- | 0 | 1 | 1 | -- | -- | 1 |
| Kansas..... | * | * | -- | 10 | -- | 0 | 0 | 0 | -- | -- | * |
| Minnesota..... | 1 | 18 | 0 | 4 | -- | 0 | 9 | 2 | -- | 0 | * |
| Missouri..... | * | 9 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | -- | * |
| Nebraska..... | 1 | 35 | -- | 11 | 0 | 0 | 6 | 28 | -- | -- | 1 |
| North Dakota..... | 1 | 8 | -- | 2 | 0 | -- | 0 | 1 | -- | -- | 1 |
| South Dakota..... | 2 | 17 | -- | 8 | -- | -- | 0 | 0 | -- | -- | 1 |
| South Atlantic..... | * | 1 | * | * | 2 | 0 | 2 | 1 | 0 | 6 | * |
| Delaware..... | 1 | 11 | 26 | * | 10 | -- | -- | -- | -- | -- | 2 |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | * | 1 | 0 | 1 | 0 | 0 | 25 | 1 | -- | 6 | * |
| Georgia..... | * | 5 | 0 | 1 | -- | 0 | 4 | 1 | 0 | -- | * |
| Maryland..... | * | 4 | -- | 7 | 0 | 0 | 1 | 1 | -- | -- | * |
| North Carolina..... | * | 3 | -- | 1 | 434 | 0 | 3 | 2 | 0 | 28 | * |
| South Carolina..... | * | 1 | 0 | 3 | 1,797 | 0 | 6 | 1 | 0 | -- | * |
| Virginia..... | 1 | 2 | -- | 2 | 0 | 0 | 5 | 1 | 0 | -- | * |
| West Virginia..... | * | 1 | 0 | 9 | 0 | -- | 4 | 0 | -- | -- | * |
| East South Central..... | * | * | 0 | 1 | 24 | 0 | 1 | 1 | 0 | 578 | * |
| Alabama..... | * | 1 | -- | 1 | 24 | 0 | 2 | 1 | -- | 578 | * |
| Kentucky..... | * | 3 | 0 | 10 | 0 | -- | 1 | 1 | -- | -- | * |
| Mississippi..... | * | * | -- | 2 | 0 | 0 | 0 | 2 | -- | -- | 1 |
| Tennessee..... | * | 4 | -- | 18 | 0 | 0 | 1 | 3 | 0 | 0 | * |
| West South Central..... | * | 11 | * | * | 2 | 0 | 2 | 1 | 0 | 7 | * |
| Arkansas..... | 0 | 132 | -- | 1 | -- | 0 | 2 | 1 | 0 | 0 | 1 |
| Louisiana..... | 0 | * | 1 | 1 | 3 | 0 | 0 | 1 | -- | 16 | 1 |
| Oklahoma..... | * | 1 | -- | 1 | 49 | -- | 3 | 1 | 0 | 0 | * |
| Texas..... | * | 3 | * | * | 2 | 0 | 8 | 1 | -- | 3 | * |
| Mountain..... | * | 4 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 32 | * |
| Arizona..... | 0 | 5 | -- | 1 | -- | 0 | * | 12 | 0 | -- | * |
| Colorado..... | 1 | 29 | -- | 2 | 0 | -- | 6 | 6 | 0 | -- | 1 |
| Idaho..... | 56 | 946 | -- | 10 | -- | -- | 2 | 1 | -- | 44 | 2 |
| Montana..... | 1 | 9 | 0 | 114 | 0 | -- | 1 | 20 | -- | -- | 1 |
| Nevada..... | 0 | * | -- | 2 | 0 | -- | 1 | 2 | -- | -- | 1 |
| New Mexico..... | * | 12 | -- | 5 | -- | -- | 17 | 1 | -- | -- | 1 |
| Utah..... | 1 | 11 | -- | 8 | 0 | -- | 9 | 2 | -- | -- | 1 |
| Wyoming..... | * | 18 | -- | 25 | -- | -- | 14 | 2 | -- | 47 | * |
| Pacific Contiguous..... | * | 14 | 2 | 1 | 5 | 0 | * | * | 0 | 115 | * |
| California..... | 1 | 5 | 2 | 1 | 5 | 0 | 1 | * | 0 | 115 | 1 |
| Oregon..... | 1 | 14 | -- | * | -- | -- | * | 3 | -- | -- | * |
| Washington..... | * | 47 | -- | 3 | 0 | 0 | * | 2 | 0 | -- | * |
| Pacific Noncontiguous... | 5 | 8 | -- | 3 | 0 | -- | 5 | 3 | -- | -- | 4 |
| Alaska..... | 11 | 6 | -- | 3 | -- | -- | 5 | 21 | -- | -- | 2 |
| Hawaii..... | 6 | 8 | -- | -- | 0 | -- | 25 | 3 | -- | -- | 6 |

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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."

Table A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, August 2004
(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..... | 7 | 3 | -- | 38 | -- | -- | 24 | 0 | -- | -- | 5 |
| Connecticut..... | -- | 204 | -- | -- | -- | -- | 136 | -- | -- | -- | 131 |
| Maine..... | -- | -- | -- | -- | -- | -- | 321 | -- | -- | -- | 321 |
| Massachusetts..... | 29 | 29 | -- | 38 | -- | -- | 517 | -- | -- | -- | 24 |
| New Hampshire..... | 6 | 3 | -- | 499 | -- | -- | 27 | -- | -- | -- | 4 |
| Rhode Island..... | -- | 80 | -- | -- | -- | -- | -- | -- | -- | -- | 80 |
| Vermont..... | -- | 87 | -- | 0 | -- | -- | 34 | 0 | -- | -- | 19 |
| Middle Atlantic..... | 1 | 1 | -- | 10 | -- | 0 | 1 | -- | 0 | -- | 1 |
| New Jersey..... | 4 | 35 | -- | 94 | -- | -- | -- | -- | 0 | -- | 4 |
| New York..... | 7 | * | -- | 10 | -- | 0 | 1 | -- | 0 | -- | 2 |
| Pennsylvania..... | 0 | 7 | -- | 241 | -- | 0 | 3 | -- | 0 | -- | * |
| East North Central..... | * | 4 | 0 | 12 | -- | 0 | 9 | * | 0 | -- | * |
| Illinois..... | 1 | 19 | -- | 60 | -- | -- | 93 | 0 | -- | -- | 1 |
| Indiana..... | * | 7 | 0 | 5 | -- | -- | 10 | -- | -- | -- | * |
| Michigan..... | 1 | 6 | 0 | 26 | -- | 0 | 18 | 0 | 0 | -- | 1 |
| Ohio..... | * | 1 | -- | 39 | -- | 0 | 15 | 0 | -- | -- | * |
| Wisconsin..... | 1 | 9 | 0 | 26 | -- | 0 | 14 | * | -- | -- | 1 |
| West North Central..... | * | 2 | 0 | 6 | 0 | 0 | 2 | 9 | 0 | -- | * |
| Iowa..... | 1 | 16 | -- | 28 | -- | 0 | 2 | 2 | -- | -- | 1 |
| Kansas..... | 1 | 1 | -- | 18 | -- | 0 | -- | 0 | -- | -- | 1 |
| Minnesota..... | 1 | 59 | 0 | 25 | -- | 0 | 24 | 13 | -- | -- | 1 |
| Missouri..... | * | 14 | 0 | 2 | 0 | 0 | 8 | 0 | 0 | -- | * |
| Nebraska..... | 1 | 55 | -- | 35 | 0 | 0 | 11 | 44 | -- | -- | 1 |
| North Dakota..... | 1 | 7 | -- | 462 | -- | -- | 0 | 0 | -- | -- | 1 |
| South Dakota..... | 3 | 81 | -- | 15 | -- | -- | 0 | 0 | -- | -- | 1 |
| South Atlantic..... | * | * | 0 | * | -- | 0 | 4 | 9 | 0 | -- | * |
| Delaware..... | -- | 85 | -- | 149 | -- | -- | -- | -- | -- | -- | 79 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 0 | * | 0 | * | -- | 0 | 47 | 7 | -- | -- | * |
| Georgia..... | * | 2 | -- | 2 | -- | 0 | 6 | -- | 0 | -- | * |
| Maryland..... | -- | 146 | -- | 303 | -- | -- | -- | -- | -- | -- | 142 |
| North Carolina..... | 0 | 1 | -- | 0 | -- | 0 | 5 | -- | 0 | -- | * |
| South Carolina..... | 1 | 11 | 0 | 1 | -- | 0 | 12 | 68 | 0 | -- | * |
| Virginia..... | 1 | 1 | -- | 5 | -- | 0 | 9 | 0 | 0 | -- | 1 |
| West Virginia..... | * | 2 | -- | 0 | -- | -- | 42 | 0 | -- | -- | * |
| East South Central..... | * | * | 0 | 4 | 0 | 0 | 1 | 0 | 0 | -- | * |
| Alabama..... | * | 1 | -- | 3 | -- | 0 | 4 | -- | -- | -- | * |
| Kentucky..... | * | 6 | 0 | * | 0 | -- | 1 | 0 | -- | -- | * |
| Mississippi..... | * | * | -- | 9 | -- | 0 | -- | -- | -- | -- | 2 |
| Tennessee..... | 0 | 0 | -- | 0 | -- | 0 | 0 | 0 | 0 | -- | 0 |
| West South Central..... | 0 | 6 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | -- | * |
| Arkansas..... | 0 | 90 | -- | 35 | -- | 0 | 5 | -- | 0 | -- | 1 |
| Louisiana..... | 0 | * | 0 | 1 | 0 | 0 | -- | -- | -- | -- | * |
| Oklahoma..... | 0 | 24 | -- | 1 | -- | -- | 9 | -- | 0 | -- | 1 |
| Texas..... | 0 | 22 | 0 | 1 | -- | 0 | 16 | 0 | -- | -- | * |
| Mountain..... | * | 9 | -- | 2 | 0 | 0 | 2 | 4 | 0 | -- | * |
| Arizona..... | 0 | 7 | -- | 0 | -- | 0 | 1 | 24 | 0 | -- | * |
| Colorado..... | 1 | 63 | -- | 5 | 0 | -- | 14 | 0 | 0 | -- | 1 |
| Idaho..... | -- | 1,009 | -- | 102 | -- | -- | 4 | -- | -- | -- | 4 |
| Montana..... | 53 | 312 | -- | 162 | -- | -- | 2 | -- | -- | -- | 3 |
| Nevada..... | 0 | 2 | -- | 4 | -- | -- | 3 | -- | -- | -- | 1 |
| New Mexico..... | * | 7 | -- | 8 | -- | -- | 51 | -- | -- | -- | 1 |
| Utah..... | 1 | 32 | -- | 10 | -- | -- | 26 | 0 | -- | -- | 1 |
| Wyoming..... | 1 | 6 | -- | 89 | -- | -- | 27 | 0 | -- | -- | 1 |
| Pacific Contiguous..... | 0 | 6 | -- | 5 | -- | 0 | 1 | * | 0 | -- | 1 |
| California..... | -- | 13 | -- | 6 | -- | 0 | 2 | * | 0 | -- | 1 |
| Oregon..... | 0 | 0 | -- | 0 | -- | -- | 2 | 0 | -- | -- | 1 |
| Washington..... | -- | 2 | -- | 21 | -- | 0 | 1 | 0 | 0 | -- | 1 |
| Pacific Noncontiguous... | 0 | 5 | -- | 5 | -- | -- | 12 | 16 | -- | -- | 4 |
| Alaska..... | 0 | 7 | -- | 5 | -- | -- | 12 | 72 | -- | -- | 5 |
| Hawaii..... | -- | 5 | -- | -- | -- | -- | 287 | 0 | -- | -- | 5 |

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

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Source: Energy Information Administration, Form EIA-906, "Power Plant Report."

Table A2.B. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through August 2004
(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..... | 3 | 1 | -- | 17 | -- | -- | 10 | 0 | -- | -- | 2 |
| Connecticut..... | -- | 191 | -- | -- | -- | -- | 71 | -- | -- | -- | 68 |
| Maine..... | -- | -- | -- | -- | -- | -- | 167 | -- | -- | -- | 167 |
| Massachusetts..... | 21 | 3 | -- | 17 | -- | -- | 269 | -- | -- | -- | 8 |
| New Hampshire..... | 3 | 2 | -- | 182 | -- | -- | 7 | -- | -- | -- | 2 |
| Rhode Island..... | -- | 75 | -- | -- | -- | -- | -- | -- | -- | -- | 75 |
| Vermont..... | -- | 62 | -- | 0 | -- | -- | 17 | 0 | -- | -- | 10 |
| Middle Atlantic..... | * | * | -- | 4 | -- | 0 | * | -- | 0 | -- | * |
| New Jersey..... | 2 | 23 | -- | 40 | -- | -- | -- | -- | 0 | -- | 2 |
| New York..... | 4 | * | -- | 4 | -- | 0 | * | -- | 0 | -- | 1 |
| Pennsylvania..... | 0 | 5 | -- | 88 | -- | 0 | 2 | -- | 0 | -- | * |
| East North Central..... | * | 2 | 0 | 3 | -- | 0 | 5 | * | 0 | -- | * |
| Illinois..... | 1 | 35 | -- | 19 | -- | -- | 49 | 0 | -- | -- | 1 |
| Indiana..... | * | 4 | 0 | 1 | -- | -- | 8 | -- | -- | -- | * |
| Michigan..... | * | 3 | 0 | 10 | -- | 0 | 9 | 0 | 0 | -- | * |
| Ohio..... | * | 1 | -- | 10 | -- | 0 | 12 | 0 | -- | -- | * |
| Wisconsin..... | * | 6 | 0 | 5 | -- | 0 | 7 | * | -- | -- | * |
| West North Central..... | * | 1 | 0 | 2 | 0 | 0 | 1 | 4 | 0 | -- | * |
| Iowa..... | 1 | 14 | -- | 12 | -- | 0 | 1 | 2 | -- | -- | 1 |
| Kansas..... | * | * | -- | 9 | -- | 0 | -- | 0 | -- | -- | * |
| Minnesota..... | * | 24 | 0 | 3 | -- | 0 | 12 | 6 | -- | -- | * |
| Missouri..... | * | 9 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | -- | * |
| Nebraska..... | 1 | 36 | -- | 11 | 0 | 0 | 6 | 21 | -- | -- | 1 |
| North Dakota..... | 1 | 9 | -- | 168 | -- | -- | 0 | 0 | -- | -- | 1 |
| South Dakota..... | 2 | 17 | -- | 8 | -- | -- | 0 | 0 | -- | -- | 1 |
| South Atlantic..... | * | 1 | 0 | * | -- | 0 | 2 | 4 | 0 | -- | * |
| Delaware..... | -- | 46 | -- | 54 | -- | -- | -- | -- | -- | -- | 43 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | * | 1 | 0 | * | -- | 0 | 25 | 3 | -- | -- | * |
| Georgia..... | * | 2 | -- | 1 | -- | 0 | 3 | -- | 0 | -- | * |
| Maryland..... | -- | 74 | -- | 111 | -- | -- | -- | -- | -- | -- | 73 |
| North Carolina..... | 0 | * | -- | 1 | -- | 0 | 3 | -- | 0 | -- | * |
| South Carolina..... | * | 2 | 0 | * | -- | 0 | 5 | 32 | 0 | -- | * |
| Virginia..... | * | 2 | -- | 2 | -- | 0 | 5 | 0 | 0 | -- | * |
| West Virginia..... | * | 1 | -- | 0 | -- | -- | 22 | 0 | -- | -- | * |
| East South Central..... | * | * | 0 | 1 | 0 | 0 | 1 | 0 | 0 | -- | * |
| Alabama..... | * | * | -- | 1 | -- | 0 | 2 | -- | -- | -- | * |
| Kentucky..... | * | 5 | 0 | * | 0 | -- | 1 | 0 | -- | -- | * |
| Mississippi..... | * | * | -- | 3 | -- | 0 | -- | -- | -- | -- | 1 |
| Tennessee..... | 0 | 0 | -- | 0 | -- | 0 | 1 | 0 | 0 | -- | * |
| West South Central..... | * | 13 | 0 | * | 0 | 0 | 2 | 0 | 0 | -- | * |
| Arkansas..... | 0 | 178 | -- | 13 | -- | 0 | 2 | -- | 0 | -- | 1 |
| Louisiana..... | 0 | * | 0 | * | 0 | 0 | -- | -- | -- | -- | * |
| Oklahoma..... | 0 | 3 | -- | 1 | -- | -- | 3 | -- | 0 | -- | * |
| Texas..... | * | 9 | 0 | 1 | -- | 0 | 8 | 0 | -- | -- | * |
| Mountain..... | * | 2 | -- | 1 | 0 | 0 | 1 | 2 | 0 | -- | * |
| Arizona..... | 0 | 3 | -- | * | -- | 0 | * | 11 | 0 | -- | * |
| Colorado..... | 1 | 18 | -- | 1 | 0 | -- | 6 | 0 | 0 | -- | 1 |
| Idaho..... | -- | 946 | -- | 37 | -- | -- | 2 | -- | -- | -- | 2 |
| Montana..... | 27 | 293 | -- | 59 | -- | -- | 1 | -- | -- | -- | 2 |
| Nevada..... | 0 | * | -- | 2 | -- | -- | 1 | -- | -- | -- | * |
| New Mexico..... | * | 2 | -- | 3 | -- | -- | 17 | -- | -- | -- | * |
| Utah..... | * | 11 | -- | 6 | -- | -- | 9 | 0 | -- | -- | * |
| Wyoming..... | * | 5 | -- | 29 | -- | -- | 14 | 0 | -- | -- | * |
| Pacific Contiguous..... | 0 | 3 | -- | 2 | -- | 0 | * | * | 0 | -- | * |
| California..... | -- | 4 | -- | 3 | -- | 0 | 1 | * | 0 | -- | * |
| Oregon..... | 0 | 0 | -- | 0 | -- | -- | * | 0 | -- | -- | * |
| Washington..... | -- | 9 | -- | 8 | -- | 0 | * | 0 | 0 | -- | * |
| Pacific Noncontiguous... | 0 | 10 | -- | 1 | -- | -- | 5 | 12 | -- | -- | 6 |
| Alaska..... | 0 | 6 | -- | 1 | -- | -- | 5 | 33 | -- | -- | 2 |
| Hawaii..... | -- | 10 | -- | -- | -- | -- | 93 | 0 | -- | -- | 10 |

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

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Source: Energy Information Administration, Form EIA-906, "Power Plant Report."

Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, August 2004
(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..... | 2 | 2 | -- | 2 | 213 | 0 | 10 | 4 | 0 | -- | 1 |
| Connecticut..... | 0 | * | -- | 3 | 216 | 0 | 33 | 6 | 0 | -- | 1 |
| Maine..... | 0 | 2 | -- | 6 | 0 | -- | 14 | 5 | -- | -- | 5 |
| Massachusetts..... | 3 | 2 | -- | 3 | -- | 0 | 19 | 7 | 0 | -- | 2 |
| New Hampshire..... | -- | 515 | -- | 0 | -- | 0 | 15 | 13 | -- | -- | 1 |
| Rhode Island..... | -- | 158 | -- | 2 | -- | -- | 309 | 38 | -- | -- | 2 |
| Vermont..... | -- | -- | -- | -- | -- | 0 | 23 | 33 | -- | -- | 4 |
| Middle Atlantic..... | 1 | * | 2 | 2 | 0 | 0 | 9 | 3 | 0 | 0 | 1 |
| New Jersey..... | 0 | 2 | -- | 3 | 0 | 0 | 129 | 7 | -- | 0 | 1 |
| New York..... | 2 | * | 8 | 4 | -- | 0 | 11 | 5 | -- | 0 | 1 |
| Pennsylvania..... | 1 | 1 | 0 | 4 | 0 | 0 | 11 | 4 | 0 | 0 | 1 |
| East North Central..... | 1 | 4 | 0 | 3 | 12 | 0 | 14 | 6 | -- | 0 | * |
| Illinois..... | 1 | 1 | 0 | 9 | -- | 0 | 0 | 12 | -- | 0 | * |
| Indiana..... | * | 7,988 | -- | 17 | 282 | -- | -- | 40 | -- | -- | 3 |
| Michigan..... | 0 | 1,141 | -- | 4 | 0 | -- | 29 | 7 | -- | -- | 3 |
| Ohio..... | 1 | 59 | -- | 3 | 0 | -- | -- | 52 | -- | -- | 1 |
| Wisconsin..... | 271 | 3 | -- | 14 | -- | -- | 74 | 21 | -- | -- | 12 |
| West North Central..... | 8 | 28 | -- | 16 | -- | -- | 16 | 4 | -- | -- | 5 |
| Iowa..... | 93 | 33 | -- | -- | -- | -- | 68 | 4 | -- | -- | 17 |
| Kansas..... | -- | -- | -- | -- | -- | -- | 0 | 0 | -- | -- | 0 |
| Minnesota..... | 0 | 0 | -- | 76 | -- | -- | 14 | 8 | -- | -- | 7 |
| Missouri..... | -- | -- | -- | 4 | -- | -- | -- | -- | -- | -- | 4 |
| Nebraska..... | -- | -- | -- | 1,429 | -- | -- | -- | 148 | -- | -- | 223 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | 0 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | 0 |
| South Atlantic..... | 1 | 3 | 0 | 5 | 3 | 0 | 3 | 2 | -- | 114 | 1 |
| Delaware..... | 0 | 2 | -- | 0 | -- | -- | -- | -- | -- | -- | * |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 6 | * | -- | 11 | 0 | -- | -- | 4 | -- | 114 | 6 |
| Georgia..... | -- | 353 | -- | 3 | -- | -- | 369 | 82 | -- | -- | 3 |
| Maryland..... | 1 | 4 | -- | 5 | 0 | 0 | 1 | 2 | -- | -- | 1 |
| North Carolina..... | 15 | 134 | -- | 19 | 1,321 | -- | 177 | 8 | -- | -- | 12 |
| South Carolina..... | -- | 0 | -- | 37 | -- | -- | 91 | -- | -- | -- | 35 |
| Virginia..... | 6 | 3 | -- | 3 | 0 | -- | 87 | 3 | -- | -- | 4 |
| West Virginia..... | 1 | 0 | 0 | 6 | -- | -- | 8 | 0 | -- | -- | 1 |
| East South Central..... | 0 | 4 | 0 | 1 | -- | -- | 0 | 9 | -- | 0 | * |
| Alabama..... | 0 | 279 | -- | 1 | -- | -- | -- | 0 | -- | -- | * |
| Kentucky..... | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Mississippi..... | 0 | -- | -- | 1 | -- | -- | 0 | -- | -- | -- | 1 |
| Tennessee..... | -- | -- | -- | 0 | -- | -- | -- | 65 | -- | 0 | 23 |
| West South Central..... | 1 | 20 | 1 | 1 | 0 | 0 | 3 | 2 | -- | 0 | 1 |
| Arkansas..... | -- | 0 | -- | 0 | -- | -- | 1,484 | -- | -- | -- | * |
| Louisiana..... | 0 | 0 | 1 | 8 | -- | -- | 0 | 48 | -- | -- | 4 |
| Oklahoma..... | 0 | -- | -- | 4 | -- | -- | -- | 0 | -- | -- | 3 |
| Texas..... | 1 | 22 | 0 | 1 | 0 | 0 | 42 | 3 | -- | 0 | 1 |
| Mountain..... | 3 | 36 | 0 | 2 | 0 | -- | 7 | 3 | -- | -- | 2 |
| Arizona..... | -- | -- | -- | 2 | -- | -- | -- | -- | -- | -- | 2 |
| Colorado..... | 50 | 838 | -- | 8 | -- | -- | 162 | 27 | -- | -- | 8 |
| Idaho..... | -- | -- | -- | 10 | -- | -- | 22 | 0 | -- | -- | 10 |
| Montana..... | 2 | 0 | 0 | 1,271 | 0 | -- | 3 | -- | -- | -- | 2 |
| Nevada..... | -- | 0 | -- | 5 | 0 | -- | 247 | 4 | -- | -- | 4 |
| New Mexico..... | -- | 178 | -- | 75 | -- | -- | -- | 4 | -- | -- | 44 |
| Utah..... | 43 | 1,793 | -- | -- | -- | -- | 260 | 111 | -- | -- | 41 |
| Wyoming..... | -- | -- | -- | 120 | -- | -- | -- | 6 | -- | -- | 29 |
| Pacific Contiguous..... | 1 | 30 | 3 | 2 | 0 | -- | 35 | 1 | -- | -- | 1 |
| California..... | 0 | 43 | 3 | 2 | 0 | -- | 37 | 1 | -- | -- | 2 |
| Oregon..... | -- | -- | -- | * | -- | -- | 60 | 9 | -- | -- | 2 |
| Washington..... | 1 | 21 | -- | 4 | 0 | -- | 67 | 18 | -- | -- | 2 |
| Pacific Noncontiguous... | 9 | 2 | -- | -- | -- | -- | 140 | 6 | -- | -- | 4 |
| Alaska..... | 60 | 0 | -- | -- | -- | -- | -- | 0 | -- | -- | 60 |
| Hawaii..... | 7 | 2 | -- | -- | -- | -- | 140 | 6 | -- | -- | 3 |

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|---------------------------------|----------|-------------------|----------------|-------------|-------------|----------|----------------------------|------------------|------------------------------|------------|----------|
| New England..... | 1 | 1 | -- | 1 | 64 | 0 | 6 | 1 | 0 | -- | * |
| Connecticut..... | 0 | 1 | -- | 1 | 65 | 0 | 21 | 2 | 0 | -- | 2 |
| Maine..... | 0 | 1 | -- | 2 | 0 | -- | 8 | 2 | -- | -- | 2 |
| Massachusetts..... | 2 | 1 | -- | 1 | -- | 0 | 12 | 2 | 0 | -- | 1 |
| New Hampshire..... | -- | 315 | -- | 0 | -- | 0 | 8 | 4 | -- | -- | 1 |
| Rhode Island..... | -- | 90 | -- | 1 | -- | -- | 193 | 12 | -- | -- | 1 |
| Vermont..... | -- | -- | -- | -- | -- | 0 | 15 | 11 | -- | -- | 3 |
| Middle Atlantic..... | * | * | 1 | 1 | 23 | 0 | 6 | 1 | 0 | 0 | * |
| New Jersey..... | 0 | 2 | -- | 2 | 0 | 0 | 81 | 2 | -- | 0 | * |
| New York..... | 1 | * | 5 | 2 | -- | 0 | 7 | 2 | -- | 0 | 1 |
| Pennsylvania..... | * | 1 | 0 | 2 | 23 | 0 | 8 | 1 | 0 | 0 | * |
| East North Central..... | * | 1 | 0 | 1 | 4 | 0 | 9 | 2 | -- | 0 | * |
| Illinois..... | * | * | 0 | 4 | -- | 0 | 0 | 4 | -- | 0 | * |
| Indiana..... | * | 23 | -- | 6 | 85 | -- | -- | 12 | -- | -- | 1 |
| Michigan..... | 6 | 217 | -- | 1 | 230 | -- | 14 | 2 | -- | -- | 1 |
| Ohio..... | 1 | 28 | -- | 2 | 0 | -- | -- | 17 | -- | -- | 1 |
| Wisconsin..... | 128 | 17 | -- | 5 | -- | -- | 38 | 7 | -- | -- | 4 |
| West North Central..... | 3 | 18 | -- | 5 | -- | -- | 11 | 1 | -- | -- | 2 |
| Iowa..... | 44 | 62 | -- | -- | -- | -- | 34 | 1 | -- | -- | 5 |
| Kansas..... | -- | -- | -- | -- | -- | -- | 0 | 0 | -- | -- | 0 |
| Minnesota..... | 0 | 0 | -- | 15 | -- | -- | 12 | 3 | -- | -- | 2 |
| Missouri..... | -- | -- | -- | 1 | -- | -- | -- | -- | -- | -- | 1 |
| Nebraska..... | -- | -- | -- | 575 | -- | -- | -- | 46 | -- | -- | 76 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | 0 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | 0 |
| South Atlantic..... | * | 2 | 0 | 2 | 1 | 0 | 2 | 1 | -- | 151 | * |
| Delaware..... | 0 | 1 | -- | 0 | -- | -- | -- | -- | -- | -- | * |
| District of Columbia..... | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Florida..... | 2 | * | -- | 6 | 0 | -- | -- | 1 | -- | 151 | 2 |
| Georgia..... | -- | 69 | -- | 1 | -- | -- | 230 | 31 | -- | -- | 1 |
| Maryland..... | * | 4 | -- | 6 | 0 | 0 | 1 | 1 | -- | -- | * |
| North Carolina..... | 5 | 25 | -- | 2 | 434 | -- | 110 | 3 | -- | -- | 3 |
| South Carolina..... | -- | 0 | -- | 14 | -- | -- | 57 | -- | -- | -- | 14 |
| Virginia..... | 2 | 2 | -- | 1 | 0 | -- | 55 | 1 | -- | -- | 1 |
| West Virginia..... | * | 0 | 0 | 1 | -- | -- | 5 | 0 | -- | -- | * |
| East South Central..... | 0 | 2 | 0 | * | -- | -- | 0 | 3 | -- | 0 | * |
| Alabama..... | 0 | 21 | -- | * | -- | -- | -- | 0 | -- | -- | * |
| Kentucky..... | 0 | 0 | 0 | 33 | -- | -- | -- | -- | -- | -- | * |
| Mississippi..... | 0 | -- | -- | * | -- | -- | 0 | -- | -- | -- | * |
| Tennessee..... | -- | -- | -- | 71 | -- | -- | -- | 20 | -- | 0 | 33 |
| West South Central..... | * | 2 | * | * | 0 | 0 | * | * | -- | 0 | * |
| Arkansas..... | -- | 0 | -- | 0 | -- | -- | 754 | -- | -- | -- | * |
| Louisiana..... | 0 | 0 | 1 | 3 | -- | -- | 0 | 18 | -- | -- | 1 |
| Oklahoma..... | 0 | -- | -- | 2 | -- | -- | -- | 0 | -- | -- | 1 |
| Texas..... | * | 2 | 0 | * | 0 | 0 | 14 | * | -- | 0 | * |
| Mountain..... | 1 | 19 | 0 | 1 | 0 | -- | 2 | 1 | -- | -- | 1 |
| Arizona..... | -- | -- | -- | 1 | -- | -- | -- | -- | -- | -- | 1 |
| Colorado..... | 17 | 646 | -- | 4 | -- | -- | 49 | 9 | -- | -- | 4 |
| Idaho..... | -- | -- | -- | 11 | -- | -- | 8 | 0 | -- | -- | 6 |
| Montana..... | 1 | 0 | 0 | 511 | 0 | -- | 2 | -- | -- | -- | 1 |
| Nevada..... | -- | 0 | -- | 2 | 0 | -- | 74 | 2 | -- | -- | 2 |
| New Mexico..... | -- | 84 | -- | 30 | -- | -- | -- | 1 | -- | -- | 14 |
| Utah..... | 15 | 1,381 | -- | -- | -- | -- | 78 | 42 | -- | -- | 14 |
| Wyoming..... | -- | -- | -- | 48 | -- | -- | -- | 2 | -- | -- | 7 |
| Pacific Contiguous..... | * | 8 | 2 | 1 | 1 | -- | 9 | 1 | -- | -- | 1 |
| California..... | 1 | 9 | 2 | 1 | 497 | -- | 10 | * | -- | -- | 1 |
| Oregon..... | -- | -- | -- | * | -- | -- | 13 | 3 | -- | -- | 1 |
| Washington..... | * | 9 | -- | 2 | 0 | -- | 20 | 6 | -- | -- | 1 |
| Pacific Noncontiguous... | 6 | 3 | -- | -- | -- | -- | 38 | 2 | -- | -- | 3 |
| Alaska..... | 27 | 0 | -- | -- | -- | -- | -- | 0 | -- | -- | 26 |
| Hawaii..... | 6 | 3 | -- | -- | -- | -- | 38 | 2 | -- | -- | 3 |

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

Notes: • See Glossary for definitions. • Estimates for 2004 are preliminary.

Source: Energy Information Administration, Form EIA-906, "Power Plant Report."

Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, August 2004
(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..... | -- | 41 | -- | 37 | -- | -- | 0 | 28 | -- | -- | 22 |
| Connecticut..... | -- | 185 | -- | 236 | -- | -- | -- | -- | -- | -- | 220 |
| Maine..... | -- | 172 | -- | 16,536 | -- | -- | -- | 28 | -- | -- | 27 |
| Massachusetts..... | -- | 18 | -- | 33 | -- | -- | 0 | 0 | -- | -- | 23 |
| New Hampshire..... | -- | 268 | -- | -- | -- | -- | -- | -- | -- | -- | 268 |
| Rhode Island..... | -- | 229 | -- | 829 | -- | -- | -- | -- | -- | -- | 221 |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 0 | 6 | -- | 44 | -- | -- | 0 | 18 | -- | -- | 22 |
| New Jersey..... | -- | 258 | -- | 107 | -- | -- | -- | 219 | -- | -- | 105 |
| New York..... | 0 | 5 | -- | 59 | -- | -- | 0 | 24 | -- | -- | 22 |
| Pennsylvania..... | 0 | 85 | -- | 53 | -- | -- | -- | 26 | -- | -- | 27 |
| East North Central..... | 0 | 51 | -- | 19 | -- | -- | 130 | 8 | -- | 2,344 | 7 |
| Illinois..... | 0 | 47 | -- | 22 | -- | -- | 0 | 140 | -- | -- | 16 |
| Indiana..... | 0 | 29 | -- | 77 | -- | -- | -- | 61 | -- | -- | 8 |
| Michigan..... | 0 | 577 | -- | 236 | -- | -- | -- | 3 | -- | 2,344 | 7 |
| Ohio..... | 0 | 1,049 | -- | 1,952 | -- | -- | -- | 0 | -- | -- | 1,663 |
| Wisconsin..... | 0 | 0 | -- | 0 | -- | -- | 130 | 76 | -- | -- | 12 |
| West North Central..... | 0 | 19 | 0 | 47 | -- | -- | -- | 40 | -- | -- | 12 |
| Iowa..... | 0 | 1,022 | 0 | 357 | -- | -- | -- | 54 | -- | -- | 30 |
| Kansas..... | -- | 0 | -- | 1,204 | -- | -- | -- | -- | -- | -- | 1,204 |
| Minnesota..... | -- | 21 | -- | 0 | -- | -- | -- | 87 | -- | -- | 16 |
| Missouri..... | 0 | 23 | -- | 0 | -- | -- | -- | 0 | -- | -- | * |
| Nebraska..... | -- | 0 | -- | 37 | -- | -- | -- | 147 | -- | -- | 63 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 0 | 11 | -- | 77 | -- | -- | 34 | 14 | -- | -- | 13 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | 0 | -- | 68 | -- | -- | -- | 59 | -- | -- | 48 |
| Georgia..... | -- | 8 | -- | 0 | -- | -- | -- | -- | -- | -- | 8 |
| Maryland..... | -- | 0 | -- | -- | -- | -- | -- | 67 | -- | -- | 66 |
| North Carolina..... | 0 | 1,093 | -- | 0 | -- | -- | 0 | -- | -- | -- | * |
| South Carolina..... | -- | 448 | -- | 1,044 | -- | -- | 759 | 51 | -- | -- | 70 |
| Virginia..... | 0 | 51 | -- | -- | -- | -- | -- | 14 | -- | -- | 14 |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 0 | 484 | -- | 24 | -- | -- | -- | 128 | -- | -- | 18 |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | 484 | -- | 0 | -- | -- | -- | -- | -- | -- | 4 |
| Tennessee..... | 0 | -- | -- | 32 | -- | -- | -- | 128 | -- | -- | 21 |
| West South Central..... | -- | 32 | -- | 36 | -- | -- | -- | 93 | -- | -- | 35 |
| Arkansas..... | -- | -- | -- | 949 | -- | -- | -- | 157 | -- | -- | 362 |
| Louisiana..... | -- | -- | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Oklahoma..... | -- | 0 | -- | 234 | -- | -- | -- | -- | -- | -- | 234 |
| Texas..... | -- | 32 | -- | 39 | -- | -- | -- | 115 | -- | -- | 38 |
| Mountain..... | -- | 732 | -- | 79 | 0 | -- | -- | 193 | -- | -- | 77 |
| Arizona..... | -- | 768 | -- | 430 | -- | -- | -- | 193 | -- | -- | 349 |
| Colorado..... | -- | 0 | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | 230 | -- | -- | -- | -- | -- | -- | 230 |
| Utah..... | -- | -- | -- | 208 | 0 | -- | -- | -- | -- | -- | 208 |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 0 | 217 | -- | 32 | -- | -- | 0 | 22 | -- | -- | 28 |
| California..... | -- | 44 | -- | 33 | -- | -- | -- | 22 | -- | -- | 28 |
| Oregon..... | -- | 1,230 | -- | 608 | -- | -- | -- | -- | -- | -- | 601 |
| Washington..... | 0 | -- | -- | 285 | -- | -- | 0 | -- | -- | -- | 171 |
| Pacific Noncontiguous... | 0 | 36 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| Alaska..... | 0 | 36 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

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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. • Estimates for 2004 are preliminary.

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

Table A4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through August 2004
(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 | -- | -- | 0 | 8 | -- | -- | 10 |
| Connecticut..... | -- | 113 | -- | 95 | -- | -- | -- | -- | -- | -- | 84 |
| Maine..... | -- | 105 | -- | 6,651 | -- | -- | -- | 9 | -- | -- | 9 |
| Massachusetts..... | -- | 10 | -- | 12 | -- | -- | 0 | 0 | -- | -- | 8 |
| New Hampshire..... | -- | 126 | -- | -- | -- | -- | -- | -- | -- | -- | 126 |
| Rhode Island..... | -- | 112 | -- | 334 | -- | -- | -- | -- | -- | -- | 108 |
| Vermont..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Middle Atlantic..... | 16 | 12 | -- | 15 | -- | -- | 0 | 6 | -- | -- | 7 |
| New Jersey..... | -- | 158 | -- | 43 | -- | -- | -- | 69 | -- | -- | 42 |
| New York..... | 0 | 12 | -- | 18 | -- | -- | 0 | 8 | -- | -- | 7 |
| Pennsylvania..... | 98 | 75 | -- | 17 | -- | -- | -- | 8 | -- | -- | 9 |
| East North Central..... | 1 | 65 | -- | 6 | -- | -- | 66 | 3 | -- | 3,101 | 3 |
| Illinois..... | 0 | 75 | -- | 7 | -- | -- | 0 | 44 | -- | -- | 6 |
| Indiana..... | 0 | 34 | -- | 23 | -- | -- | -- | 19 | -- | -- | 3 |
| Michigan..... | 0 | 353 | -- | 115 | -- | -- | -- | 1 | -- | 3,101 | 3 |
| Ohio..... | 0 | 642 | -- | 723 | -- | -- | -- | 0 | -- | -- | 536 |
| Wisconsin..... | 10 | 0 | -- | 0 | -- | -- | 66 | 23 | -- | -- | 5 |
| West North Central..... | 0 | 9 | 0 | 15 | -- | -- | -- | 13 | -- | -- | 4 |
| Iowa..... | 0 | 522 | 0 | 88 | -- | -- | -- | 16 | -- | -- | 10 |
| Kansas..... | -- | 0 | -- | 487 | -- | -- | -- | -- | -- | -- | 487 |
| Minnesota..... | -- | 7 | -- | 0 | -- | -- | -- | 27 | -- | -- | 5 |
| Missouri..... | 0 | 126 | -- | 0 | -- | -- | -- | 0 | -- | -- | * |
| Nebraska..... | -- | 0 | -- | 13 | -- | -- | -- | 46 | -- | -- | 20 |
| North Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 0 | 45 | -- | 34 | -- | -- | 32 | 5 | -- | -- | 5 |
| Delaware..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | -- | 0 | -- | 32 | -- | -- | -- | 23 | -- | -- | 21 |
| Georgia..... | -- | 46 | -- | 0 | -- | -- | -- | -- | -- | -- | 46 |
| Maryland..... | -- | 73 | -- | -- | -- | -- | -- | 19 | -- | -- | 19 |
| North Carolina..... | 0 | 842 | -- | 0 | -- | -- | 13 | -- | -- | -- | 1 |
| South Carolina..... | -- | 345 | -- | 422 | -- | -- | 474 | 20 | -- | -- | 26 |
| Virginia..... | 0 | 53 | -- | -- | -- | -- | -- | 5 | -- | -- | 5 |
| West Virginia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| East South Central..... | 0 | 373 | -- | 9 | -- | -- | -- | 40 | -- | -- | 7 |
| Alabama..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kentucky..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mississippi..... | -- | 373 | -- | 0 | -- | -- | -- | -- | -- | -- | 6 |
| Tennessee..... | 0 | -- | -- | 12 | -- | -- | -- | 40 | -- | -- | 8 |
| West South Central..... | -- | 69 | -- | 15 | -- | -- | -- | 35 | -- | -- | 15 |
| Arkansas..... | -- | -- | -- | 384 | -- | -- | -- | 60 | -- | -- | 130 |
| Louisiana..... | -- | -- | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Oklahoma..... | -- | 0 | -- | 139 | -- | -- | -- | -- | -- | -- | 133 |
| Texas..... | -- | 81 | -- | 15 | -- | -- | -- | 44 | -- | -- | 15 |
| Mountain..... | -- | 590 | -- | 29 | 0 | -- | -- | 74 | -- | -- | 29 |
| Arizona..... | -- | 591 | -- | 174 | -- | -- | -- | 74 | -- | -- | 135 |
| Colorado..... | -- | 0 | -- | 0 | -- | -- | -- | -- | -- | -- | 0 |
| Idaho..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | -- | -- | 93 | -- | -- | -- | -- | -- | -- | 93 |
| Utah..... | -- | -- | -- | 72 | 0 | -- | -- | -- | -- | -- | 72 |
| Wyoming..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pacific Contiguous..... | 281 | 83 | -- | 13 | -- | -- | 0 | 8 | -- | -- | 10 |
| California..... | -- | 23 | -- | 13 | -- | -- | -- | 8 | -- | -- | 11 |
| Oregon..... | -- | 752 | -- | 244 | -- | -- | -- | -- | -- | -- | 240 |
| Washington..... | 281 | -- | -- | 112 | -- | -- | 0 | -- | -- | -- | 26 |
| Pacific Noncontiguous... | 13 | 26 | -- | -- | -- | -- | -- | -- | -- | -- | 13 |
| Alaska..... | 13 | 26 | -- | -- | -- | -- | -- | -- | -- | -- | 13 |
| Hawaii..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

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

Table A5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, August 2004
(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..... | 42 | 22 | -- | 17 | -- | -- | 6 | 3 | -- | 6 | 6 |
| Connecticut..... | -- | 244 | -- | 95 | -- | -- | -- | -- | -- | -- | 89 |
| Maine..... | 0 | 11 | -- | 5 | -- | -- | * | 2 | -- | 0 | 2 |
| Massachusetts..... | 161 | 106 | -- | 96 | -- | -- | 197 | -- | -- | 158 | 64 |
| New Hampshire..... | -- | 183 | -- | 158 | -- | -- | 57 | 45 | -- | -- | 48 |
| Rhode Island..... | -- | 1,032 | -- | -- | -- | -- | -- | -- | -- | -- | 1,032 |
| Vermont..... | -- | -- | -- | -- | -- | -- | 148 | 111 | -- | -- | 96 |
| Middle Atlantic..... | 9 | 34 | 0 | 22 | 13 | -- | 65 | 4 | -- | -- | 10 |
| New Jersey..... | -- | 63 | -- | 30 | 71 | -- | -- | 104 | -- | 1,040 | 28 |
| New York..... | 9 | 38 | -- | 42 | 65 | -- | 65 | 13 | -- | -- | 19 |
| Pennsylvania..... | 13 | 114 | 0 | 50 | 2 | -- | -- | 1 | -- | 51 | 11 |
| East North Central..... | 11 | 104 | 14 | 38 | 5 | -- | 19 | 6 | -- | 0 | 6 |
| Illinois..... | 15 | 753 | 124 | 63 | 26 | -- | -- | 37 | -- | -- | 15 |
| Indiana..... | 145 | 6 | -- | 64 | 5 | -- | -- | 182 | -- | 0 | 5 |
| Michigan..... | 30 | 269 | -- | 90 | -- | -- | 51 | 8 | -- | -- | 16 |
| Ohio..... | 33 | 85 | -- | 196 | 32 | -- | -- | 12 | -- | -- | 20 |
| Wisconsin..... | 18 | 162 | 0 | 98 | -- | -- | 21 | 11 | -- | -- | 13 |
| West North Central..... | 16 | 166 | -- | 65 | 0 | -- | 19 | 2 | -- | 0 | 12 |
| Iowa..... | 11 | 693 | -- | 0 | -- | -- | -- | -- | -- | -- | 11 |
| Kansas..... | -- | 696 | -- | 282 | -- | -- | -- | -- | -- | -- | 281 |
| Minnesota..... | 36 | 318 | -- | 36 | -- | -- | 19 | 0 | -- | 0 | 19 |
| Missouri..... | 80 | 907 | -- | 482 | -- | -- | -- | 127 | -- | -- | 76 |
| Nebraska..... | 157 | -- | -- | 787 | -- | -- | -- | -- | -- | -- | 154 |
| North Dakota..... | 115 | 0 | -- | 0 | 0 | -- | -- | 482 | -- | -- | 67 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 9 | 7 | 0 | 21 | 0 | -- | 9 | 2 | -- | 5 | 3 |
| Delaware..... | 115 | 15 | 0 | 0 | 0 | -- | -- | -- | -- | -- | 14 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 19 | 15 | -- | 30 | 0 | -- | -- | 6 | -- | 5 | 8 |
| Georgia..... | 18 | 22 | 0 | 48 | -- | -- | 101 | 4 | -- | -- | 6 |
| Maryland..... | 0 | 784 | -- | 201 | -- | -- | -- | 0 | -- | -- | 18 |
| North Carolina..... | 26 | 15 | -- | 425 | -- | -- | 12 | 8 | -- | 22 | 8 |
| South Carolina..... | 27 | 0 | -- | 0 | 0 | -- | -- | 0 | -- | -- | 6 |
| Virginia..... | 21 | 5 | -- | 35 | -- | -- | 470 | 2 | -- | -- | 9 |
| West Virginia..... | 20 | 32 | -- | 74 | 0 | -- | 3 | -- | -- | -- | 13 |
| East South Central..... | 10 | 7 | -- | 27 | 51 | -- | 5 | 2 | -- | 437 | 5 |
| Alabama..... | 35 | 1 | -- | 28 | 52 | -- | -- | 3 | -- | 437 | 6 |
| Kentucky..... | -- | -- | -- | 101 | -- | -- | -- | 4 | -- | -- | 36 |
| Mississippi..... | 0 | 20 | -- | 63 | 0 | -- | -- | 2 | -- | -- | 17 |
| Tennessee..... | 9 | 35 | -- | 91 | 0 | -- | 5 | 7 | -- | 0 | 8 |
| West South Central..... | 7 | * | 1 | 4 | 9 | -- | -- | 2 | -- | 11 | 3 |
| Arkansas..... | 0 | 1 | -- | 62 | -- | -- | -- | 5 | -- | 0 | 6 |
| Louisiana..... | 0 | 0 | -- | 6 | 16 | -- | -- | 3 | -- | 14 | 5 |
| Oklahoma..... | 40 | 0 | -- | 23 | 149 | -- | -- | 9 | -- | 0 | 19 |
| Texas..... | 1 | 2 | 1 | 5 | 8 | -- | -- | 5 | -- | 6 | 4 |
| Mountain..... | 17 | 64 | -- | 68 | -- | -- | -- | 6 | -- | 24 | 20 |
| Arizona..... | 0 | 265 | -- | 3,437 | -- | -- | -- | -- | -- | -- | 2 |
| Colorado..... | -- | 147 | -- | 215 | -- | -- | -- | -- | -- | -- | 207 |
| Idaho..... | 119 | 0 | -- | 115 | -- | -- | -- | 2 | -- | 33 | 15 |
| Montana..... | -- | -- | -- | 454 | -- | -- | -- | 57 | -- | -- | 80 |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | 193 | -- | 116 | -- | -- | -- | -- | -- | -- | 116 |
| Utah..... | 88 | -- | -- | 124 | -- | -- | -- | -- | -- | -- | 84 |
| Wyoming..... | 0 | 27 | -- | 154 | -- | -- | -- | -- | -- | 36 | 30 |
| Pacific Contiguous..... | 8 | 207 | 0 | 11 | 19 | -- | 564 | 7 | -- | 87 | 8 |
| California..... | 0 | 137 | 0 | 12 | 19 | -- | -- | 12 | -- | 87 | 9 |
| Oregon..... | 286 | 0 | -- | 0 | -- | -- | -- | 5 | -- | -- | 3 |
| Washington..... | 0 | 216 | -- | 0 | -- | -- | 564 | 9 | -- | -- | 10 |
| Pacific Noncontiguous... | -- | 7 | -- | 71 | 0 | -- | 118 | 48 | -- | -- | 38 |
| Alaska..... | -- | 26 | -- | 71 | -- | -- | -- | -- | -- | -- | 62 |
| Hawaii..... | -- | 2 | -- | -- | 0 | -- | 118 | 48 | -- | -- | 26 |

