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Cost and Quality of Fuels for Electric Utility Plants 1999 Tables

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The annual publication *Cost and Quality of Fuels for Electric Utility Plants (C&Q)* is no longer published by the EIA. The tables presented in this document are intended to replace that annual publication. Questions regarding the availability of these data should be directed to:

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Preface

Background

The *C&Q Tables* are prepared by the Electric Power Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy. These tables provide comprehensive information concerning the quality, quantity, and cost of fossil fuels used to produce electricity in the United States.

Coverage of Sources

The information contained in the tables is compiled from data reported on the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The FERC Form 423 is a monthly survey of a restricted census that collects data from steam-electric and combined-cycle plants with a total generator nameplate capacity of 50 or more megawatts (approximately 700 power plants operated by 230 electric utilities). Data on gas-turbines and internal combustion units are not collected on this survey, nor is their generating capacity used to determine the 50-megawatt threshold for reporting that was set by the FERC.

Fuel receipts reported on the FERC Form 423 include over 99 percent of coal and approximately 90 percent of petroleum and gas delivered to electric utilities. The percent of coverage is lower for petroleum and gas because the survey does not collect data on fuel received for use in gas-turbines or internal combustion units. Power plants that report on the FERC Form 423 represent approximately 90 percent of all electric utility fossil-fuel generating capacity in the United States. The geographic coverage of the survey includes the contiguous United States, Alaska, Hawaii, and the District of Columbia. Data on nonutility power plants are not collected on this survey.

Contents

Tables

Utility Fossil Fuel Receipts and Costs - The Year 1999 in Review

In 1999, final data show that electric utility plants received 908 million short tons of coal, 131 million barrels of petroleum products, and 2,809 billion cubic feet (Bcf) of gas at a total delivered cost of $32 billion.[1] Coal accounted for 83 percent of the total Btu content of fossil fuels delivered in 1999, while gas and petroleum accounted for 13 and 4 percent, respectively. The average delivered cost of fossil fuels was $1.44 per million Btu, the second lowest annual cost since 1978. (Due to electric restructuring, several generating plants operated by electric utilities were sold and reclassified as nonutility generating plants during 1998 and 1999. At the completion of the sale, these plants were no longer required to file receipt and cost data on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and generation, consumption, and stock data on the Energy Information Administration (EIA) Form 759, "Monthly Power Plant Report." Therefore, the 1999 databases for these two surveys include only partial reporting of monthly data for plants sold in 1999, and no data for plants sold during 1998. It is important to note that the sale of plants has affected year-to-year comparisons of data at the State, Census Division, and National level.)

Coal. Electric utility plants received 908 million short tons of coal in 1999, down from a record 929 million short tons received in 1998. This decrease was due to the sale of plants and their subsequent nonreporting status. However, from an operational standpoint, mild weather and record levels of nuclear generation limited any increase in use of coal by electric utilities. This in-turn affected coal deliveries to electric utilities.

During 1999 several coal-fired electric plants were sold and reclassified as nonutility plants. Data for these plants were reported on the FERC Form 423 survey until the sale was finalized. Most prevalent among the sales were plants owned by the Illinois Power Company, Metropolitan Edison Company, New York State Electric & Gas Company, Niagara Mohawk Power Company, Orange & Rockland Utilities, Pennsylvania Electric Company, and United Illuminating. In addition, eight coal-fired plants that were sold during 1998 were not required to report data in 1999. The eight plants were State Line (Commonwealth Edison Company of Indiana), Kincaid (Commonwealth Edison Company), Coleman, Green, Reid-Henderson, and Wilson (Big Rivers Electric Corporation), and Brayton Point and Salem Harbor (New England Power Company). Together, the sale of plants reduced 1999 and 1998 coal receipts by an estimated 23 million short tons and 6 million short tons, respectively.[2]

In 1999, coal-fired generation at electric utilities totaled 1,768 terawatthours[3] (TWh), down 2 percent from the record 1,807 TWh reported in 1998. Likewise, coal consumption totaled 894 million short tons, down from 911 million short tons in 1998. This decrease was due to the sale and reclassification of utility plants as nonutility plants which reduced electric utility consumption of coal in 1999 and 1998 by an estimated 23 million short tons and 6 million short tons, respectively. Mild weather and record levels of nuclear generation were factors that limited coal-fired generation and coal consumption during the year. On the other hand, very dry weather throughout most of the eastern half of the Nation reduced hydroelectric generation from 1998 levels and had a positive influence on consumption of coal. The electric generating industry as a whole (electric utilities, independent power producers, and cogeneration facilities), reported coal consumption of 965 million short tons, down from 968 million short tons in 1998.[4] Coal-fired generation totaled 1,885 TWh, up from 1,874 TWh reported in 1998. These industry level data eliminate the effect of the sale and reclassification of plants.

Record nuclear generation and mild weather were two important factors limiting the use of coal in 1999. Nuclear generation rose to a record 728 TWh,[5] 8 percent higher than the 674 TWh produced in 1998 and considerably above the previous record of 675 TWh generated in 1996. (Specific information con-

[1] Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." This survey includes data on steam-electric and combined cycle electric utility plants with a capacity of 50 or more megawatts. It does not include data on stand-alone gas turbines or reciprocating engines located at these plants. The data cover 99 percent of all coal and approximately 90 percent of the petroleum and gas delivered to electric utilities. The survey does not collect data on nonutility electric generating plants.

[2] The estimate for 1999 is based on consumption data reported on the Form EIA-900, "Monthly Nonutility Power Plant Report." The estimate for 1998 is based on the level of receipts reported on the FERC Form 423 in 1997.

[3] A terawatthour is equal to one billion kilowatthours.

[4] Coal consumption in 1998 includes some coal used to generate thermal output.

[5] Includes a full year of generation from the Clinton, Pilgrim, and Three Mile Island nuclear plants, each of which were sold and reclassified as nonutility plants during 1999.

cerning nuclear generation is provided in more detail later in this review.) As for weather conditions, 1999 was the second warmest year of the century, exceeded only by 1998.[6] November, February, December, and January had the 1st, 3rd, 11th, and 13th warmest monthly mean temperature for such months on record since 1895.[7] The above normal temperatures during these particular months reduced demand for electricity, and in-turn, limited any growth in coal-fired generation. The summer of 1999 (June through August) was the 37th warmest on record as compared to the 9th warmest summer of 1998. Record warmth during mid summer produced utility cutbacks and rolling blackouts throughout the New England and Middle Atlantic Census divisions.[8] Further to the west, American Electric Power (AEP) set peak records in July due to extreme temperatures throughout its service territory.[9] While above normal summer temperatures were a positive for coal-fired generation, above normal temperatures during the autumn and winter months reduced heating loads and was therefore a limiting factor.

Continuing the downward trend of the past 13 years, the average delivered cost of coal decreased to $1.22 per million Btu, down from the $1.25 per million Btu in 1998.[10] Contributing to this lower average cost were the continuing expiration, renegotiation, and buyouts of older, high-priced contracts; improved efficiency in coal production and transportation; increased use of low-cost western coal; and, to some extent, excess production capacity. It is important to note that the sale of plants also may have played an important role in the decrease in the average delivered cost of coal. Several electric utilities no longer report coal receipt data that when aggregated at the utility level, had average costs that were considerably above the national average. These include New England Power Company, New York State Electric & Gas Company, Niagara Mohawk Power Company, Orange & Rockland Utilities, and United Illuminating. Similarly, electric utilities that no longer report coal costs that were in prior years considerably below the national average include Big Rivers Electric Corporation, Illinois Power Company, and Pennsylvania Electric Company. In total, the average delivered cost of coal for plants eliminated from the FERC Form 423 survey was above the national average delivered cost of coal. Therefore, the elimination of these plants tended to reduce the 1999 national average.

The average cost of coal delivered under contract was $1.23 per million Btu, down from $1.27 per million Btu in 1998. Coal purchased on the spot-market (contracts of less than one year duration) decreased to $1.16 per million Btu, down from the $1.20 per million Btu in 1998.

The average sulfur content (measured as percent sulfur by weight) of coal delivered was 1.01 percent, down from 1.06 in 1998. The average Btu content of coal was 10,174 per pound, down from 10,241 per pound in 1998. Over the past several years, the average sulfur and Btu content of coal have been trending downward as electric utilities increased their use of low-sulfur, low-Btu western coal from the Powder River Basin (PRB) of Montana and Wyoming. Since the majority of coal delivered to plants that were sold and eliminated from the database used higher Btu bituminous coal, this also tended to reduce the average Btu content.

Receipts of coal from the PRB totaled 343 million short tons versus 301 million short tons in 1998. The Western province (Arizona, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming) was the origin for a record 444 million short tons, up from 430 million short tons in 1998. (The sale of plants did not have a substantial effect on reported receipts of Western province coal. The majority of coal-fired electric plants that have been sold consumed Appalachian and Interior region bituminous coal. Kincaid and State Line, western-coal burning plants owned by Commonwealth Edison Company, were sold in January 1998, thus minimizing the effect on year-to-year (1999 versus 1998) comparisons. (The sale in late December 1999 of plants operated by the Commonwealth Edison Company and Montana Power Company will have a substantial effect on Western province data reported in the year 2000.) Receipts of coal from Wyoming totaled 321 million short tons, up 17 million short tons or 5 percent from 1998. Receipts of coal from Montana totaled 36 million short tons, down 4 million short tons from 1998. Receipts of coal from the Appalachian region totaled 290 million short tons versus 318 million in 1998. Receipts of coal (excluding lignite) from the Interior region (Illinois, Indiana, Iowa, Kansas, western Kentucky, Missouri, Oklahoma, and Texas) totaled 93 million short tons, down from 99 million in 1998. Receipts of lignite from Louisiana, Montana, North Dakota, and Texas totaled 77 million short tons, nearly unchanged from 1998. Wyoming ranked highest among coal producing States with 321 million short tons of coal delivered to electric utilities. Kentucky and West Virginia were ranked second and third with 108 million short tons and 104 million short tons, respectively. Pennsylvania, West Virginia, Kentucky, and Illinois were the primary origin States for coal supplied to many of the plants that were sold and reclassified during 1998 and 1999.

Imports of coal totaled 5 million short tons, down from 6 million short tons in 1998. The origin for most imported coal was Colombia and Venezuela. Electric utilities receiving a minimum of 500,000 short tons of

[6] National Oceanic and Atmospheric Administration, National Climatic Data Center, extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1999/ann/us_national

[7] Ibid.

[8] "Rolling Blackouts Hit Northeast Grid as Heat Forces Utilities to Shed Load," The Energy Report, Vol. 27, No. 28 (July 12, 1999).

[9] American Electric Power, extracted from the Internet at http://www.aep.com on April 13, 2000.

[10] The delivered cost of fossil fuels includes all costs (i.e., transportation, taxes, etc.) incurred by the electric utility for delivery of the fuel to the plant. It does not include unloading charges.

imported coal include Central Hudson Gas & Electric Company, Jacksonville Electric Authority, Mississippi Power Company, Public Service Company of New Hampshire, and Tampa Electric Company.

Petroleum. Receipts of petroleum at electric utilities totaled 131 million barrels, down from 165 million barrels received in 1998. This decrease was due primarily to the sale and reclassification of utility plants as nonutility plants and, to a lesser extent, a large increase in nuclear generation and competition from natural gas. During 1999, several large oil-fired plants located in the New England and Middle Atlantic Census divisions were sold and removed from the FERC Form 423 survey. Included among these plants were Mason and Wyman (Central Maine Power Company), Bridgeport Harbor and New Haven Harbor (United Illuminating Company), Bowline (Orange & Rockland Utilities), Oswego (Niagara Mohawk Power Company), and Devon, Montville, Norwalk Harbor, and Middletown (sold by Connecticut Light and Power Company on December 15, 1999). In addition, several oil-fired plants were sold during 1998 and were not required to report data in 1999. These include Mystic (Boston Edison Company), Brayton Point and Salem Harbor (New England Power Company), and the Canal and Kendall Square plants (Commonwealth Energy System). It is estimated that the sale of plants reduced total petroleum receipt in 1999 by approximately 25 million barrels[11] while 1998 petroleum receipts were reduced by approximately 6 million barrels.

Receipts of petroleum to the New England Census division totaled 14 million barrels, down approximately 22 million barrels from the 36 million barrels reported in 1998. Receipts to the Middle Atlantic Census division totaled 26 million barrels, down from 32 million barrels in 1998. The sale and reclassification of plants was the primary reason for the substantial decrease in petroleum receipts to the New England Census division and a smaller decrease in receipts of petroleum to the Middle Atlantic Census division. A substantial increase in nuclear generation in both Census divisions during 1999 may also have contributed to a decrease in petroleum receipts in both Census divisions. The sale and reclassification of electric plants had little effect on petroleum receipts in other Census divisions.

Receipts of petroleum to the South Atlantic Census division totaled 69 million barrels, down from 75 million barrels reported in 1998. Electric utilities in Florida received 54 million barrels, down from 60 million barrels reported in 1998. Mild weather (as compared to the record heat recorded in 1998) as well as competition from natural gas, reduced demand for petroleum-fired generation. The sale of the Orlando Utilities Commission's Indian River plant in September 1999 reduced receipts by less than 500,000 barrels. With 19 percent of the U.S. petroleum-fired generating capacity located in Florida,[12] deliveries of fuel oil for electric generation were the highest of any State.

Petroleum coke receipts at electric utilities totaled 3 million short tons, down 9 percent from 1998. The decrease was due to lower receipts at the Jacksonville Electric Authority (JEA). Receipts to the Pennsylvania Power Company totaled 650 thousand short tons, the highest amount for any utility. JEA, Northern Indiana Public Service Company, Northern States Power Company, and Seminole Electric Cooperative also received significant quantities of the fuel. Petroleum coke is gaining more acceptance at electric utilities due to its high Btu content and low-cost per million Btu. The average delivered cost of petroleum coke was $0.65 per million Btu, compared to $0.71 in 1998. A negative factor associated with this fuel is its high sulfur content which ranges between 4 and 6 percent. Petroleum coke is often blended with a higher percentage of lower sulfur coal before being consumed. It is also consumed in units that have flue gas desulfurization (FGD) systems that reduce sulfur dioxide emissions.