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Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through August 2004
(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 | 15 | -- | 6 | -- | -- | 4 | 1 | -- | 10 | 3 |
| Connecticut..... | -- | 119 | -- | 38 | -- | -- | -- | -- | -- | -- | 38 |
| Maine..... | 16 | 12 | -- | 3 | -- | -- | 1 | 1 | -- | 0 | 2 |
| Massachusetts..... | 76 | 51 | -- | 39 | -- | -- | 123 | -- | -- | 209 | 29 |
| New Hampshire..... | -- | 88 | -- | 64 | -- | -- | 35 | 16 | -- | -- | 22 |
| Rhode Island..... | -- | 504 | -- | -- | -- | -- | -- | -- | -- | -- | 504 |
| Vermont..... | -- | -- | -- | -- | -- | -- | 92 | 38 | -- | -- | 56 |
| Middle Atlantic..... | 4 | 21 | 0 | 10 | 4 | -- | 41 | 1 | -- | 68 | 4 |
| New Jersey..... | -- | 32 | -- | 14 | 21 | -- | -- | 33 | -- | 1,377 | 12 |
| New York..... | 5 | 22 | -- | 17 | 19 | -- | 41 | 5 | -- | -- | 7 |
| Pennsylvania..... | 6 | 62 | 0 | 20 | 3 | -- | -- | * | -- | 67 | 5 |
| East North Central..... | 5 | 47 | 5 | 14 | 2 | -- | 10 | 2 | -- | 0 | 2 |
| Illinois..... | 8 | 460 | 54 | 25 | 7 | -- | -- | 13 | -- | -- | 7 |
| Indiana..... | 69 | 7 | -- | 22 | 1 | -- | -- | 57 | -- | 0 | 2 |
| Michigan..... | 14 | 83 | -- | 28 | -- | -- | 26 | 3 | -- | -- | 7 |
| Ohio..... | 15 | 30 | -- | 61 | 10 | -- | -- | 4 | -- | -- | 9 |
| Wisconsin..... | 8 | 81 | 0 | 35 | -- | -- | 11 | 4 | -- | -- | 6 |
| West North Central..... | 8 | 78 | -- | 22 | 0 | -- | 9 | 2 | -- | 0 | 6 |
| Iowa..... | 9 | 424 | -- | 88 | -- | -- | -- | -- | -- | -- | 9 |
| Kansas..... | -- | 536 | -- | 114 | -- | -- | -- | -- | -- | -- | 113 |
| Minnesota..... | 17 | 141 | -- | 12 | -- | -- | 9 | 2 | -- | 0 | 9 |
| Missouri..... | 38 | 554 | -- | 194 | -- | -- | -- | 40 | -- | -- | 35 |
| Nebraska..... | 74 | -- | -- | 317 | -- | -- | -- | -- | -- | -- | 72 |
| North Dakota..... | 54 | 0 | -- | 0 | 0 | -- | -- | 151 | -- | -- | 30 |
| South Dakota..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Atlantic..... | 3 | 8 | 2 | 8 | 5 | -- | 5 | 1 | -- | 6 | 1 |
| Delaware..... | 54 | 35 | 26 | 0 | 10 | -- | -- | -- | -- | -- | 19 |
| District of Columbia..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida..... | 14 | 9 | -- | 11 | 0 | -- | -- | 3 | -- | 6 | 3 |
| Georgia..... | 6 | 10 | 0 | 18 | -- | -- | 63 | 1 | -- | -- | 2 |
| Maryland..... | 0 | 384 | -- | 81 | -- | -- | -- | 0 | -- | -- | 7 |
| North Carolina..... | 8 | 5 | -- | 172 | -- | -- | 8 | 2 | -- | 28 | 3 |
| South Carolina..... | 8 | 2 | -- | 73 | 1,797 | -- | -- | 1 | -- | -- | 2 |
| Virginia..... | 7 | 4 | -- | 17 | -- | -- | 293 | 1 | -- | -- | 4 |
| West Virginia..... | 9 | 44 | -- | 25 | 0 | -- | 1 | -- | -- | -- | 5 |
| East South Central..... | 4 | 5 | -- | 9 | 24 | -- | 3 | 1 | -- | 578 | 2 |
| Alabama..... | 12 | 2 | -- | 8 | 24 | -- | -- | 1 | -- | 578 | 2 |
| Kentucky..... | -- | -- | -- | 39 | -- | -- | -- | 1 | -- | -- | 13 |
| Mississippi..... | 0 | 15 | -- | 25 | 0 | -- | -- | 2 | -- | -- | 7 |
| Tennessee..... | 4 | 28 | -- | 36 | 0 | -- | 3 | 3 | -- | 0 | 3 |
| West South Central..... | 2 | 2 | * | 1 | 2 | -- | -- | 1 | -- | 13 | 1 |
| Arkansas..... | 0 | * | -- | 17 | -- | -- | -- | 1 | -- | 0 | 2 |
| Louisiana..... | 0 | 5 | -- | 2 | 3 | -- | -- | 1 | -- | 16 | 2 |
| Oklahoma..... | 14 | 0 | -- | 8 | 49 | -- | -- | 3 | -- | 0 | 6 |
| Texas..... | * | 2 | * | 2 | 3 | -- | -- | 2 | -- | 16 | 2 |
| Mountain..... | 7 | 110 | -- | 27 | -- | -- | -- | 2 | -- | 32 | 7 |
| Arizona..... | 0 | 197 | -- | 1,022 | -- | -- | -- | -- | -- | -- | 1 |
| Colorado..... | -- | 113 | -- | 87 | -- | -- | -- | -- | -- | -- | 81 |
| Idaho..... | 56 | 0 | -- | 29 | -- | -- | -- | 1 | -- | 44 | 8 |
| Montana..... | -- | -- | -- | 183 | -- | -- | -- | 20 | -- | -- | 28 |
| Nevada..... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico..... | -- | 92 | -- | 47 | -- | -- | -- | -- | -- | -- | 46 |
| Utah..... | 30 | -- | -- | 50 | -- | -- | -- | -- | -- | -- | 32 |
| Wyoming..... | 0 | 337 | -- | 63 | -- | -- | -- | -- | -- | 47 | 13 |
| Pacific Contiguous..... | 5 | 42 | 5 | 4 | 5 | -- | 169 | 2 | -- | 115 | 3 |
| California..... | 4 | 8 | 5 | 4 | 5 | -- | -- | 4 | -- | 115 | 3 |
| Oregon..... | 135 | 64 | -- | 3 | -- | -- | -- | 2 | -- | -- | 3 |
| Washington..... | 0 | 66 | -- | 33 | -- | -- | 169 | 3 | -- | -- | 6 |
| Pacific Noncontiguous... | -- | 7 | -- | 14 | 0 | -- | 35 | 18 | -- | -- | 9 |
| Alaska..... | -- | 29 | -- | 14 | -- | -- | -- | -- | -- | -- | 13 |
| Hawaii..... | -- | 3 | -- | -- | 0 | -- | 35 | 18 | -- | -- | 7 |

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Table A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, August 2004
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation ¹ | All Sectors ² |
|------------------------------|-------------|------------|------------|-----------------------------|--------------------------|
| New England | * | * | 2 | 0 | * |
| Connecticut | * | * | 1 | 0 | * |
| Maine | 1 | * | 1 | 0 | 1 |
| Massachusetts | 1 | * | 3 | 0 | 1 |
| New Hampshire | 1 | * | 2 | 0 | 1 |
| Rhode Island | 1 | * | 2 | 0 | 1 |
| Vermont | 3 | 1 | 4 | 0 | 2 |
| Middle Atlantic | * | * | 1 | 0 | * |
| New Jersey | * | * | 1 | 0 | * |
| New York | * | * | 1 | 0 | * |
| Pennsylvania | * | * | 0 | 0 | * |
| East North Central | * | 1 | 1 | 0 | * |
| Illinois | 1 | 1 | 1 | 0 | 1 |
| Indiana | 1 | 2 | 2 | 0 | 1 |
| Michigan | * | 2 | 1 | 0 | * |
| Ohio | 1 | 1 | 1 | 0 | 1 |
| Wisconsin | 1 | 2 | 3 | 0 | * |
| West North Central | 1 | 5 | 5 | 0 | 1 |
| Iowa | 1 | 25 | 5 | 0 | 1 |
| Kansas | 1 | 1 | 6 | 0 | 1 |
| Minnesota | 1 | 7 | 3 | 0 | * |
| Missouri | 1 | 5 | 5 | 0 | 2 |
| Nebraska | 2 | 4 | 14 | 0 | 4 |
| North Dakota | 3 | 4 | 43 | 0 | 7 |
| South Dakota | 3 | 8 | 26 | 0 | 7 |
| South Atlantic | 1 | 1 | 1 | 0 | 1 |
| Delaware | 1 | * | 2 | 0 | 1 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 |
| Florida | 1 | 1 | 3 | 0 | 1 |
| Georgia | 2 | 1 | 1 | 0 | 1 |
| Maryland | 1 | * | 0 | 0 | 1 |
| North Carolina | 1 | 1 | 1 | 0 | 1 |
| South Carolina | 2 | 1 | 1 | 0 | 1 |
| Virginia | 1 | * | 1 | 0 | 1 |
| West Virginia | * | * | 0 | 0 | * |
| East South Central | 1 | 1 | 1 | 0 | 1 |
| Alabama | 2 | 1 | 1 | 0 | 1 |
| Kentucky | 2 | 2 | 2 | 0 | 2 |
| Mississippi | 2 | 1 | 4 | 0 | 1 |
| Tennessee | 1 | 1 | 3 | 0 | 2 |
| West South Central | 1 | 1 | 4 | 0 | 1 |
| Arkansas | 1 | 1 | 6 | 0 | 1 |
| Louisiana | 1 | 1 | 1 | 0 | * |
| Oklahoma | 1 | 1 | 4 | 0 | 1 |
| Texas | 1 | 1 | 3 | 0 | 1 |
| Mountain | 1 | 2 | 5 | 0 | 1 |
| Arizona | 1 | 3 | 7 | 0 | * |
| Colorado | 2 | 2 | 16 | 0 | 1 |
| Idaho | 2 | 2 | 3 | 0 | 2 |
| Montana | 3 | 3 | 27 | 0 | 6 |
| Nevada | 1 | 1 | 1 | 0 | 1 |
| New Mexico | 3 | 5 | 25 | 0 | 2 |
| Utah | 2 | 2 | 5 | 0 | 1 |
| Wyoming | 3 | 3 | 6 | 0 | 4 |
| Pacific Contiguous | 1 | 3 | 10 | 0 | 1 |
| California | 1 | 4 | 7 | 0 | 1 |
| Oregon | 2 | 2 | 16 | 0 | 3 |
| Washington | 2 | 2 | 26 | 0 | 3 |
| Pacific Noncontiguous | * | 7 | 0 | 0 | * |
| Alaska | 1 | 13 | 1 | 0 | * |
| Hawaii | 0 | 0 | 0 | 0 | 0 |

¹ Prior to January 2004 data were reported for the other sector, which includes transportation. Because January was the first time for respondents to submit data for the transportation sector, the quality of the information is still being evaluated. These data will be provided in a subsequent issue of this report.

² Beginning with January 2004 data, there are small quantities of data for the transportation sector included.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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 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 August 2004
(Percent)

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

¹ Prior to January 2004 data were reported for the other sector, which includes transportation. Because January was the first time for respondents to submit data for the transportation sector, the quality of the information is still being evaluated. These data will be provided in a subsequent issue of this report.

² Beginning with January 2004 data, there are small quantities of data for the transportation sector included.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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, August 2004
(Percent)

| Census Division and State | Residential | Commercial | Industrial | Transportation ¹ | All Sectors ² |
|------------------------------------|-------------|------------|------------|-----------------------------|--------------------------|
| New England | 1 | 1 | 2 | 0 | 1 |
| Connecticut..... | 1 | 1 | 1 | 0 | 1 |
| Maine..... | 1 | * | 2 | 0 | 1 |
| Massachusetts..... | 1 | 1 | 3 | 0 | 1 |
| New Hampshire..... | 1 | 1 | 1 | 0 | 1 |
| Rhode Island..... | 1 | * | 1 | 0 | 1 |
| Vermont..... | 5 | 2 | 4 | 0 | 4 |
| Middle Atlantic | * | * | * | 0 | * |
| New Jersey..... | * | * | 1 | 0 | * |
| New York..... | * | * | 1 | 0 | * |
| Pennsylvania..... | 1 | * | * | 0 | 1 |
| East North Central | * | 1 | 1 | 0 | * |
| Illinois..... | 1 | * | * | 0 | * |
| Indiana..... | 1 | 1 | 1 | 0 | 1 |
| Michigan..... | 1 | 2 | 2 | 0 | 1 |
| Ohio..... | 1 | 1 | 1 | 0 | * |
| Wisconsin..... | 1 | 4 | 3 | 0 | 1 |
| West North Central | 1 | 3 | 4 | 0 | 1 |
| Iowa..... | 2 | 15 | 5 | 0 | 2 |
| Kansas..... | 3 | 1 | 7 | 0 | 2 |
| Minnesota..... | 2 | 5 | 4 | 0 | 1 |
| Missouri..... | 1 | 1 | 2 | 0 | 1 |
| Nebraska..... | 2 | 4 | 16 | 0 | 5 |
| North Dakota..... | 3 | 2 | 38 | 0 | 7 |
| South Dakota..... | 3 | 4 | 24 | 0 | 7 |
| South Atlantic | 1 | 1 | 1 | 0 | 1 |
| Delaware..... | 2 | 2 | 3 | 0 | 2 |
| District of Columbia..... | 0 | 0 | 0 | 0 | 0 |
| Florida..... | 1 | 1 | 1 | 0 | 1 |
| Georgia..... | 2 | 1 | 1 | 0 | 1 |
| Maryland..... | 1 | 1 | * | 0 | 1 |
| North Carolina..... | 1 | 1 | 1 | 0 | 1 |
| South Carolina..... | 2 | 1 | 1 | 0 | 1 |
| Virginia..... | 1 | 1 | 1 | 0 | 1 |
| West Virginia..... | 1 | * | * | 0 | * |
| East South Central | 1 | * | 1 | 0 | 1 |
| Alabama..... | 2 | 1 | 1 | 0 | 1 |
| Kentucky..... | 2 | 1 | 1 | 0 | 1 |
| Mississippi..... | 3 | 1 | 4 | 0 | 1 |
| Tennessee..... | 1 | 1 | 1 | 0 | 1 |
| West South Central | 1 | 1 | 3 | 0 | 1 |
| Arkansas..... | 3 | 1 | 5 | 0 | 2 |
| Louisiana..... | 2 | 1 | 1 | 0 | 1 |
| Oklahoma..... | 2 | 1 | 4 | 0 | 1 |
| Texas..... | 1 | 1 | 3 | 0 | 1 |
| Mountain | 1 | 1 | 6 | 0 | 1 |
| Arizona..... | 1 | 1 | 7 | 0 | * |
| Colorado..... | 2 | 2 | 21 | 0 | 1 |
| Idaho..... | 2 | 2 | 4 | 0 | 3 |
| Montana..... | 3 | 2 | 21 | 0 | 6 |
| Nevada..... | 1 | 1 | 1 | 0 | 1 |
| New Mexico..... | 4 | 4 | 28 | 0 | 2 |
| Utah..... | 2 | 2 | 8 | 0 | 1 |
| Wyoming..... | 4 | 3 | 8 | 0 | 5 |
| Pacific Contiguous | 1 | 1 | 6 | 0 | 1 |
| California..... | 1 | 1 | 5 | 0 | * |
| Oregon..... | 2 | 2 | 17 | 0 | 4 |
| Washington..... | 2 | 2 | 24 | 0 | 4 |
| Pacific Noncontiguous | * | 6 | * | 0 | * |
| Alaska..... | 1 | 12 | 3 | 0 | 2 |
| Hawaii..... | 0 | 0 | 0 | 0 | 0 |

¹ Prior to January 2004 data were reported for the other sector, which includes transportation. Because January was the first time for respondents to submit data for the transportation sector, the quality of the information is still being evaluated. These data will be provided in a subsequent issue of this report.