The average cost of petroleum delivered to electric utilities was $2.53 per million Btu compared with $2.14 per million Btu in 1998. Petroleum prices began to recover early in the year as a worldwide oversupply of crude oil that was prevalent during 1998 began to subside in early 1999, allowing petroleum prices to rise. In February 1999, the average cost of petroleum delivered to electric utilities fell to $1.72 per million Btu, its lowest monthly level since January 1974.[13] However, each successive month through the end of the year showed a higher average delivered price for petroleum. By December 1999, the average cost of petroleum delivered to electric utilities had increased to $3.54 per million Btu or $22.35 per barrel.

The average cost of Number 2 fuel oil was $4.03 per million Btu, up from $3.30 per million Btu reported in 1998. This fuel is used primarily for start-up and flame stabilization at steam-electric plants. The average cost of heavy fuel oil (Number 4, 5, and 6 fuel oil) was $2.44 per million Btu, compared to $2.08 per million Btu in 1998. The months of January through June show the national average cost of heavy oil lower than the national average cost of natural gas. However, natural gas was the less expensive of the two fuels from July through the end of the year. This is important when considering the capability of many electric plants to burn the least expensive of the two fuels.

Gas. Receipts of gas to electric utilities totaled 2,809 billion cubic feet (Bcf), down from 2,923 Bcf reported in 1998. The sale of several electric plants and their reclassification to nonutility status had a

[11] Based on consumption data reported for these plants on Form EIA-900, "Monthly Nonutility Power Plant Report."

[12] Energy Information Administration, Inventory of Electric Utility Power Plants in the United States, DOE/EIA-0095(99) (November 1999, Washington DC), Table 17, and Energy Information Administration, Inventory of Nonutility Electric Power Plants in the United States, DOE/EIA-0095(98)/2 (December 1999, Washington DC), Table 6.

[13] Energy Information Administration, Historical Monthly Energy Review (HMER), DOE/EIA-0035(73-92) (August 1994, Washington, DC), Table 9.10.

substantial effect on receipts of gas reported for the New England, Middle Atlantic, and Pacific Contiguous Census divisions. Based on consumption data reported on Form EIA-900, the sale and reclassification of plants reduced receipts of gas on the FERC Form 423 by an estimated 370 Bcf . Receipts of gas to California were reduced by an estimated 285 Bcf as most of the gas-fired plants owned by Pacific Gas & Electric Company, San Diego Gas & Electric Company, and Southern California Edison Company were sold during 1998 and 1999. The sale of several gas-fired plants previously owned by the Boston Edison Company, Central Maine Power Company, Commonwealth Energy System, Consolidated Edison Company, Jersey Central Power & Light Company, New England Power Company, Niagara Mohawk Power Company, and Orange & Rockland Utilities reduced gas receipts in both the New England and Middle Atlantic Census divisions.

Hydro and Nuclear Generation Effects on Fossil-Fuel Requirements.

Since hydroelectric generation is the lowest cost power to generate, it can displace the use of fossil-fuels by electric utilities. In 1999, hydroelectric generation totaled 294 TWh, down 3 percent from 304 TWh generated in 1998. Factors that affected hydroelectric generation included the sale and reclassification of plants, record amounts of snowfall in the Pacific Northwest, and below normal precipitation throughout most of the eastern half of the Nation.

The sale and reclassification of several hydroelectric plants during the year reduced utility hydroelectric generation by approximately 1 percent (3 TWh) from 1998 levels. Most of the facilities that were sold were located in Massachusetts, Maine, Montana, New York, and Pennsylvania. The largest transaction involved 74 hydroelectric facilities (660 megawatts of capacity) owned by Niagara Mohawk Power Company that were sold to Orion Power on July 29, 1999. Central Maine Power Company sold its interest in 28 hydroelectric facilities (373 megawatts) to FPL Group on April 7, 1999. The sale and reclassification of hydroelectric plants owned by Montana Power Company (521 megawatts) occurred on December 17th, 1999, too late in the year to have an effect on the 1999 data. In 1998, the New England Power Company sold 481 megawatts of conventional hydroelectric capacity and the 600 MW Bear Swamp pumped storage facility to U.S. Generating Company. By the end of 1999, a total of 2 gigawatts out of 73 gigawatts of utility-owned conventional hydroelectric capacity had been sold and reclassified as nonutility capacity.

Below normal levels of precipitation throughout most of the eastern half of the Nation also contributed to the 3 percent decline in hydroelectric generation from 1998 levels. According to the National Oceanic and Atmospheric Administration (NOAA), the Nation recorded its 22nd driest year out of the last 100 years, compared to the fifth wettest in 1998.[14] Well-below normal levels of precipitation were reported in the NOAA Central region (Illinois, Indiana, Kentucky, Missouri, Ohio, Tennessee, and West Virginia), the Southeast region, and the South.[15] Georgia recorded their sixth driest year on record, while Kentucky, West Virginia, and Tennessee posted their 10th, 12th, and 20th driest, respectively.[16] Alabama, Georgia, North Carolina, South Carolina, and Tennessee all reported substantial declines in hydroelectric generation. In the South Atlantic and East South Central Census divisions, hydroelectric generation fell by 49 and 26 percent, respectively. An extreme drought in the New England and Middle Atlantic Census divisions during the summer reduced hydroelectric generation and caused cooling water problems for some steam-electric plants.[17] The Northeast region (the NOAA region that includes the states of Delaware, Maryland, and Pennsylvania northeastward toward Maine) recorded its driest April through August period of this century.[18]

In the Pacific Northwest, where most of the Nation's hydroelectric generation is produced, above normal levels of snowfall and high streamflow at the start of the year contributed to an increase in hydroelectric generation in the Pacific Contiguous Census division. Oregon and Washington posted increases of 14 and 21 percent, respectively. However, a 20-percent decrease in hydroelectric generation in California offset some of the gains reported to the north. For the year, hydroelectric generation in the Pacific Contiguous Census division totaled 180 TWh, up 8 percent from 168 TWh reported in 1998. Heavy snowfall in the Cascade Range of both Oregon and Washington resulted in an above normal snowpack in both States. As of April 1, 1999, the snowpack in the Columbia Basin was at 133 percent of normal as compared to only 83 percent in 1998.[19] By May 1, 1999, the North Cascades of Washington broke a 1955 record with a snowpack of 207 percent of normal.[20] The 1,140 inches of snow at Mt. Baker in Washington was the greatest seasonal (November to May) snowfall recorded in the United States.[21] This contributed to near record hydroelectric generation for both States. (The snowpack and subsequent melting are very important to help maintain streamflow and reservoir levels into the summer months). It is also important to note that streamflow

[14] National Oceanic and Atmospheric Administration, National Climatic Data Center; extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1999/ann/us_regional

[15] Ibid.

[16] Ibid.

[17] T. Morgan, "Falling River Flow Causes Power Problem in Rhode Island," The Providence Journal-Bulletin (August 9, 1999).

[18] National Oceanic and Atmospheric Administration, National Climatic Data Center, extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1999/sum/us_drought. html on April 12, 2000.

[19] United States Department of Agriculture, Natural Resource Conservation Service; National Water and Climate Center; extracted from the Internet at ftp://162.79.124.23/support/snow/snowpack_charts/columbia_river/ wy1999/colu9904.html on April 3, 2000.

[20] United States Department of Agriculture, Natural Resource Conservation Service; National Water and Climate Center; extracted from the Internet at ftp://162.79.124.23/support/snow/snowpack_charts/columbia_river/w y1999/colu9905.html on April 3, 2000.