² Beginning with January 2004 data, there are small quantities of data for the transportation sector included.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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 August 2004
(Percent)

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

¹ Prior to January 2004 data were reported for the other sector, which includes transportation. Because January was the first time for respondents to submit data for the transportation sector, the quality of the information is still being evaluated. These data will be provided in a subsequent issue of this report.

² Beginning with January 2004 data, there are small quantities of data for the transportation sector included.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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, August 2004
(Percent)

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

¹ Prior to January 2004 data were reported for the other sector, which includes transportation. Because January was the first time for respondents to submit data for the transportation sector, the quality of the information is still being evaluated.

² Beginning with January 2004 data, there are small quantities of data for the transportation sector included.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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 August 2004
(Percent)

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

¹ Prior to January 2004 data were reported for the other sector, which includes transportation. Because January was the first time for respondents to submit data for the transportation sector, the quality of the information is still being evaluated. These data will be provided in a subsequent issue of this report.

² Beginning with January 2004 data, there are small quantities of data for the transportation sector included.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and 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. • Estimates for 2004 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, 2004

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-----------------|---|------------|---|-----------------------------------|--|---|-----------------------|
| January | | | | | | | |
| 1/01/04 | Pacific Gas and Electric Company (WECC) | 7:30 a.m. | Northern California | Winter Storm | 170 | 263,000 | 1/02/04, 4:00 p.m. |
| 1/07/04 | Puget Sound Energy (WECC) | Midnight | King County | Snow Storm | 150 | 145,000 | 1/10/04, 5:00 p.m. |
| 1/08/04 | National Grid (New York) (NPCC) | 3:00 p.m. | Lake Placid/Saranac, New York | Public Appeal to Reduce Load | 100 | 18,600 | 1/10/04, 7:00 p.m. |
| 1/14/04 | National Grid (New York) (NPCC) | 6:00 a.m. | Lake Placid/Saranac, New York | Public Appeal to Reduce Load | 100 | 18,600 | 1/17/04, 12:00 noon |
| 1/26/04 | South Carolina Electric and Gas (SERC) | 10:00 a.m. | Central South Carolina | Ice Storm | 500-700 | 150,000 | 1/28/04, 8:00 a.m. |
| 1/26/04 | Southern Company (SERC) | 2:00 p.m. | North and Central area of Georgia | Ice Storm | Less than 150 | 30,689 | 1/27/04, 8:00 p.m. |
| 1/26/04 | Progress Energy - Carolinas (Carolina Power and Light) (SERC) | 4:00 p.m. | Central and Eastern North Carolina and Northern and Eastern South Carolina | Ice Storm | 475 | 9,905 | 1/29/04, 6:30 a.m. |
| 1/28/04 | Baltimore Gas & Electric Company (MAAC) | 1:09 p.m. | Harford County, Maryland | Ice Storm | Approx. 300 | Approx. 70,000 | 1/29/04, 5:00 a.m. |
| February | | | | | | | |
| 2/05/04 | Allegheny Power (MAAC) | 8:00 p.m. | Maryland, Southeastern West Virginia, Northern Virginia, Northern Pennsylvania and South Central Pennsylvania | Ice Storm | 60 | 87,456 | 2/09/04, 8:00 p.m. |
| 2/14/04 | National Grid (Niagara Mohawk) (NPCC) | 8:00 p.m. | Lake Colby, Lake Placid, Tupper Lake | Public Appeal to Reduce Load | Approx. 30 | 18,600 | 2/16/04, 12 noon |
| 2/17/04 | Crockett Cogeneration (WECC) | 2:25 p.m. | San Francisco Bay area, California | Lightning struck Intertie Breaker | 220 | PG&E | 2/17/04, 11:57 p.m. |
| 2/25/04 | Pacific Gas and Electric Company (WECC) | 12:01 a.m. | Northern California | Winter Storm | 240 | 505,000 | 2/26/04, 10:00 a.m. |
| 2/26/04 | Southern Company (SERC) | 12:00 a.m. | Georgia | Severe Storm | 10 | 47,165 | 2/26/04, 1:30 a.m. |
| March | | | | | | | |
| 3/04/04 | Electric Reliability Council of Texas (ERCOT) | 5:00 a.m. | North Texas | High Winds - Severe Storm | Less than 300 | 63,000 | 3/16/04, 2:45 p.m. |
| 3/07/04 | Duke Energy Company/Duke Power Control Area (SERC) | 6:30 p.m. | North and South Carolina | Severe Storm | 1,000 | 206,000 | 3/09/04, 8:00 a.m. |
| 3/08/04 | Southern California Edison (WECC) | 6:22 p.m. | Southern California not including LA | Inadequate Resources | 300 | Approx. 70,000 | 3/08/04, 6:55 p.m. |
| 3/17/04 | El Paso Electric Company (WECC) | 1:27 p.m. | El Paso, Texas | Faulty Switch | Approx. 300 | Approx. 100,000 | 3/17/04, 2:06 p.m. |
| April | | | | | | | |
| 4/10/04 | CenterPoint Energy (ERCOT) | 8:00 p.m. | Houston, Texas and surrounding suburban areas | Thunderstorms | Approx. 100 | 85,000 at peak | 4/11/04, 4:00 p.m. |
| 4/12/04 | Florida Power & Light (FRCC) | 5:30 a.m. | FPL's service territory mostly in Naples and Ft. Myers Florida | Storm with High Winds | 250 | 179,000 | 4/12/04, 10:15 a.m. |
| 4/27/04 | Snohomish County PUD 1 (WECC) | 12:35 p.m. | Snohomish County Washington | Strong Winds | Approx. 300 | 187,000 | 4/30/04, 12:00 p.m. |
| May | | | | | | | |
| 5/03/04 | Southern California Edison (WECC) | 2:30 p.m. | Central and Southern California | Heat Storm | 662 | Approx. 940 | 5/03/04, 7:00 p.m. |
| 5/11/04 | CenterPoint Energy (ERCOT) | 3:30 p.m. | Houston, Texas and surrounding suburban areas | Strong Thunderstorms | Approx. 85 | 62,500 at peak | 5/11/04, 6:00 p.m. |
| 5/21/04 | Ohio Edison (ECAR) | 2:00 a.m. | Akron and Youngstown areas | Severe Thunderstorms | 133 on 5/21/04 between 3:00 a.m. and 4:00 a.m., 392 on 5/21/04 between 4:00 p.m. and 5:00 p.m. | 281,000 | 5/24/04, 12:00 a.m. |
| 5/21/04 | Cleveland Electric Illuminating Company (ECAR) | 2:00 a.m. | Cleveland area | Severe Thunderstorms | 177 on 5/21/04 between 3:00 p.m. and 5:00 p.m. | 127,000 | 5/24/04, 12:00 a.m. |
| 5/21/04 | Allegheny Power (MAAC) | 5:30 a.m. | Western Pennsylvania, Northern West Virginia, Western Maryland, Northern Virginia | High Winds and Heavy Rains | 60 at peak, total 162 | 94,366 at peak, total 225,353 | 5/25/04, 12:00 a.m. |

Table B.1. Major Disturbances and Unusual Occurrences, 2004 (Continued)

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|---------------|---|------------|--|--|------------------|---|-----------------------|
| 5/21/04 | American Electric Power (ECAR) | 11:00 a.m. | Northern and Southern Michigan, AEP Fort Wayne/Michigan Region, Buchanan, Elkhart, New Buffalo, South Bend, St. Joseph, Three Rivers areas | Severe Thunderstorms | 303 | 122,600 | 5/26/04, 9:00 p.m. |
| 5/21/04 | Consumers Energy (ECAR) | 1:00 p.m. | Lower peninsula of Michigan following cities: Grand Rapids, Kalamazoo, Battle Creek, Jackson, Bronson, Jonesville, Flint | Severe Thunderstorms | 200 | 248,209 | 5/25/04, 12:00 p.m. |
| 5/21/04 | Detroit Edison (ECAR) | 4:00 p.m. | Southeast Michigan | Severe Thunderstorms | 630 | Greater than 250,000 | 5/24/04, 8:00 p.m. |
| 5/28/04 | Seminole Electric Cooperative (FRCC) | 12:00 p.m. | Florida counties of Gadsden, Wakulla, Leon, and Liberty | Public Appeals | 0 | 0 | 5/31/04, 12:00 a.m. |
| 5/28/04 | City of Tallahassee (FRCC) | 12:00 p.m. | Florida counties of Gadsden, Wakulla, Leon, and Liberty | Public Appeals | 0 | 0 | 5/31/04, 12:00 a.m. |
| 5/28/04 | Progress Energy Florida (FRCC) | 12:00 p.m. | Florida counties of Gadsden, Wakulla, Leon, and Liberty | Public Appeals | 0 | 0 | 5/31/04, 12:00 a.m. |
| June | | | | | | | |
| 6/01/04 | TXU Electric Delivery (ERCOT) | 5:00 p.m. | Collin, Dallas, Denton, Ellis, Parker, and Tarrant Counties, Texas | Severe Storms with Strong Winds | 1,900 | 500,000 | 6/02/04, 1:00 a.m. |
| 6/02/04 | American Electric Power (ECAR) | 1:46 a.m. | Shreveport, Louisiana | Severe Thunderstorms with Strong Winds | 350 | 59,057 | 6/07/04, 4:00 p.m. |
| 6/02/04 | American Electric Power (ECAR) | 2:35 a.m. | Tulsa, Oklahoma | Severe Thunderstorms with Strong Winds | 280 | 56,874 | 6/06/04, 6:00 p.m. |
| 6/12/04 | Lincoln Electric System (MAPP) | 5:37 p.m. | Lincoln, Nebraska | Tornado | 428 | 120,212 | 6/12/04, 5:41 p.m. |
| 6/14/04 | Arizona Public Service (WECC) | 7:41 a.m. | Phoenix, Arizona | Fault on Line | 200 | 30,000 | 6/14/04, 2:39 p.m. |
| 6/23/04 | Idaho Power Company (WECC) | 5:35 p.m. | Southern Idaho | Load Shedding | 157 | 35,000 | 6/23/04, 7:10 p.m. |
| 6/23/04 | Southern Company (SERC) | 7:00 p.m. | Georgia and Alabama | Thunderstorms | 50 | 50,595 | 6/23/04, 8:00 p.m. |
| July | | | | | | | |
| 7/06/04 | Salt River Project (WECC) | 6:00 a.m. | Metro Phoenix, Arizona | Fire/Substation Multiple Public Appeals | - | - | 8/09/04, 12:00 p.m. |
| 7/06/04 | Arizona Public Service (WECC) | 6:00 a.m. | Metro Phoenix, Arizona | Fire/Substation Multiple Public Appeals | - | - | 8/09/04, 12:00 p.m. |
| 7/07/04 | Dominion - Virginia Power/North Carolina Power (SERC) | 1:30 p.m. | Central Virginia | Severe Thunderstorms | 120 | 88,110 | 7/07/04, 11:54 p.m. |
| 7/13/04 | City of Tallahassee (FRCC) | 1:34 p.m. | Leon County, Florida | Units Tripped | 283 | 42,124 | 7/13/04, 5:15 p.m. |
| 7/13/04 | Cinergy Services (ECAR) | 4:30 p.m. | West, West Central and Southern Indiana | Severe Thunderstorms | 600 | 135,000 | 7/17/04, 8:00 a.m. |
| 7/20/04 | Southern California Edison (WECC) | 2:26 p.m. | Soledad Canyon near Acton, California | Wildfire/Shed Interruptible Load | 214 | - | 7/21/04, 2:00 a.m. |
| 7/20/04 | Puerto Rico Electric Power Authority (PR) | 3:44 p.m. | Regions of San Juan, Caguas, Ponce, Bayamon, Carolina, Arecibo and Mayaguez | Wildfire | 200 | 61,624 | 7/20/04, 5:51 p.m. |
| 7/21/04 | Commonwealth Edison (MAIN) | 5:30 p.m. | Chicago, Illinois | Severe Thunderstorms | Approx. 200 | 200,000 | 7/22/04, 7:00 p.m. |
| 7/24/04 | Entergy Transmission (SPP) | 3:45 p.m. | Southwest Louisiana in the Acadia Parish vicinity | Public Appeal | - | - | 7/25/2004, 9:00 p.m. |
| 7/25/04 | Southern Company (SERC) | 10:00 p.m. | Georgia, Alabama, Florida panhandle, Southern Mississippi | Severe Storms | 61 | 61,004 | 7/25/04, 11:00 p.m. |
| August | | | | | | | |
| 8/02/04 | Entergy Transmission (SPP) | 10:00 a.m. | Southeast Texas | Unplanned Generator Outage/High Loads Made Public Appeal | - | - | 8/02/04, 8:00 p.m. |
| 8/03/04 | Commonwealth Edison (MAIN) | 9:00 p.m. | Northern Illinois | Severe Storm | 127 | 127,000 | 8/04/04, 7:00 a.m. |
| 8/04/04 | Southern California Edison (WECC) | 12:46 p.m. | Northwest Orange County, California | Fault at Barre Substation | 480 | 182,000 | 8/04/04, 1:50 p.m. |
| 8/09/04 | Puerto Rico Electric Power Authority (PR) | 8:23 a.m. | Whole Island of Puerto Rico | Two Large Units Tripped | 451.7 | 259,478 | 8/09/04, 11:10 a.m. |

Table B.1. Major Disturbances and Unusual Occurrences, 2004 (Continued)

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-----------|---|------------|--|---|------------------|---|-----------------------|
| 8/13/04 | Progress Energy Florida (FRCC) | 8:00 a.m. | Florida counties of Hardee, Highlands, Lake, Orange, Osceola, Polk, Seminole, Volusia | Hurricane Charley | 1,300 | 502,000 | 8/23/04, 12:00 a.m. |
| 8/13/2004 | Florida Power & Light (FRCC) | 3:00 p.m. | West Coast of Florida from Naples to Charlotte and in an area centered around Daytona Beach | Hurricane Charley | 1,400 | 1,200,000 | 8/13/04, 11:00 p.m. |
| 8/13/04 | Seminole Electric Cooperative (FRCC) | 1:30 p.m. | Florida counties of Collier, Hendry, Glades, Highlands, Charlotte, Desoto, Lee, Hardee, and Polk | Hurricane Charley | 700 | 200,000 | 8/13/04, 12 a.m. |
| 8/13/04 | Tampa Electric Company (FRCC) | 4:43 p.m. | Eastern Hillsborough, Polk County, Florida | Hurricane Charley | 250 | 78,000 | 8/13/04, 8:24 p.m. |
| 8/13/04 | Utilities Commission, City of New Smyrna Beach (FRCC) | 10:04 p.m. | New Smyrna Beach, Florida | Hurricane Charley | 65 | 23,000 | 8/14/04, 4:23 p.m. |
| 8/14/04 | Progress Energy - Carolinas (SERC) | 1:00 p.m. | Central and Eastern North Carolina and Northern and Eastern South Carolina | Hurricane Charley | 500 | 94,000 | 8/14/04, 11:00 p.m. |
| 8/20/04 | National Grid USA (NPCC) | 3:31 p.m. | Boston, Massachusetts | Major Transmission Line Tripped due to Lightning Strike | 22,700 | 380,000 | 8/20/04, 9:45 p.m. |
| 8/29/04 | South Carolina Electric and Gas Company (SERC) | 9: 52 a.m. | Southeastern South Carolina | Tropical Storm Gaston | 450 | 125,000 | 8/29/04, 6:00 p.m. |
| 8/30/04 | Dominion - Virginia Power/North Carolina Power (SERC) | 6:58 p.m. | Central Virginia, South to North Carolina and East to the Virginia Coast | Tropical Storm Gaston | 150 | 99,816 | 8/31/04, 3:35 p.m. |

¹ = Estimated Values.

Note: North American Electric Reliability Council region acronyms are defined in the glossary.