[21] U.S. Department of Agriculture, Weekly Weather and Crop Bulletin, Vol. 87, No. 3 (January 19, 2000), p. 11.

throughout the Columbia River Basin was significantly higher on January 1, 1999, than it was on January 1, 1998.[22] The second wettest November through February on record for the Northwest Region[23] contributed greatly to January and February 1999 hydroelectric generation being well above prior year levels.

Although hydroelectric generation in both Oregon and Washington increased from 1998 levels, it did so despite the fact that on an annual basis, both states received less precipitation during 1999. The Northwest Region, the NOAA region that includes Idaho, Oregon, and Washington, actually had its 46th wettest year on record in 1999, as compared with its 6th wettest in 1998.[24] However, the seasonal distribution and variation of precipitation, coupled with above normal levels of snowpack in the Pacific Northwest at the start of the year, was more favorable for hydroelectric generation in 1999.

California reported a substantial decrease in hydroelectric generation due to a considerable decrease in precipitation from 1998 levels. The West Region, the NOAA region that includes California and Nevada, actually had its 21st driest year out of the last 105 as compared to the second wettest year on record in 1998.[25] This contributed to the southern portion of the Sierra Nevada mountains having a snowpack that was less than 70 percent of normal as compared to above 130 percent of normal in 1998.[26] (Here again, the snowpack and subsequent melting are very important to help maintain streamflow and reservoir levels into the summer months).

Nuclear generation was also an important factor affecting fossil-fuel use by electric utilities. In 1999, nuclear generation totaled a record 728 TWh,[27] 8 percent higher than the 674 TWh produced in 1998 and considerably above the previous record of 675 TWh generated in 1996. The annual capacity factor[28] for nuclear plants was 86 percent compared with 78 percent in 1998.[29] This was the highest annual capacity factor for nuclear plants since data collection began in 1973.[30] The August and December 1999 capacity factors were an impressive 94 percent. This has major implications on the fossil-fuel requirements of electric utilities due to the fact that like hydroelectric, nuclear generation also displaces fossil-fired generation. (Based on national level consumption and generation data presented in the Electric Power Monthly, and assuming a net summer nuclear capability of 97,155 megawatts, a 1-percent increase in the annual nuclear plant capacity factor (equivalent to 8,510,778 megawatthours[31] of additional nuclear generation) translates into a reduction in annual consumption of either approximately 4.3 million short tons of coal,[32] 14 million barrels of petroleum, or 89 billion cubic feet of gas. Most likely, it would be a combination of each.)

To realize why nuclear generation often displaces fossil-fired generation, one only has to compare the cost of fuel per unit of electricity produced to see the competitiveness of nuclear power. In 1998, the average cost of uranium for major investor-owned electric utility nuclear plants was 0.54 cents per kilowatthour, while the comparable cost of fuel for fossil-fired steam plants was 1.60 cents per kilowatthour.[33] An additional incentive for producing nuclear generation instead of fossil-fired generation is a reduction in emissions of carbon dioxide, sulfur dioxide, and nitrogen oxides. The passage of Title IV of the Clean Air Act Amendments of 1990 set limits on the amount of sulfur dioxide and nitrogen oxides that can be emitted by electric utilities. Since nuclear plants emit neither of these gases, they have become especially important in strategies designed to ensure that a utility is in compliance with air quality emission regulations. Perhaps even more important is the fact that unlike fossil-fired plants, nuclear plants emit no carbon dioxide. The buildup of this gas in the atmosphere is said by many to affect global climate.

All Census divisions except the West South Central and the Pacific Contiguous Census division reported year-to-year increases in nuclear generation. The East North Central Census division reported nuclear generation of 124 TWh, up 32 percent from 1998. Most of the increase occurred in Illinois as nuclear generation

[22] United States Department of Agriculture, Natural Resource Conservation Service; National Water and Climate Center; extracted from the Internet at ftp://162.79.124.23/support/water/forecast_maps/columbia_river/wy 1998/cust9801.gif and ftp://162.79.124.23/support/water/forecast_maps/columbia_river/wy 1999/cust9901.gif on April 3, 2000.

[23] National Oceanic and Atmospheric Administration, National Climatic Data Center, extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1999/sum/us_drought. html on April 12, 2000.

[24] National Oceanic and Atmospheric Administration, National Climatic Data Center, extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1999/ann/us_regional

[25] Ibid.

[26] United States Department of Agriculture, Natural Resource Conservation Service; National Water and Climate Center; extracted from the Internet at http://www.wcc.nrcs.usda.gov/water/snow/westsnow.pl on April 3, 2000.

[27] Includes a full year of generation from the Clinton, Pilgrim, and Three Mile Island nuclear plants, each of which were sold and reclassified as nonutility plants during 1999.

[28] Capacity factor is the ratio of the amount of electricity produced by a generating plant for a given period of time to the electricity that the plant could have produced at continuous full-power operation during the same period.

[29] The annual capacity factor of 86 percent is based on all electric utility and nonutility nuclear plants.

[30] Energy Information Administration, Monthly Energy Review March 1999, DOE/EIA-0035(99/03) (Washington, DC), Table 8.1.

[31] This number is derived by multiplying 97,155 megawatts of summer capability by 8,760 hours (number of hours in a year). The result is then multiplied by 0.01 (1 percent). A one percent change equals 8,510,778 MWh.

[32] This calculation is based on a simple ratio of 1999 national level data. If the consumption of 894 million short tons of coal (Electric Power Monthly May 2000, Table 14) produces 1,767,679,000 MWh of generation (Table 4), then it would take 4.3 million short tons of coal to produce 8,510,778 MWh of generation.

[33] Energy Information Administration, Electric Power Annual 1998 Volume II, DOE/EIA-0348(98)/2 (December 1999, Washington, DC), Table 13.

in the State rose by 26 TWh to 81 TWh. Illinois replaced Pennsylvania as the Nations top producer of nuclear generation. The Commonwealth Edison Company (ComEd) reported record output from nuclear plants totaling 76 TWh, which broke their previous record of 72 TWh set in 1993. This was accomplished despite having two fewer nuclear units (Zion units 1 and 2 were retired in 1998). Lasalle and Quad Cities (both ComEd plants) and Clinton (Illinois Power Company) each reported much higher levels of nuclear generation.

The Middle Atlantic Census division reported total nuclear generation of 137 TWh, up from 120 TWh in 1998. Most of the increase was due to higher levels of output from plants located in New York and Pennsylvania. Individual plants reporting much higher levels of nuclear generation include Indian Point (Consolidated Edison Company of New York) and Beaver Valley (Duquesne Light Company). In the New England Census division, nuclear generation was up substantially due to a large increase in output from the Millstone plant (located in Connecticut and operated by the Northeast Nuclear Energy Company).

As usual, the South Atlantic Census division reported the highest level of nuclear generation at 193 TWh, up from 191 TWh reported in 1998. South Carolina was the largest producer in the Census division with 51 TWh. North Carolina and Florida ranked second and third with 38 TWh and 32 TWh, respectively.