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

Table B.2. Major Disturbances and Unusual Occurrences, 2003

| Date | Utility/Power Pool (NERC Region) | Time | Area Affected | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Date/Time |
|-----------------|---|------------|---|----------------------------|------------------|---|-----------------------|
| January | | | | | | | |
| 1/25/03 | Cinergy Corporation (ECAR) | 2:00 p.m. | Cincinnati, Ohio | Cyber Threat From Internet | NA | NA | 1/26/03, 2:00 a.m. |
| February | | | | | | | |
| 2/27/03 | Duke Energy Corporation (SERC) | 11:32 a.m. | Piedmont, North Carolina | Winter Ice Storm | 1,000 | over 340,000 | 3/01/03, 8:00 a.m. |
| March | | | | | | | |
| None | | | | | | | |
| April | | | | | | | |
| 4/03/03 | Consumers Energy (ECAR) | 7:00 p.m. | Lower Michigan Peninsula | Ice Storm | 300 | 425,000 | 4/06/03, 5:00 p.m. |
| 4/04/03 | Niagara Mohawk Power Corporation (NPCC) | 3:11 a.m. | New York, Upstate New York | Severe Storm | 200-250 | 160,000 | 4/05/03, 2:00 p.m. |
| 4/15/03 | Bryan Texas Utilities (ERCOT) | 11:00 a.m. | Cities of Bryan, College Station and surrounding areas | Relaying Malfunction | 212 | 68,530 | 4/15/03, 2:06 p.m. |
| 4/28/03 | American Transmission Company (MAIN) | 3:41 p.m. | County of Waukesha, Wisconsin, Town of Lisbon, Wisconsin | Vandalism | 0 | 0 | 4/29/03, 12:00 noon |
| May | | | | | | | |
| 5/02/03 | Duke Energy Company/ Duke Power Control Area (SERC) | 5:00 p.m. | Piedmont, North and South Carolina | Severe Thunderstorms | 1,500 | 139,000 | 5/04/03, 12:00 noon |
| 5/02/03 | Southern Company (SERC) | 8:00 p.m. | Central Georgia, Alabama | Severe Thunderstorms | 130 | 102,842 (Georgia) 12,897 (Alabama) | 5/03/03, 8:00 a.m. |
| 5/15/03 | Center Point Energy (ERCOT) | 2:52 a.m. | North Texas | Interruption of Firm Power | 476 | 192,000 | 5/15/03, 3:29 a.m. |
| 5/15/03 | We Energies (MAIN) | 2:00 p.m. | Upper Michigan Peninsula | Flood | 240 | 2 | 6/16/03, 2:00 p.m. |
| June | | | | | | | |
| 6/15/03 | Idaho Power Company Control Area (WECC) | 3:12 p.m. | Idaho | Public Appeal | 0 | 0 | 6/16/03, 5:00 p.m. |
| 6/30/03 | Entergy Corporation (SPP) | 1:00 p.m. | Coastal areas of Southwest Louisiana entire New Orleans metropolitan area | Tropical Storm Bill | NA | 179,299 | 6/30/03, 12:00 a.m. |
| July | | | | | | | |
| 7/01/03 | Arizona Public Service Company (WECC) | 3:15 p.m. | Phoenix, Arizona | Breaker Failure | 1,000 | 47,000 | 7/01/03, 3:50 p.m. |
| 7/02/03 | Pacific Gas and Electric Company (WECC) | 1:54 p.m. | Northern California | Unit Tripped | 200 | 1 | 7/02/03, 3:59 p.m. |
| 7/04/03 | We Energies (MAIN) | 6:00 a.m. | Southeast Wisconsin | Severe Thunderstorms | 150 | 52,000 | 7/04/03, 10:00 a.m. |
| 7/04/03 | Consumers Energy (ECAR) | 9:00 a.m. | Lower Michigan Peninsula | Severe Thunderstorms | 75-90 | 131,000 | 7/06/03, 4:00 p.m. |
| 7/04/03 | Cinergy (ECAR) | 11:41 p.m. | Southwest Ohio, portions of Indiana | Severe Storms | 200 | 55,142 | 7/06/03, 9:00 p.m. |
| 7/05/03 | Com Ed (MAIN) | 3:00 a.m. | Northern Illinois | Severe Storms | 80 | 130,000 | 7/05/03, 7:00 a.m. |
| 7/07/03 | Com Ed (MAIN) | 9:00 a.m. | Northern Illinois | Severe Thunderstorms | NA | 72,000 | 7/07/03, 3:00 p.m. |
| 7/08/03 | American Electric Power (ECAR) | 4:00 a.m. | Ohio | Severe Thunderstorms | 11,000 | 134,500 | 7/11/03, 4:00 p.m. |
| 7/09/03 | Dominion Virginia/North Carolina Power (SERC) | 5:14 p.m. | Northern Central and Eastern Virginia | Severe Thunderstorms | 120 | 80,000 | 7/09/03, 7:09 p.m. |
| 7/15/03 | American Electric Power-Texas Central Company (ERCOT) | 8:24 a.m. | Texas | Hurricane Claudette | 230-300 | 108,000 | 7/21/03, 10:30 a.m. |
| 7/21/03 | PPL Electric Utilities (MAAC) | 5:15 p.m. | Pennsylvania | Severe Storms | 500-1000 | 185,000 | 7/24/03, 5:33 a.m. |
| 7/28/03 | Arizona Public Service (WECC) | 6:55 p.m. | Arizona | Breaker Closed | 440 | 90,000 | 7/28/03, 8:35 p.m. |

Table B.2. Major Disturbances and Unusual Occurrences, 2003
(Continued)

| Date | Utility/Power Pool (NERC Region) | Time | Area | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Time |
|------------------|--|-------------------------|--|------------------------|--|---|--|
| August | | | | | | | |
| 8/14/03 | Midwest Independent System Operator (ECAR) | Approximately 3:00 p.m. | Geographic areas for MISO Reliability Coordination footprint: Michigan and Ohio | Unknown * | Approx. 18,500 MW, in MISO area: First Energy 7,500 Detroit Edison 9,200 Consumers Energy 1,800 | NA | Approximately 8/17/03, 5:00 p.m. |
| 8/14/03 | Detroit Edison (ECAR) | 4:09 p.m. | Southeastern Michigan including all of Detroit | Unknown * | 11,000 | 2,100,000 | 8/16/03, 7:00 a.m. |
| 8/14/03 | Consumers Power (ECAR) | 4:09 p.m. | Southern Lower Michigan and small areas near Flint, Alma, Saginaw, and Lansing Michigan | Unknown * | 1,007 | 101,000 | 8/16/03, 1:03 p.m. |
| 8/14/03 | First Energy Corporation (ECAR) | 4:10 p.m. | Northeast, Ohio | Unknown * | 7,000 | 1,203,000 | 8/16/03, 8:27 p.m. |
| 8/14/03 | ISO New England (NPCC) | 4:10 p.m. | Southwestern Connecticut and a small portion of Western Massachusetts and Vermont | Unknown * | 2,500 | NA | 8/16/03, 3:45 a.m. Restoration ended; 8/17/03, 7:00 p.m., incident ended |
| 8/14/03 | New York Independent System Operator (NPCC) | 4:10 p.m. | New York State | Unknown * | 22,934 | unknown | 8/18/03, 12:03 a.m. |
| 8/14/03 | Niagara Mohawk (NPCC) | 4:10 p.m. | New York- Buffalo to Albany; Ontario, Canada to Pennsylvania | Unknown * | NA | 840,137 | 8/14/03, 11:48 p.m. |
| 8/14/03 | PJM Interconnection, LLC (MAAC) | 4:10 p.m. | Northern New Jersey Erie, Pennsylvania area | Unknown * | 4,100 MW (Northern NJ) and 400 MW, (Erie, PA) area | NA | Approximately 8/15/03, 6:00 a.m. |
| 8/14/03 | Consolidated Edison Co of New York (NPCC) | 4:11 p.m. | Entire Con Edison System (five boroughs of NYC and Westchester County) | Unknown * | 11,202 | 3,125,350 | 8/15/03, 9:03 p.m. |
| 8/26/03 | Baltimore Gas and Electric (MAAC) | 4:00 p.m. | Maryland: Anne Arundel County, Baltimore County, Calvert County, Carroll County, Howard County, Montgomery County, Prince George's and Baltimore City. | Severe Thunderstorms | 625 | 93,000 at peak 133,000 cumulative | 8/29/03, 12:00 noon |
| 8/26/03 | Potomac Electric Power Company (Pepco) (MAAC) | 4:22 p.m. | Washington, D.C., Montgomery County, Prince Georges County, Maryland | Severe Thunderstorms | 1,500 | 153,000 | 8/31/03, 6:00 p.m. |
| September | | | | | | | |
| 9/07/03 | American Transmission Company, LLC (MAIN) | 5:19 a.m. | Upper Michigan Peninsula | Transmission Equipment | 310 | 4 (industrial) | 9/07/03, 6:00 p.m. |
| 9/18/03 | Dominion-Virginia Power/ North Carolina Power (SERC) | 8:20 a.m. | North Eastern North Carolina, Eastern Central, and Northern Virginia | Hurricane Isabel | 6,512 | 1.8 million | 9/29/03, 10:42 p.m. |
| 9/18/03 | Carolina Power and Light (SERC) | 11:45 a.m. | Eastern North Carolina | Hurricane Isabel | peak 1655 | peak 320,00 9/18/03 7:00 p.m. | 9/18/03, 12:00 midnight |
| 9/18/03 | Baltimore Gas and Electric (MAAC) | 12:00 noon | Central Maryland (Baltimore City, Baltimore County, Anne Arundel County, Hartford County, Montgomery County, Calvert County, Prince George's County, Carroll County and Howard County) | Hurricane Isabel | 2,000 | 650,000 | 9/26/03, 10:50 p.m. |
| 9/18/03 | Allegheny Power (MAAC) | 2:00 p.m. | Maryland, West Virginia, Virginia and Pennsylvania | Hurricane Isabel | 3,085 | 237,366 | 9/24/03, 12:00 midnight |
| 9/18/03 | Duke Energy Company/Duke Power Control Area (SERC) | 3:32 p.m. | Triangle and Tridada (Greensboro – High Point) Areas North Carolina - Northern Region | Hurricane Isabel | 500-700 | Under 50,000 | 9/19/03, 5:00 p.m. |

Table B.2. Major Disturbances and Unusual Occurrences, 2003
(Continued)

| Date | Utility/Power Pool (NERC Region) | Time | Area | Type of Disturbance | Loss (megawatts) | Number of Customers Affected ¹ | Restoration Time |
|-----------------|--|------------|---|------------------------------------|------------------|---|------------------------------------|
| 9/18/03 | Potomac Electric Power Company (Pepco) (MAAC) | 4:20 p.m. | District of Columbia, Montgomery and Prince George's Counties, Maryland | Hurricane Isabel | NA | Over 530,000 peak on 9/19/03 | 9/28/03, 6:00 p.m. |
| 9/18/03 | PPL Electric Utilities (MAAC) | 9:00 p.m. | All PPL including: Williamsport, Harrisburg, Lancaster, Scranton and Allentown areas | Hurricane Isabel | 1,300 | 425,000 | 9/21/03, 5:00 p.m. |
| October | | | | | | | |
| 10/26/03 | San Diego Gas and Electric Company (WECC) | 1:44 a.m. | San Diego County, California | Wild Fire | N/A | 108,000 (Dist. And Trans. Combined) | 11/18/03, 10:54 a.m. (Trans. Only) |
| November | | | | | | | |
| 11/05/03 | PJM Interconnection (MAAC) | 3:16 p.m. | Maryland/Virginia border | Tornado | 350 | 1 | 11/05/03, 3:54 p.m. |
| 11/12/03 | Consumers Energy (ECAR) | 5:00 p.m. | Lower Michigan Peninsula | Wind Storm | 75-90 | 245,000 | 11/16/03, 6:00 p.m. |
| 11/12/03 | Com Ed (MAIN) | 5:00 p.m. | Northern Illinois | High Winds | Est. 371.1 | 51,000 | 11/12/03, 7:00 p.m. |
| 11/12/03 | DTE Energy (ECAR) | 6:00 p.m. | Southeastern Michigan | Storm with High Winds | Est. 75 | 160,000 | 11/16/03, 5:00 p.m. |
| 11/13/03 | Baltimore Gas and Electric (MAAC) | 6:00 a.m. | Central Maryland (Baltimore City, Baltimore County, Anne Arundel County, Harford County, Montgomery County, Calvert County, Prince George's County, Carroll County and Howard County) | High Winds | 375 | 110,000 | 11/16/03, 4:00 p.m. |
| 11/13/03 | Niagara Mohawk (NPCC) | 7:30 a.m. | New York | Storm with High Winds | Approx. 180 | 50,280 | 11/14/03, 6:30 a.m. |
| 11/13/03 | Potomac Electric Power Company (Pepco) (MAAC) | 11:00 a.m. | Washington, D.C., Montgomery County, Prince Georges County, Md | Major Wind Storm | Est. 400 | 104,195 at 5:23 p.m. 11/13/03 | 11/14/03, 7:30 a.m. |
| 11/13/03 | Dominion-Virginia Power/ North Carolina Power (SERC) | 1:40 p.m. | Northern Virginia, Richmond area, Eastern Virginia | Wind Storm | 300 | 67,000 | 11/13/03, 3:51 p.m. |
| December | | | | | | | |
| 12/01/03 | REMVEC (NPCC) | 6:16 p.m. | Cape Cod and part of SE Massachusetts | Wild Fire – Transmission Equipment | 630 | 300,000 | 12/01/03, 8:11 p.m. |
| 12/04/03 | Puget Sound Energy (WECC) | 7:00 a.m. | Eastern portions of King County and Pierce County | High Winds | 175 | 200,000 (Peak) | 12/08/03, 7:00 a.m. |
| 12/04/03 | American Transmission Company, LLC (MAIN) | 10:34 p.m. | Northeast Wisconsin and Central/Western Upper Peninsula of Michigan | Fault on 138 KV line | 650 | 6 (utilities) | 12/07/03, 8:30 a.m. |
| 12/04/03 | Wisconsin Electric Power Company (MAIN) | 10:15 p.m. | Upper Peninsula of Michigan and Northeastern Wisconsin | Fault on 138 KV line | 500 | 36,000 | 12/08/03, 8:30 a.m. |
| 12/05/03 | City of Homestead (FRCC) | 4:49 a.m. | State of Florida - Dade County | Transmission Equipment | 27 | 16,500 | 12/05/03, 6:25 a.m. |
| 12/05/03 | Upper Peninsula Power Company (MAIN) | 7:00 a.m. | Northeast Wisconsin and Central/Western Upper Peninsula of Michigan | Transmission Equipment | 14 | 2 | 12/05/03, 8:00 p.m. |
| 12/20/03 | Pacific Gas and Electric (WECC) | 3:51 p.m. | San Francisco, California | Cable Failure | 150 | 120,000 | 12/21/03, 11:45 p.m. |
| 12/22/03 | Pacific Gas and Electric (WECC) | 11:15 a.m. | Central California Coast | Earthquake | 220 | 109,750 | 12/22/03, 11:16 a.m. |
| 12/28/03 | Pacific Gas and Electric (WECC) | 9:00 p.m. | Northern California | Winter Storm | 160 | 241,000 | 1/01/04, 11:30 a.m. |

¹ = Estimated Values.

* Information as provided by the respondent. The occurrence is, however, associated with the massive blackout of August 14, 2003. For further information, refer to the *Interim Report: Causes of the August 14 Blackout in the United States and Canada, November 2003* at <http://www.energy.gov/engine/content.do>.

Note: North American Electric Reliability Council region acronyms are defined in the glossary.

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

Appendix C

Technical Notes

The Energy Information Administration (EIA) has comprehensively reviewed and revised how it collects, estimates, and reports fuel use for facilities producing electricity. Appendix B provides detail on these changes and describes the reasoning behind the changes and their effects on EIA forms and publications. Following is a description of the ongoing data quality efforts and sources of data for the *Electric Power Monthly*.

Data Quality

The *Electric Power Monthly (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 is 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 non-respondents 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 non-respondents 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. The annual series for a monthly sample is not subject to sampling error because it is a census.

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.

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.

Data Revision Procedure

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

1. Annual survey data collected by CNEAF are published either as preliminary or final when first appearing in a data report. Data initially released as preliminary will be so noted in the report. These data will be revised, if necessary, and declared final in the next publication of the data.
2. All monthly and quarterly survey data collected by this office are published as preliminary. These data are typically revised only after the completion of the 12-month cycle of the data. No revisions are made to the published data before this unless major errors are discovered that may affect the national total.
3. The magnitudes of changes due to revisions experienced in the past will be included in the data reports, so that the reader can assess the accuracy of the data.
4. After data are published as final, corrections will be made only in the event of a difference of one percent or greater at the national level. Corrections for differences that are less than the one percent or greater threshold are left to the discretion of the Office Director.

In accordance with policy statement number 3, above, the mean value (unweighted average) for the absolute values of the 12 monthly revisions of each item are provided at the U.S. level for the years 1995 through 1999 (Table C2). For example, the mean of the 12 monthly absolute errors (absolute differences between preliminary and final monthly data) for utility coal-fired generation in 1999 was 288. That is, on average, the absolute value of the change made each month to utility coal-fired generation was 288 million kilowatthours.

Data Sources For Electric Power Monthly

Data published in the *Electric Power Monthly (EPM)* 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-826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," Form EIA-860, "Annual Electric Generator Report," Form EIA-861, "Annual Electric Power Industry Report," Form EIA-906, "Power Plant Report, and Form EIA-920, "Combined Heat and Power Plant Report".

In addition to the above-named forms, the historical data published in the *EPM* are compiled from the following sources: Form EIA-759, "Monthly Power Plant Report," Form EIA-860A, "Annual Electric Generator Report–Utility," Form EIA-860B, "Annual Electric Generator Report–Nonutility," and Form EIA-900, "Monthly Nonutility Power Report." A brief description of each of these forms can be found on the EIA website on the Internet with the following URL:
<http://tonto.eia.doe.gov/FTP/ROOT/electricity/epatech.pdf>.

Rounding Rules for Data. Given a number with r digits to the left of the decimal and $d+t$ digits in the fraction part, with d being the place to which the number is to be rounded and t being the remaining digits which will be truncated, this number is rounded to $r+d$ digits by adding 5 to the $(r+d+1)$ th digit when the number is positive or by subtracting 5 when the number is negative. The t digits are then truncated at the $(r+d+1)$ th digit. 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-423

As of January 2002, the EIA began collecting data on the cost and quality of fuel associated with the production of electricity by unregulated generating plants. Similar to the Federal Energy Regulatory Commission (FERC) Form 423, the EIA-423 collects data from approximately 750

unregulated generating plants that have a fossil-fired generating nameplate capacity of 50 or more megawatts. The cutoff threshold sample includes independent power producers (including those facilities that formerly reported on the FERC Form 423), and commercial and industrial combined heat and power producers.

Formulas and Methodologies. Data for the Form EIA-423 are collected at the plant level. These data are then used in the following formulas to produce aggregates and averages for each fuel type at the State, Census division, and U.S. levels. 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, units for average heat content (A) are in million Btu per ton.

For petroleum, units for receipts are in barrels, units for average heat content (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf), average heat content (A) are in million Btu per thousand cubic foot.

For fuel receipts (R), the following holds true:

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

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 .

Confidentiality of the Data. Plant fuel cost data collected on the survey are considered confidential and will not be made available to the public. State and national level aggregations will be published in this report if sufficient data are available to avoid disclosure of individual company and plant level costs.

FERC Form 423

The FERC Form 423 is a monthly record of delivered-fuel purchases, submitted by approximately 200 respondents for each regulated electric generating plant with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

On July 7, 1972, the 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 from fossil-steam plants, but was amended in 1974 to include data on internal combustion and combustion turbines. When the FERC Form 423 replaced the FPC Form 423 in January 1983, peaking units were eliminated from the form and the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. Historical FPC Form 423 data in this publication were revised to reflect the new generator nameplate capacity threshold of 50 or more megawatts. 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.

Formulas and Methodologies. Data for the FERC Form 423 are collected at the plant level. These data are then used in the same formulas shown under the “Formulas and Methodologies” section for the Form EIA-423 to produce aggregates and averages for each fuel type at the State, Census division, and U.S. levels.

Confidentiality of the Data. Data collected on FERC Form 423 are not considered to be confidential.

Form EIA-826

The Form EIA-826 is a monthly collection of data from 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. A model is then applied to the collected data to estimate for the entire universe of U.S. electric utilities.

With this issue, EIA is publishing 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) 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. The respondents therefore, have classified themselves as outside the realm of the survey. 2) The Form EIA-826 is a cutoff sample and not intended to be a census. 3) Because this is the first year we are publishing Transportation data, EIA does not have the benefit of prior year data for estimation purposes.

EIA’s research has resulted in the collection of a significant amount of information about the missing data, which are related to what are believed to be three relatively small (0.88 percent of the national total) transit systems in Colorado, Missouri, and Louisiana. EIA will publish these data as soon as it becomes available.

Further, on the Form EIA-826, while the Part A (bundled service) + Part C (deliveries) data results for regional and national Transportation Sales are accurate, a comparison of data submitted on Part B (energy service providers) but not on Part C confirm additional missing data in New York, Massachusetts, Pennsylvania, and Washington, D.C. EIA has estimated sales in New York and Pennsylvania for the missing data. EIA is preparing estimates for the missing data in Massachusetts and the District of Columbia and will publish the results as soon as they become available.

Similarly, EIA has found issues with the revenue data as well:

- A. In Massachusetts, EIA has identified missing electricity sales under a third party wholesale contract.

- B. EIA has also identified a similar amount of electricity sales possibly missing from a third party wholesale contract for deliveries to and consumed by the regional mass transit system(s) in the greater Washington D.C. area.
- C. EIA is continuing efforts to collect other comparatively small amounts of missing data in Pennsylvania and Wisconsin.
- D. In New York, EIA has identified a possible understatement of revenue on significant volumes each month for transmission distribution services.

EIA will publish these data as soon as it becomes available.

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.^{1 2 3} (See previous issues of this publication for details.) 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

¹ Knaub, J.R., Jr. (1989), "Ratio Estimation and Approximate Optimum Stratification in Electric Power Surveys," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 848-853.

² Knaub, J.R., Jr. (1993), "Alternative to the Iterated Reweighted Least Squares Method: Apparent Heteroscedasticity and Linear Regression Model Sampling," Proceedings of the International Conference on Establishment Surveys, American Statistical Association, pp. 520-525.

³ Knaub, J.R., Jr. (1994), "Relative Standard Error for a Ratio of Variables at an Aggregate Level Under Model Sampling," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 310-312.

forming three schedules on the EIA-826 form. 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. 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.)

Data Processing and Data System Editing. The forms are mailed each year to the electric utilities with State-parts selected in the sample. The completed form is to be returned to the EIA by the last calendar day of the month following the reporting month. Nonrespondents are telephoned to obtain the data. Imputation, in model sampling, is an implicit part of the estimation. That is, data that are unavailable, either because respondents were not part of the sample or because of nonresponse, are estimated using a model. The data are edited and entered into the computer where additional checks are completed. After all forms have been received from the respondents, the final automated edit is submitted. Following verification, tables and text of the aggregated data are produced for inclusion in the *EPM*.

Formulas and Methodologies. The Form EIA-826 data are collected at the entity level by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA-861 data were used as the frame from which the sample was selected and also as regressor data. Updates have been made to the frame to reflect mergers that affect data processing.

Through the year 2002, both the Form EIA-826 and the Form EIA-861 had slightly different definitions of the industrial and commercial economic end-use sectors than in 2004 for the Form EIA-826 and 2003 for the Form EIA-861. Also, they did not have a sector just for transportation, but did have an economic end-use sector labeled "other." With the new definitions for the commercial and industrial sectors, and the newly defined 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 exists. 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.

The new transportation end-use sector will not likely be well-understood until after several years of the annual Form EIA-861 census data have been collected which include that sector. Only the first such census is currently being collected. Thus, we are not certain which respondents in the (Form EIA-861) universe will have transportation responses. The Department of Transportation's National Transportation Database (NTD) is available for several years, and gives us a point of comparison, but data for Amtrak are not included in the NTD, and that is a relatively large contribution to the transportation sector totals for sales and for revenue. Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector. Therefore, the quality of the information is still being evaluated.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census Division, and national level for the entire corresponding State, Census Division, or national category. State level sales and revenues estimates are calculated. A ratio estimation procedure (retail price of electricity) is used for estimation of average retail price of electricity at the State level. The estimates are accumulated separately to produce the Census Division and U.S. level estimates.⁴

Some electric utilities provide service in more than one State. Thus, the State-service area is actually 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 (formerly known as average revenue per kilowatthour) 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.^{4 5 6}

⁴ Knaub, J.R., Jr. (2000), "Using Prediction-Oriented Software for Survey Estimation - Part II: Ratios of Totals," *InterStat*, June 2000, <http://interstat.stat.vt.edu/InterStat/>. (Note shorter, more recent version in ASA Survey Research Methods Section proceedings, 2000.)

⁵ Knaub, J.R., Jr. (1999), "Using Prediction-Oriented Software for Survey Estimation," *InterStat*, August 1999, <http://interstat.stat.vt.edu/InterStat/>, partially covered in "Using Prediction-Oriented Software for Model-Based and Small Area Estimation," in ASA Survey Research Methods Section proceedings, 1999, and partially covered in "Using Prediction-Oriented Software for Estimation in the Presence of Nonresponse," presented at the International Conference on Survey Nonresponse, 1999.

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.

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. 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 (for example, retail price of electricity), or a single variable (for example, sales).

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.⁷ 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

⁶ Knaub, J.R., Jr. (2001), "Using Prediction-Oriented Software for Survey Estimation - Part III: Full-Scale Study of Variance and Bias," *InterStat*, June 2001, <http://interstat.stat.vt.edu/InterStat/>. (Note shorter, more recent version in ASA Survey Research Methods Section proceedings, 2001.)

⁷ Knaub, J.R., Jr. (2002), "Practical Methods for Electric Power Survey Data," *InterStat*, July 2002, <http://interstat.stat.vt.edu/InterStat/>.

collection, response, or coverage. These nonsampling errors also occur in complete censuses. In a complete census, this problem may become unmanageable. One indicator of the magnitude of possible nonsampling error may be gleaned by examining the history of revisions to data for a survey (Table C2).

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 sampling error is less than the corresponding RSE. Note that reported RSEs are always estimates, themselves, and are usually, as here, reported as percents. As an example, suppose that a revenue-per-kilowatthour value is estimated to be 5.13 cents per kilowatthour with an estimated RSE of 1.6 percent. This means that, ignoring any nonsampling error, there is approximately a 68-percent chance that the true average retail price of electricity is within approximately 1.6 percent of 5.13 cents per kilowatthour (that is, between 5.05 and 5.21 cents per kilowatthour). There is approximately a 95-percent chance of a true sampling error being 2 RSEs or less.

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 represents 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.

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.

Confidentiality of the Data. Most of the data collected on the Form EIA-826 are not considered confidential. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered confidential 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

Beginning with data collected for the year 2001, the Forms EIA-860A and EIA-860B are obsolete. The infrastructure data collected on those forms are now collected on the Form EIA-860 and the monthly and annual versions of the Form EIA-906.

The Form EIA-860 is a mandatory census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 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 unit level.

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 and was implemented to collect data as of January 1, 1999.

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

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. 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. Approximate 3,000 respondents are requested to provide data on the Form EIA-860 as of January 1 of the reporting year. Respondents have the option of filing Form EIA-860 directly with the EIA or through an agent, such as the respondent's regional electric reliability council. Data reported through the regional electric reliability councils

are submitted to the EIA electronically from the North American Electric Reliability Council (NERC).

Data for each respondent are preprinted. Respondents are instructed to verify all preprinted data and to supply missing data. Computer programs containing edit checks are run to identify errors. Respondents are telephoned to obtain correction or clarification of reported data and to obtain missing data, as a result of the editing process.

Confidentiality of the Data. Most of the data collected on the Form EIA-860 are not considered confidential. However, plant latitudes and longitudes and tested heat rate data are considered confidential 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-861

The Form EIA-861 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 6,000 respondents. About 3,300 are electric utilities, and the remainder are nontraditional entities such as independent power producers, power marketers, and the unregulated subsidiaries of electric utilities. The data collected are used to maintain and update the EIA's electric power industry participant frame database.

Instrument and Design History. The Form EIA-861 was implemented in January 1985 for collection of data as of year-end 1984. The Federal 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 mailed 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 performed 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 and the EIA-412, "Annual Electric Industry Financial Report." 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 publication 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.

Confidentiality of the Data. Data collected on the Form EIA-861 are not considered to be confidential.

Form EIA-906

As of January 2001, Form EIA-906 superseded Forms EIA-759 and 900. The Form EIA-906 collects monthly plant-level data on generation, fuel consumption, stocks, and fuel heat content from electric utilities and nonutilities, excluding combined heat and power plants, from a model-based sample of approximately 260 electric utilities and 371 nonutilities.

Instrument and Design History. In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. The Federal Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Relating to the Form EIA-759, 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 define 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 useful thermal output data.

In January 2004, collection of data for useful thermal output and combined heat and power plants were discontinued on Form EIA-906.

Data Processing and Data System Editing. In 2004 the Form EIA-906 data were generally received as electronic submissions that were directly entered into a computerized database. Anomalous data were identified via range checks, comparisons with historical data, and consistency checks (for example, whether the fuel consumption and generation numbers for a given facility and month are consistent). These edit checks were performed as the data were provided, and most problems that were encountered were resolved during the reporting process. Those plants that were unable to use the electronic reporting method provided the data in hard copy, typically via fax. These data were manually entered into the computerized database. The data were subjected to the same data edits as those data that were electronically submitted. Resolution of questionable responses was via telephone or email contact with the respondent.

The review of the Form EIA-906 filings for non-regulated facilities in 2001 uncovered widespread problems with the data reporting. The most prevalent problems were reported fuel consumption inconsistent with generation and, most significantly, incorrect reporting of useful thermal output (UTO) by combined heat and power (CHP) facilities. UTO is the thermal output from a CHP facility applied to a production process other than electricity generation. For information on how these data issues were resolved, see *EPM*, March 2004, page 107.

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. The RSE is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable. (See footnotes number 4, 5, and 6.)

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. (See footnote number 7.) 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 sampling error is less than the corresponding RSE. 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). There is approximately a 95-percent chance of a true sampling error being 2 RSEs or less.

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 represents 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.

Finalization of the Monthly Data and Annual Totals. The EIA-906 data is finalized once data has been collected from the annual respondents who are not part of the monthly sample. The data from annual responses that pass edit checks are proportioned to the months (by state, fuel and sector) using the ratio of the monthly data actually collected to the sum of that monthly data. In the case of annual facilities which are non-respondents, or whose data fails edit checks and have data problems that cannot be resolved, generation and consumption is imputed monthly. The sum of the revised monthly data are the final annual totals for each state, fuel and sector combination.

Average Heat Content. The average heat content values collected on the Form EIA-906 were used to convert the

consumption data into Btu. Therefore, the results may not be completely representative.

Confidentiality of the Data. Most of the data collected on the Form EIA-906 are not considered confidential. However, the reported fuel stocks at the end of the reporting period are considered confidential 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)).

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.

Form EIA-920

As of January 2004, combined heat and power plants that formerly reported on the Form EIA-906 began reporting on Form EIA-920. The Form EIA-920 is used to collect monthly plant-level data on generation, fuel consumption, stocks, and fuel heat content of combined heat and power plants (CHP) from a model-based sample of approximately 300 combined heat and power plants. The form is also used to collect these statistics from the rest of the frame on an annual basis.

Prior to January 2004, fuel use for the production of electricity was imputed from the total fuel consumption reported by the facilities. Form EIA-920 collects data on both the total fuel consumed for all purposes by the combined heat and power facilities, and, separately, the fuel used to generate electricity.

Instrument and Design History. 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 Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. Relating to the Form EIA-759, 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 define 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 further modified to include useful thermal output data. In January 2004, collection of useful thermal output data and data from combined heat and power plants was discontinued on Form EIA-906.

Data Processing and Data System Editing.

Approximately one half of the responses to the Form EIA-920 in 2004 were received as electronic submissions. These submissions were directly entered into a computerized database. Anomalous data were identified via range checks, comparisons with historical data, and consistency checks (for example, whether the fuel consumption and generation numbers for a given facility and month are consistent). These edit checks were performed as the data were provided, and most problems that were encountered were resolved during the reporting process. Those plants that were unable to use the electronic reporting medium provided 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. Resolution of questionable responses was done via telephone or email contact with the respondent.

Useful thermal output (UTO) is the thermal output from a CHP facility applied to a production process other than electricity generation. UTO was previously collected for combined heat and power plants on the Form EIA-906. However, UTO is no longer directly reported. The Form EIA-920 asks for total consumption (COT) and consumption for generation (COG) only by prime mover type (PMT) and energy source (ES). For monthly respondents who have provided their COT and COG values, UTO is derived conveniently from the difference $UTO=COT-COG$, all expressed in Btu's.