Table ES3. Average Quality of Coal by State of Origin, 1998-1999

State of Origin	Btu (per pound)		Sulfur (percent by weight)		Sulfur (pounds per MM Btu)		Ash (percent by weight)	
	1999	1998	1999	1998	1999	1998	1999	1998
Alabama	12,145	12,348	1.04	1.11	0.86	0.90	12.65	12.15
Arizona	10,955	10,948	.51	.53	.47	.48	9.57	9.64
Colorado	11,035	10,994	.46	.46	.42	.42	8.54	8.55
Illinois	11,493	11,345	2.13	2.23	1.86	1.96	8.56	8.89
Indiana	11,112	11,043	2.33	2.30	2.10	2.09	9.16	9.31
Kansas	10,949	10,931	4.05	4.08	3.70	3.73	19.57	19.33
Kentucky	12,325	12,214	1.56	1.56	1.26	1.28	10.50	10.46
Louisiana	6,963	6,764	.92	.89	1.32	1.32	12.49	14.25
Maryland	12,308	12,350	1.85	1.66	1.50	1.35	15.37	14.54
Missouri	10,996	11,105	3.52	3.23	3.20	2.90	15.63	14.98
Montana	9,004	9,016	.53	.53	.59	.59	6.84	6.74
New Mexico	9,397	9,351	.70	.70	.75	.75	19.83	19.80
North Dakota	6,547	6,562	.75	.76	1.15	1.16	9.39	9.11
Ohio	11,818	11,752	3.50	3.54	2.96	3.01	10.74	10.93
Oklahoma	12,694	12,664	3.67	3.50	2.89	2.76	10.23	10.48
Pennsylvania	12,812	12,612	1.86	1.81	1.45	1.43	9.74	11.04
Tennessee	12,503	12,433	1.19	1.29	.95	1.04	10.83	10.53
Texas	6,347	6,405	.97	1.04	1.53	1.63	16.66	16.09
Utah	11,765	11,520	.47	.47	.40	.40	9.53	10.59
Virginia	12,875	12,865	1.00	.99	.78	.77	9.73	9.73
Washington	7,803	7,849	.90	.67	1.16	.85	15.05	14.69
West Virginia	12,375	12,351	1.47	1.52	1.19	1.23	11.41	11.50
Wyoming	8,658	8,667	.33	.34	.38	.39	5.33	5.26
Subtotal	**10,165**	**10,230**	**1.01**	**1.07**	**.99**	**1.04**	**9.03**	**9.21**
Imported	11,906	11,967	.57	.61	.48	.51	5.57	5.67
Total	**10,174**	**10,241**	**1.01**	**1.06**	**.99**	**1.04**	**9.01**	**9.18**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.

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

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Table ES4. Receipts of Coal by Rank, 1995-1999

Rank	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per Million Btu)	(dollars per short ton)
1999							
Anthracite[1]	137	7,509	0.64	0.86	37.8	52.6	7.91
Bituminous	444,399	12,087	1.57	1.30	10.2	131.5	31.78
Subbituminous	386,271	8,724	.38	.43	6.6	110.4	19.26
Lignite	77,425	6,434	.90	1.39	14.2	92.8	11.94
Total	**908,232**	**10,174**	**1.01**	**.99**	**9.01**	**121.7**	**24.76**
1998							
Anthracite[1]	511	7,479	.55	.74	37.6	90.1	13.47
Bituminous	478,252	12,033	1.61	1.34	10.5	134.6	32.38
Subbituminous	373,496	8,728	.38	.44	6.6	113.3	19.79
Lignite	77,189	6,471	.95	1.46	13.8	94.3	12.20
Total	**929,448**	**10,241**	**1.06**	**1.04**	**9.18**	**125.2**	**25.64**
1997							
Anthracite[1]	751	7,511	.53	.71	36.7	102.5	15.39
Bituminous	466,104	12,017	1.65	1.38	10.5	135.0	32.45
Subbituminous	336,805	8,737	.40	.45	6.7	118.5	20.71
Lignite	76,928	6,478	.98	1.51	13.8	92.6	12.00
Total	**880,588**	**10,275**	**1.11**	**1.08**	**9.36**	**127.3**	**26.16**
1996							
Anthracite[1]	735	7,180	.52	.73	37.7	110.0	15.79
Bituminous	454,814	12,027	1.64	1.37	10.3	136.6	32.86
Subbituminous	328,874	8,724	.39	.45	6.6	120.4	21.02
Lignite	78,278	6,503	.92	1.41	13.6	93.6	12.17
Total	**862,701**	**10,263**	**1.10**	**1.07**	**9.22**	**128.9**	**26.45**
1995							
Anthracite[1]	857	7,286	.53	.72	37.4	101.2	14.74
Bituminous	432,586	12,063	1.60	1.33	10.2	140.3	33.85
Subbituminous	316,195	8,710	.39	.45	6.7	122.3	21.31
Lignite	77,222	6,407	.99	1.54	14.0	94.9	12.16
Total	**826,860**	**10,248**	**1.08**	**1.05**	**9.23**	**131.8**	**27.01**

[1] Anthracite includes anthracite silt and culm delivered from off-site storage.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Fossil-Fuel Data at the Census Division and State Level

Table 1. Receipts of Coal by Census Division and State, 1995-1999

(Thousand Short Tons)

Census Division and State	1999	1998	1997	1996	1995
New England	**1,764**	**5,538**	**7,125**	**6,947**	**6,072**
Connecticut	35	657	952	931	841
Maine	—	—	—	—	—
Massachusetts	394	3,473	4,545	4,693	3,859
New Hampshire	1,335	1,408	1,628	1,324	1,372
Rhode Island	—	—	—	—	—
Vermont	—	—	—	—	—
Middle Atlantic	**40,575**	**55,557**	**54,185**	**51,066**	**48,188**
New Jersey	2,597	2,312	2,087	2,412	2,160
New York	4,047	9,296	8,277	7,896	7,575
Pennsylvania	33,932	43,948	43,821	40,759	38,453
East North Central	**201,873**	**208,745**	**202,401**	**194,371**	**184,018**
Illinois	36,241	39,867	40,750	37,441	33,905
Indiana	56,933	57,091	53,353	51,680	49,676
Michigan	33,281	34,906	32,145	30,177	31,214
Ohio	51,568	53,442	52,743	52,268	47,768
Wisconsin	23,850	23,438	23,410	22,804	21,456
West North Central	**133,751**	**134,443**	**120,150**	**121,696**	**117,821**
Iowa	21,474	21,657	16,675	18,116	18,095
Kansas	19,553	18,445	16,672	17,950	17,812
Minnesota	16,559	17,915	17,591	16,744	16,862
Missouri	37,486	38,589	33,553	33,718	30,819
Nebraska	11,970	11,940	10,638	10,275	10,063
North Dakota	24,650	24,199	23,087	23,586	22,294
South Dakota	2,059	1,699	1,934	1,307	1,877
South Atlantic	**159,284**	**159,850**	**149,311**	**146,322**	**132,902**
Delaware	1,204	1,744	1,682	1,745	1,720
District of Columbia	—	—	—	—	—
Florida	25,477	27,904	27,595	26,700	24,202
Georgia	33,296	31,748	28,346	28,870	28,490
Maryland	11,143	10,845	10,139	10,949	9,901
North Carolina	25,575	27,818	26,151	24,646	19,792
South Carolina	12,877	12,945	11,835	10,951	9,771
Virginia	12,932	12,716	11,930	11,024	8,624
West Virginia	36,780	34,130	31,633	31,438	30,402
East South Central	**99,586**	**100,791**	**102,352**	**96,969**	**93,394**
Alabama	30,192	30,920	30,378	29,510	28,131
Kentucky	35,435	36,962	39,550	38,383	36,891
Mississippi	6,423	5,886	6,043	5,428	4,271
Tennessee	27,537	27,023	26,381	23,649	24,100
West South Central	**151,343**	**144,195**	**135,858**	**141,043**	**136,806**
Arkansas	15,406	14,173	11,879	14,736	14,082
Louisiana	13,854	14,043	13,167	12,504	13,409
Oklahoma	20,999	19,747	18,378	19,571	19,713
Texas	101,084	96,231	92,435	94,232	89,602
Mountain	**112,242**	**112,208**	**103,539**	**98,869**	**101,149**
Arizona	19,712	18,826	16,788	15,027	15,762
Colorado	18,389	18,061	16,711	16,416	16,503
Idaho	—	—	—	—	—
Montana	10,417	10,520	9,160	7,877	9,313
Nevada	8,075	8,035	6,851	7,304	7,422
New Mexico	16,059	15,841	15,775	15,003	14,671
Utah	14,193	14,896	15,053	13,695	13,524
Wyoming	25,396	26,029	23,201	23,547	23,955
Pacific Contiguous	**7,812**	**8,120**	**5,667**	**5,418**	**6,510**
California	—	—	—	—	—
Oregon	2,326	2,014	875	838	1,200
Washington	5,486	6,106	4,792	4,580	5,310
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—
Hawaii	—	—	—	—	—
Total	**908,232**	**929,448**	**880,588**	**862,701**	**826,860**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 2. Average Delivered Cost of Coal by Census Division and State, 1995-1999

Census Division and State	1999	1998	1997	1996	1995	1999	1998	1997	1996	1995
	(cents per million Btu)					(dollars per short ton)				
New England	**156.8**	**167.6**	**171.2**	**170.2**	**168.7**	**41.22**	**42.94**	**43.67**	**43.55**	**43.34**
Connecticut	169.3	181.1	190.5	191.0	188.1	45.85	47.59	50.02	50.05	49.33
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	173.4	167.6	169.9	168.8	167.9	45.63	42.30	42.72	42.64	42.63
New Hampshire	151.5	161.2	163.2	160.6	158.9	39.79	42.35	42.62	42.23	41.67
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**132.5**	**137.6**	**138.3**	**140.8**	**138.8**	**33.48**	**34.33**	**34.39**	**35.08**	**34.63**
New Jersey	145.4	159.0	175.6	175.2	177.6	38.23	41.71	45.94	45.53	47.17
New York	144.9	143.4	142.4	142.8	141.2	37.77	37.44	37.32	37.15	36.86
Pennsylvania	129.9	135.0	135.5	138.2	135.9	32.61	33.28	33.28	34.06	33.48
East North Central	**125.9**	**129.9**	**130.7**	**133.3**	**139.0**	**26.60**	**27.51**	**27.68**	**28.29**	**29.67**
Illinois	143.7	155.7	155.4	162.7	163.4	27.47	30.22	30.41	32.14	32.58
Indiana	111.0	112.3	116.4	119.1	125.5	23.58	23.63	24.35	24.67	25.94
Michigan	130.6	133.4	136.9	139.7	144.9	27.39	28.19	28.93	29.34	30.95
Ohio	136.2	136.5	132.1	134.0	142.0	32.47	32.52	31.41	32.31	34.44
Wisconsin	102.3	107.4	109.0	106.0	113.5	18.66	19.97	20.43	19.55	21.23
West North Central	**87.3**	**88.9**	**91.7**	**92.1**	**95.7**	**14.58**	**14.91**	**15.39**	**15.53**	**16.10**
Iowa	82.1	87.6	93.7	94.1	98.7	14.09	15.12	16.23	16.30	17.13
Kansas	95.4	98.1	102.1	99.2	102.1	16.47	17.06	17.91	17.51	17.83
Minnesota	109.6	106.9	109.5	106.6	114.0	19.47	19.00	19.47	18.99	20.12
Missouri	92.6	91.7	93.4	95.5	98.4	16.56	16.40	16.80	17.31	18.14
Nebraska	55.4	58.6	58.5	71.9	74.8	9.42	10.07	10.06	12.37	12.86
North Dakota	73.0	76.2	77.8	73.7	73.3	9.56	10.01	10.21	9.72	9.65
South Dakota	93.6	92.7	92.0	93.7	102.9	16.16	16.19	15.99	16.94	14.35
South Atlantic[1]	**141.3**	**144.7**	**147.6**	**149.3**	**155.2**	**35.07**	**35.58**	**36.34**	**36.68**	**38.25**
Delaware	158.9	156.3	157.1	159.4	161.5	41.12	40.52	41.05	41.51	42.27
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida[1]	159.4	164.8	172.5	173.9	178.6	40.50	40.03	41.82	42.40	43.93
Georgia	154.6	154.5	158.6	157.8	166.8	36.29	36.31	37.28	36.54	38.62
Maryland	137.9	145.7	150.0	149.4	150.4	35.69	37.63	38.75	38.49	39.00
North Carolina	143.8	143.8	142.9	148.4	162.8	35.80	35.66	35.35	36.87	40.57
South Carolina	141.6	144.7	144.7	147.1	151.2	36.29	37.05	37.21	37.54	38.86
Virginia	134.3	137.8	139.3	141.8	144.8	34.11	34.73	34.98	35.73	36.90
West Virginia	118.2	122.2	123.7	124.9	127.3	29.22	30.06	30.68	30.93	31.61
East South Central[1]	**123.2**	**126.0**	**123.9**	**125.3**	**127.4**	**28.03**	**29.10**	**28.70**	**29.35**	**30.08**
Alabama[1]	147.6	157.5	153.6	154.3	156.0	32.36	36.28	35.58	36.39	37.00
Kentucky[1]	105.8	105.9	104.6	105.9	110.6	24.52	24.52	24.20	24.43	25.71
Mississippi	155.2	153.8	154.7	151.1	153.3	34.34	32.51	32.44	33.31	34.40
Tennessee[1]	113.1	112.5	112.5	114.6	115.2	26.32	26.39	26.67	27.64	27.94
West South Central	**120.4**	**123.4**	**126.7**	**129.1**	**133.6**	**18.86**	**19.34**	**19.69**	**20.13**	**20.66**
Arkansas	145.6	147.2	164.0	150.3	161.1	25.19	25.53	28.56	26.15	27.99
Louisiana	139.8	142.9	147.9	151.4	154.9	22.79	23.15	23.97	24.74	25.13
Oklahoma	91.2	91.0	91.8	97.6	99.4	15.73	15.74	15.87	16.79	17.00
Texas	120.0	123.9	125.9	129.5	133.7	18.01	18.61	18.69	19.26	19.65
Mountain	**106.1**	**107.3**	**110.7**	**112.0**	**110.4**	**20.69**	**20.83**	**21.52**	**21.82**	**21.51**
Arizona	132.7	133.1	142.5	144.4	139.4	27.21	27.12	28.95	29.55	28.65
Colorado	98.5	98.7	100.9	102.6	104.8	19.20	19.41	19.93	20.24	20.73
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	72.7	67.4	68.3	70.5	67.3	12.26	11.36	11.52	11.90	11.47
Nevada	129.4	129.8	139.2	136.6	131.0	29.13	29.07	31.10	30.44	29.02
New Mexico	132.9	130.6	133.6	142.8	141.7	24.27	23.72	24.23	26.04	25.59
Utah	103.1	114.8	111.3	107.1	109.4	23.96	25.97	25.22	24.66	25.27
Wyoming	76.2	78.6	80.6	82.0	81.8	13.39	13.83	14.16	14.30	14.29
Pacific Contiguous	**140.8**	**138.4**	**154.5**	**148.5**	**136.2**	**23.77**	**23.07**	**25.19**	**23.96**	**22.83**
California	—	—	—	—	—	—	—	—	—	—
Oregon	107.9	108.9	113.9	107.1	105.8	19.34	18.92	19.95	18.81	18.79
Washington	156.0	148.7	162.6	156.9	143.6	25.65	24.44	26.15	24.91	23.74
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**121.7**	**125.2**	**127.3**	**128.9**	**131.8**	**24.76**	**25.64**	**26.16**	**26.45**	**27.01**