Whenever COG, UTO and COT are imputed, the following procedure is used:

$$COG_t = GEN_{i,t} * HTR_{(t-1)},$$

where $GEN_{i,t}$ is current imputed generation, and $HTR_{(t-1)}$ is previous year's heat rate.

$$UTO_t = GEN_{i,t} * (UTO_{(t-1)} / GEN_{(t-1)})$$

where current $GEN_{i,t}$ is imputed generation and is multiplied by previous year's steam-to-power ratio, where $UTO_{(t-1)}$ is the previous year's useful thermal output and $GEN_{(t-1)}$ is the previous year's generation.

$$COT_t = COG_t + UTO_t$$

EIA imputes a monthly value for generation and fuel consumption for all annual respondents.

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. The RSE is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable. (See footnotes number 4, 5, and 6.)

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. (See footnote number 7.) 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 sampling error is less than the corresponding RSE. 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). There is approximately a 95-percent chance of a true sampling error being 2 RSEs or less.

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 represents 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.

Finalization of the Monthly Data and Annual Totals. The EIA-920 data is finalized once data has been collected from the annual respondents who are not part of the

monthly sample. The data from annual responses that pass edit checks are proportioned to the months (by state, fuel and sector) using the ratio of the monthly data actually collected to the sum of that monthly data. In the case of annual facilities that are non-respondents, or whose data fails edit checks and have data problems that cannot be resolved, generation and consumption is imputed monthly. The sum of the revised monthly data are the final annual totals for each state, fuel and sector combination.

Average Heat Content. The average heat content values collected on the Form EIA-920 were used to convert the consumption data into Btu. Therefore, the results may not be completely representative.

Confidentiality of the Data. Most of the data collected on the Form EIA-920 are not considered confidential. However, the reported fuel stocks at the end of the reporting period are considered confidential 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)).

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.

Business Classification

The nonutility industry consists of all 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
- 115 Agricultural services
- 114 Fishing, hunting, and trapping
- 113 Forestry

Mining

- 2122 Metal mining
- 2121 Coal mining
- 211 Oil and gas extraction
- 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
321 Lumber and wood products, except furniture
337 Furniture and fixtures
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
32512 Industrial organic chemicals
325311 Nitrogenous fertilizers
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
326 Rubber and miscellaneous plastic products
316 Leather and leather 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
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

482 Railroad transportation
485 Local and suburban transit and interurban highway passenger transport
484 Motor freight transportation and warehousing
491 United States Postal Service
483 Water transportation
481 Transportation by air
486 Pipelines, except natural gas
487 Transportation services
513 Communications
22 Electric, gas, and sanitary services
2212 Natural gas transmission
2213 Water supply
22132 Sewerage systems
562212 Refuse systems
22131 Irrigation systems

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

721 Hotels
812 Personal services
514 Business services
8111 Automotive repair, services, and parking
811 Miscellaneous repair services
512 Motion pictures
713 Amusement and recreation services
622 Health services
541 Legal services
611 Education services
624 Social services
712 Museums, art galleries, and botanical and zoological gardens
813 Membership organizations
561 Engineering, accounting, research, management, and related services
814 Private households
514199 Miscellaneous services

92 Public Administration

Table C1. Average Heat Content of Fossil-Fuel Receipts, July 2004

| 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 | 24.04 | 6.33 | -- | 1.04 |
| Connecticut..... | 21.14 | 6.27 | -- | 1.01 |
| Maine..... | 26.17 | 6.41 | -- | 1.04 |
| Massachusetts..... | 24.08 | 6.28 | -- | 1.04 |
| New Hampshire..... | 25.77 | 6.41 | -- | 1.06 |
| Rhode Island..... | -- | -- | -- | 1.03 |
| Vermont..... | -- | -- | -- | -- |
| Middle Atlantic | 23.28 | 6.29 | 26.72 | 1.03 |
| New Jersey..... | 25.90 | 5.92 | -- | 1.03 |
| New York..... | 23.98 | 6.31 | 27.66 | 1.02 |
| Pennsylvania..... | 22.93 | 6.25 | 24.79 | 1.03 |
| East North Central | 20.21 | 6.20 | 27.72 | 1.03 |
| Illinois..... | 18.15 | 5.79 | -- | 1.02 |
| Indiana..... | 20.70 | 6.09 | 27.90 | 1.01 |
| Michigan..... | 20.11 | 6.28 | 27.59 | 1.03 |
| Ohio..... | 24.47 | 5.78 | -- | 1.04 |
| Wisconsin..... | 18.41 | 5.86 | 27.70 | 1.00 |
| West North Central | 16.65 | 6.48 | 28.73 | 1.01 |
| Iowa..... | 17.34 | 5.88 | -- | 1.00 |
| Kansas..... | 17.21 | 6.60 | -- | 1.00 |
| Minnesota..... | 17.83 | 5.84 | 28.73 | 1.01 |
| Missouri..... | 17.61 | 5.76 | -- | 1.01 |
| Nebraska..... | 17.22 | 5.80 | -- | 1.00 |
| North Dakota..... | 13.09 | 5.88 | -- | -- |
| South Dakota..... | 16.97 | -- | -- | -- |
| South Atlantic | 24.06 | 6.36 | 28.24 | 1.03 |
| Delaware..... | 24.96 | 6.04 | -- | 1.04 |
| District of Columbia..... | -- | 6.00 | -- | -- |
| Florida..... | 24.04 | 6.36 | 28.25 | 1.03 |
| Georgia..... | 22.31 | 6.11 | 28.23 | 1.03 |
| Maryland..... | 25.19 | 6.47 | -- | 1.04 |
| North Carolina..... | 24.68 | 6.05 | -- | 1.04 |
| South Carolina..... | 25.18 | 6.34 | -- | 1.03 |
| Virginia..... | 25.52 | 6.36 | -- | 1.03 |
| West Virginia..... | 23.99 | 5.83 | -- | 1.03 |
| East South Central | 21.97 | 6.53 | 27.81 | 1.03 |
| Alabama..... | 21.33 | 5.91 | -- | 1.03 |
| Kentucky..... | 23.01 | 5.88 | 27.81 | 1.02 |
| Mississippi..... | 18.11 | 6.58 | -- | 1.04 |
| Tennessee..... | 22.85 | 5.88 | -- | 1.03 |
| West South Central | 15.84 | 6.15 | 28.99 | 1.03 |
| Arkansas..... | 17.57 | 5.90 | -- | 1.03 |
| Louisiana..... | 16.53 | 6.19 | 29.41 | 1.03 |
| Oklahoma..... | 17.66 | -- | -- | 1.03 |
| Texas..... | 14.94 | 6.14 | 28.44 | 1.03 |
| Mountain | 19.60 | 5.78 | -- | 1.02 |
| Arizona..... | 20.49 | -- | -- | 1.02 |
| Colorado..... | 19.79 | -- | -- | 1.02 |
| Idaho..... | -- | -- | -- | 1.02 |
| Montana..... | 16.90 | 5.68 | -- | 1.15 |
| Nevada..... | 22.63 | -- | -- | 1.03 |
| New Mexico..... | 19.21 | 5.71 | -- | 1.01 |
| Utah..... | 21.80 | 5.87 | -- | 1.04 |
| Wyoming..... | 17.73 | 5.88 | -- | 1.06 |
| Pacific Contiguous | 17.89 | 4.99 | 28.41 | 1.03 |
| California..... | 25.04 | 4.39 | 28.41 | 1.03 |
| Oregon..... | 16.71 | 6.01 | -- | 1.02 |
| Washington..... | 16.34 | 5.70 | -- | 1.03 |
| Pacific Noncontiguous | 22.62 | 5.90 | -- | 1.00 |
| Alaska..... | -- | -- | -- | 1.00 |
| Hawaii..... | 22.62 | 5.90 | -- | -- |
| U.S. Total | 20.02 | 6.33 | 28.13 | 1.03 |

¹ Data represents weighted values. Lignite, bituminous coal, subbituminous coal, anthracite, waste coal and synthetic coal.

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

³ Natural gas, including a small amount of supplemental gaseous fuels.

Notes: • See Glossary for definitions. • Data for 2004 are preliminary.

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 Report."

Table C2. Comparison of Preliminary Versus Final Published Data at the U.S. Level, 1995 Through 1999

| Item | Mean Absolute Value of Change | | | | |
|---|-------------------------------|-------|-------|-------|--------|
| | 1995 | 1996 | 1997 | 1998 | 1999 |
| Nonutility | | | | | |
| Generation (million kilowatthours) | | | | | |
| Coal | NA | NA | NA | NA | 2,272 |
| Petroleum..... | NA | NA | NA | NA | 1,205 |
| Gas..... | NA | NA | NA | NA | 811 |
| Hydroelectric..... | NA | NA | NA | NA | 936 |
| Nuclear | NA | NA | NA | NA | 28 |
| Other ¹ | NA | NA | NA | NA | 504 |
| Total..... | NA | NA | NA | NA | 4,559 |
| Consumption | | | | | |
| Coal (thousand short tons)..... | NA | NA | NA | NA | 1,767 |
| Petroleum (thousand barrels) | NA | NA | NA | NA | 2,694 |
| Gas (million cubic feet)..... | NA | NA | NA | NA | 17,168 |
| Stocks¹ | | | | | |
| Coal (thousand short tons)..... | NA | NA | NA | NA | 316 |
| Petroleum (thousand barrels) | NA | NA | NA | NA | 40 |
| Utility | | | | | |
| Generation (million kilowatthours) | | | | | |
| Coal | 49 | 162 | 201 | 201 | 288 |
| Petroleum..... | 6 | 64 | 53 | 39 | 103 |
| Gas..... | 38 | 84 | 168 | 102 | 147 |
| Hydroelectric..... | 6 | 298 | 325 | 322 | 354 |
| Nuclear | 0 | 4 | 65 | 0 | 0 |
| Other..... | 0 | 0 | 0 | 0 | 0 |
| Total..... | 11 | 462 | 285 | 504 | 695 |
| Consumption | | | | | |
| Coal (thousand short tons)..... | 27 | 105 | 169 | 114 | 147 |
| Petroleum (thousand barrels) | 1 | 94 | 43 | 76 | 228 |
| Gas (million cubic feet)..... | 300 | 899 | 1,243 | 1,084 | 1,668 |
| Stocks¹ | | | | | |
| Coal (thousand short tons)..... | 310 | 233 | 501 | 229 | 118 |
| Petroleum (thousand barrels) | 239 | 201 | 130 | 98 | 165 |
| Retail Sales (million kilowatthours) | | | | | |
| Residential | 79 | 345 | 350 | 626 | 454 |
| Commercial | 780 | 476 | 1,265 | 175 | 2,233 |
| Industrial..... | 141 | 1,129 | 257 | 771 | 654 |
| Other ² | 167 | 267 | 363 | 33 | 553 |
| Total..... | 694 | 1,153 | 1,724 | 1,466 | 3,894 |
| Revenue (million dollars) | | | | | |
| Residential | 17 | 2 | 3 | 42 | 27 |
| Commercial | 51 | 29 | 60 | 17 | 214 |
| Industrial..... | 23 | 46 | 32 | 30 | 34 |
| Other ² | 5 | 1 | 31 | 2 | 3 |
| Total..... | 22 | 46 | 62 | 79 | 277 |
| Average Revenue per Kilowatthour (cents)³ | | | | | |
| Residential | .01 | .03 | .03 | .02 | .01 |
| Commercial | .01 | .01 | .05 | .01 | .06 |
| Industrial..... | .03 | .01 | .02 | .01 | .01 |
| Other ³ | .20 | .22 | .07 | .02 | .39 |
| Total..... | .01 | .01 | .02 | .01 | .03 |
| Receipts | | | | | |
| Coal (thousand short tons)..... | 34 | 61 | 71 | 84 | 148 |
| Petroleum (thousand barrels) | 2 | 77 | 28 | 20 | 89 |
| Gas (million cubic feet)..... | 227 | 566 | 122 | 365 | 157 |
| Cost (cents per million Btu)³ | | | | | |
| Coal | .10 | .06 | .16 | .23 | .22 |
| Petroleum..... | .01 | .01 | * | * | .01 |
| Gas..... | .15 | .87 | .68 | .35 | .09 |

¹ Stocks are end of month values.

² Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

³ Data represents weighted values.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NA = Not Available.

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. • Mean absolute value of change is the unweighted average of the absolute changes.

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

Table C3. Comparison of Sample Versus Census Published Data at the U.S. Level, 1998 and 1999

| Item | 1998 | | | 1999 | | |
|---|------------------|------------------|----------------------|------------------|------------------|----------------------|
| | Sample | Census | Difference (percent) | Sample | Census | Difference (percent) |
| Utility | | | | | | |
| Generation (million kilowatthours) | | | | | | |
| Coal | 1,808,070 | 1,807,480 | * | 1,773,499 | 1,767,679 | -0.3 |
| Petroleum..... | 105,743 | 105,440 | -0.3 | 85,737 | 82,981 | -3.3 |
| Gas..... | 308,858 | 309,222 | 0.1 | 297,346 | 296,381 | -0.3 |
| Other ¹ | 990,948 | 990,029 | -0.1 | 1,026,354 | 1,026,632 | * |
| Total..... | 3,213,620 | 3,212,171 | * | 3,182,936 | 3,173,674 | -0.3 |
| Consumption | | | | | | |
| Coal (1,000 short tons)..... | 912,060 | 910,867 | -0.1 | 896,616 | 894,120 | -0.3 |
| Petroleum (1,000 barrels)..... | 179,401 | 178,614 | -0.4 | 148,868 | 143,830 | -3.5 |
| Gas (1,000 Mcf)..... | 326,268 | 3,258,054 | -0.1 | 3,125,417 | 3,113,419 | -0.4 |
| Stocks² | | | | | | |
| Coal (1,000 short tons)..... | 121,384 | 120,501 | -0.7 | 128,929 | 129,041 | 0.1 |
| Petroleum (1,000 barrels)..... | 53,893 | 53,790 | -0.2 | 45,191 | 44,312 | -2.0 |
| Retail Sales (million kilowatthours) | | | | | | |
| Residential..... | 1,131,520 | 1,127,735 | -0.3 | 1,139,481 | 1,140,761 | 0.1 |
| Commercial..... | 950,476 | 968,528 | 1.9 | 975,196 | 970,601 | -0.5 |
| Industrial..... | 1,055,459 | 1,040,038 | -1.5 | 1,050,363 | 1,017,783 | -3.2 |
| Other ³ | 100,260 | 103,518 | 3.1 | 100,316 | 106,754 | 6.0 |
| All Sectors..... | 3,237,715 | 3,239,818 | 0.1 | 3,265,356 | 3,235,899 | -0.9 |
| Revenue (million dollars) | | | | | | |
| Residential..... | 93,511 | 93,164 | -0.4 | 93,148 | 93,142 | * |
| Commercial..... | 70,630 | 71,769 | 1.6 | 70,190 | 70,492 | 0.4 |
| Industrial..... | 47,391 | 46,550 | -1.8 | 46,442 | 45,056 | -3.1 |
| Other ³ | 6,814 | 6,863 | 0.7 | 6,763 | 6,783 | 0.3 |
| All Sectors..... | 218,346 | 218,346 | * | 216,544 | 215,473 | -0.5 |
| Average Revenue per Kilowatthour (cents)⁴ | | | | | | |
| Residential..... | 8.26 | 8.26 | * | 8.17 | 8.16 | -0.1 |
| Commercial..... | 7.43 | 7.41 | -0.3 | 7.20 | 7.26 | 0.8 |
| Industrial..... | 4.49 | 4.48 | -0.3 | 4.42 | 4.43 | 0.1 |
| Other ³ | 6.80 | 6.63 | -2.5 | 6.74 | 6.35 | -6.1 |
| All Sectors..... | 6.74 | 6.74 | -0.1 | 6.63 | 6.66 | 0.4 |

¹ Includes geothermal, wood, waste, wind, and solar.

² Stocks are end-of-month values.

³ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

⁴ Data represent weighted values.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute values is less than 0.05 percent.

NA = Not Available.

Notes: • The average revenue per kilowatthour is calculated by dividing revenue by sales. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before 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.

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.

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 elected 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) ECAR – East Central Area Reliability Coordination Agreement
- 2) ERCOT – Electric Reliability Council of Texas
- 3) FRCC – Florida Reliability Coordinating Council
- 4) MAIN – Mid-America Interconnected Network
- 5) MAAC – Mid-Atlantic Area Council
- 6) MAPP – Mid-Continent Area Power Pool
- 7) NPCC – Northeast Power Coordinating Council
- 8) SERC – Southeastern Electric Reliability Council
- 9) SPP – Southwest Power Pool
- 10) WECC – Western Electricity Coordinating Council

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 watt-hours (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.