[1] The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States and their respective Census Divisions. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 3. Receipts and Average Delivered Cost of Coal by Type of Purchase, Mine Type, Census Division and State, 1999

Census Division and State	Type of Purchase						Mine Type					
	Contract			Spot			Surface			Underground		
	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)
New England	**1,025**	**160.9**	**42.54**	**740**	**150.9**	**39.39**	**542**	**144.4**	**37.62**	**1,223**	**162.2**	**42.81**
Connecticut	—	—	—	35	169.3	45.85	35	169.3	45.85	—	—	—
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	225	175.0	46.21	169	171.3	44.87	—	—	—	394	173.4	45.63
New Hampshire	800	156.9	41.51	535	143.2	37.23	507	142.6	37.05	829	156.8	41.47
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**33,858**	**135.7**	**34.34**	**6,717**	**115.9**	**29.16**	**11,441**	**120.0**	**29.59**	**29,135**	**137.2**	**35.01**
New Jersey	2,408	145.5	38.20	189	143.3	38.65	1,029	147.5	38.08	1,568	144.0	38.33
New York	3,312	146.2	38.24	735	139.0	35.66	159	127.9	29.89	3,887	145.5	38.10
Pennsylvania	28,138	133.6	33.55	5,793	112.0	28.02	10,253	116.9	28.73	23,679	135.3	34.28
East North Central	**149,765**	**131.1**	**27.47**	**52,108**	**111.5**	**24.11**	**143,530**	**120.7**	**24.13**	**58,343**	**136.7**	**32.66**
Illinois	28,547	152.2	29.55	7,695	109.6	19.78	24,265	152.0	27.19	11,977	129.7	28.04
Indiana	43,866	112.0	23.53	13,067	108.0	23.76	44,768	105.6	21.78	12,165	128.4	30.24
Michigan	26,681	131.6	26.59	6,599	127.2	30.65	26,000	131.2	25.77	7,280	129.1	33.21
Ohio	35,141	148.1	35.42	16,427	110.5	26.16	27,314	127.3	29.53	24,253	145.7	35.78
Wisconsin	15,531	100.5	18.26	8,320	105.7	19.40	21,182	95.5	16.65	2,668	141.1	34.57
West North Central	**102,321**	**87.2**	**14.31**	**31,430**	**87.8**	**15.45**	**130,969**	**85.8**	**14.21**	**2,782**	**136.5**	**31.97**
Iowa	15,168	80.9	13.82	6,306	84.9	14.76	20,734	79.9	13.53	740	127.9	29.81
Kansas	13,878	105.7	18.17	5,675	70.6	12.31	19,200	94.3	16.17	353	142.9	32.32
Minnesota	15,454	108.9	19.34	1,106	118.9	21.24	16,525	109.4	19.43	35	151.0	36.11
Missouri	20,714	91.6	16.48	16,772	93.7	16.66	35,843	89.7	15.82	1,643	138.9	32.83
Nebraska	10,786	54.1	9.21	1,185	67.4	11.35	11,959	55.4	9.41	11	116.0	24.78
North Dakota	24,649	73.0	9.56	*	54.2	7.67	24,650	73.0	9.56	—	—	—
South Dakota	1,672	93.0	16.15	387	96.3	16.21	2,059	93.6	16.16	—	—	—
South Atlantic[1]	**118,801**	**142.9**	**36.07**	**40,483**	**136.3**	**32.12**	**68,944**	**144.7**	**34.94**	**90,340**	**138.8**	**35.16**
Delaware	1,075	158.4	41.02	129	163.2	41.98	399	166.2	41.57	805	155.5	40.90
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida[1]	18,003	165.4	42.68	7,474	144.2	35.24	7,629	159.5	39.18	17,848	159.4	41.06
Georgia	19,429	158.5	39.97	13,867	148.0	31.13	22,166	150.5	34.14	11,130	161.9	40.56
Maryland	9,825	138.2	35.72	1,318	135.5	35.52	3,825	139.4	35.03	7,318	137.1	36.04
North Carolina	20,172	147.0	36.68	5,404	131.6	32.50	13,712	143.1	35.55	11,864	144.5	36.09
South Carolina	10,561	142.1	36.47	2,316	139.6	35.44	3,477	148.8	37.65	9,400	139.0	35.78
Virginia	9,457	134.7	34.15	3,474	133.2	33.99	4,994	136.8	35.05	7,938	132.6	33.52
West Virginia	30,279	119.9	29.64	6,502	110.1	27.26	12,744	131.4	32.14	24,037	111.3	27.67
East South Central[1]	**82,077**	**124.1**	**27.87**	**17,510**	**119.1**	**28.80**	**41,836**	**115.0**	**24.22**	**57,750**	**128.4**	**30.79**
Alabama[1]	25,878	150.8	32.41	4,313	130.9	32.07	14,594	127.1	24.55	15,598	162.8	39.67
Kentucky[1]	26,381	105.4	24.08	9,054	107.0	25.80	18,762	105.1	24.16	16,673	106.7	24.92
Mississippi	4,579	156.4	34.08	1,844	152.5	35.00	3,112	145.4	29.50	3,312	163.1	38.90
Tennessee[1]	25,238	112.6	26.04	2,298	118.8	29.45	5,369	104.8	20.47	22,168	114.7	27.74
West South Central	**141,852**	**120.2**	**18.72**	**9,491**	**121.8**	**20.98**	**151,181**	**120.3**	**18.85**	**162**	**145.5**	**33.91**
Arkansas	13,942	148.4	25.70	1,464	118.8	20.31	15,406	145.6	25.19	—	—	—
Louisiana	13,854	139.8	22.79	—	—	—	13,854	139.8	22.79	—	—	—
Oklahoma	20,999	91.2	15.73	—	—	—	20,999	91.2	15.73	—	—	—
Texas	93,056	119.7	17.74	8,027	122.4	21.10	100,922	119.9	17.98	162	145.5	33.91
Mountain	**106,356**	**106.1**	**20.63**	**5,886**	**105.9**	**21.79**	**90,959**	**105.4**	**19.68**	**21,283**	**108.2**	**25.02**
Arizona	17,232	132.9	27.36	2,480	130.7	26.19	19,418	131.5	26.94	295	200.4	45.51
Colorado	16,807	100.6	19.55	1,582	77.1	15.52	15,176	98.1	18.49	3,213	100.0	22.58
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	10,417	72.7	12.26	—	—	—	10,417	72.7	12.26	—	—	—
Nevada	6,959	133.6	29.87	1,115	104.2	24.48	4,493	130.5	28.65	3,582	128.1	29.72
New Mexico	16,059	132.9	24.27	—	—	—	16,059	132.9	24.27	—	—	—
Utah	13,898	102.5	23.85	295	130.6	28.85	—	—	—	14,193	103.1	23.96
Wyoming	24,983	76.7	13.49	413	42.3	7.11	25,396	76.2	13.39	—	—	—
Pacific Contiguous	**3,984**	**171.0**	**26.68**	**3,828**	**113.9**	**20.75**	**7,525**	**142.8**	**23.75**	**287**	**102.6**	**24.36**
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	2,326	107.9	19.34	2,039	108.9	18.63	287	102.6	24.36
Washington	3,984	171.0	26.68	1,502	122.7	22.93	5,486	156.0	25.65	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**740,039**	**123.1**	**24.74**	**168,193**	**116.1**	**24.84**	**646,927**	**115.3**	**21.52**	**261,304**	**133.6**	**32.78**

[1] The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States and their respective Census Divisions. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.• Cost = average delivered cost.

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

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Table 4. Receipts and Average Delivered Cost of Coal by Rank, Census Division, and State, 1999

Census Division and State	Bituminous[1]			Subbituminous			Lignite			Total		
	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)
New England	**1,764**	**13,147**	**156.8**	**—**	**—**	**—**	**—**	**—**	**—**	**1,764**	**13,147**	**156.8**
Connecticut	35	13,541	169.3	—	—	—	—	—	—	35	13,541	169.3
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	394	13,160	173.4	—	—	—	—	—	—	394	13,160	173.4
New Hampshire	1,335	13,133	151.5	—	—	—	—	—	—	1,335	13,133	151.5
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**40,575**	**12,638**	**132.5**	**—**	**—**	**—**	**—**	**—**	**—**	**40,575**	**12,638**	**132.5**
New Jersey	2,597	13,150	145.4	—	—	—	—	—	—	2,597	13,150	145.4
New York	4,047	13,034	144.9	—	—	—	—	—	—	4,047	13,034	144.9
Pennsylvania	33,932	12,552	129.9	—	—	—	—	—	—	33,932	12,552	129.9
East North Central	**120,585**	**11,733**	**128.4**	**81,288**	**8,823**	**121.1**	**—**	**—**	**—**	**201,873**	**10,562**	**125.9**
Illinois	13,599	10,825	126.7	22,642	8,801	156.2	—	—	—	36,241	9,560	143.7
Indiana	41,033	11,339	113.0	15,900	8,764	104.5	—	—	—	56,933	10,620	111.0
Michigan	13,102	12,651	139.0	20,179	9,082	123.0	—	—	—	33,281	10,487	130.6
Ohio	49,671	12,038	136.8	1,897	8,785	116.2	—	—	—	51,568	11,918	136.2
Wisconsin	3,180	12,169	143.3	20,670	8,645	93.5	—	—	—	23,850	9,115	102.3
West North Central	**4,685**	**11,378**	**128.5**	**104,417**	**8,636**	**87.4**	**24,649**	**6,547**	**73.0**	**133,751**	**8,347**	**87.3**
Iowa	889	11,717	126.8	20,585	8,446	79.4	—	—	—	21,474	8,581	82.1
Kansas	1,056	11,021	122.6	18,497	8,491	93.4	—	—	—	19,553	8,628	95.4
Minnesota	118	11,143	155.3	16,442	8,867	109.2	—	—	—	16,559	8,883	109.6
Missouri	2,611	11,421	130.2	34,874	8,763	88.9	—	—	—	37,486	8,948	92.6
Nebraska	11	10,683	116.0	11,959	8,496	55.4	—	—	—	11,970	8,498	55.4
North Dakota	—	—	—	*	7,072	54.2	24,649	6,547	73.0	24,650	6,547	73.0
South Dakota	—	—	—	2,059	8,630	93.6	—	—	—	2,059	8,630	93.6
South Atlantic[2]	**152,033**	**12,584**	**141.0**	**7,251**	**8,728**	**150.0**	**—**	**—**	**—**	**159,284**	**12,408**	**141.3**
Delaware	1,204	12,935	158.9	—	—	—	—	—	—	1,204	12,935	158.9
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida[2]	25,047	12,767	159.8	430	8,802	126.4	—	—	—	25,477	12,700	159.4
Georgia	26,475	12,517	155.1	6,821	8,724	151.5	—	—	—	33,296	11,740	154.6
Maryland	11,143	12,943	137.9	—	—	—	—	—	—	11,143	12,943	137.9
North Carolina	25,575	12,450	143.8	—	—	—	—	—	—	25,575	12,450	143.8
South Carolina	12,877	12,809	141.6	—	—	—	—	—	—	12,877	12,809	141.6
Virginia	12,932	12,702	134.3	—	—	—	—	—	—	12,932	12,702	134.3
West Virginia	36,780	12,361	118.2	—	—	—	—	—	—	36,780	12,361	118.2
East South Central[2]	**82,401**	**11,917**	**124.4**	**17,186**	**8,781**	**115.1**	**—**	**—**	**—**	**99,586**	**11,376**	**123.2**
Alabama[2]	19,860	12,151	159.1	10,332	8,679	116.6	—	—	—	30,192	10,963	147.6
Kentucky[2]	34,666	11,644	105.9	768	8,783	104.3	—	—	—	35,435	11,582	105.8
Mississippi	4,273	11,937	158.4	2,150	9,324	147.2	—	—	—	6,423	11,062	155.2
Tennessee[2]	23,601	12,116	115.4	3,936	8,750	94.6	—	—	—	27,537	11,635	113.1
West South Central	**1,421**	**10,791**	**139.9**	**97,362**	**8,579**	**127.2**	**52,560**	**6,380**	**102.3**	**151,343**	**7,836**	**120.4**
Arkansas	—	—	—	15,406	8,651	145.6	—	—	—	15,406	8,651	145.6
Louisiana	—	—	—	11,044	8,451	141.1	2,810	6,963	133.7	13,854	8,149	139.8
Oklahoma	112	12,993	101.7	20,888	8,596	91.2	—	—	—	20,999	8,619	91.2
Texas	1,310	10,603	143.9	50,024	8,577	133.6	49,750	6,347	100.4	101,084	7,506	120.0
Mountain	**40,770**	**11,143**	**113.8**	**71,257**	**8,969**	**100.6**	**215**	**6,714**	**89.2**	**112,242**	**9,755**	**106.1**
Arizona	7,418	10,954	123.0	12,295	9,836	139.2	—	—	—	19,712	10,257	132.7
Colorado	8,555	10,754	109.2	9,834	8,874	87.2	—	—	—	18,389	9,749	98.5
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	10,202	8,471	72.4	215	6,714	89.2	10,417	8,435	72.7
Nevada	8,075	11,257	129.4	—	—	—	—	—	—	8,075	11,257	129.4
New Mexico	—	—	—	16,059	9,132	132.9	—	—	—	16,059	9,132	132.9
Utah	14,193	11,620	103.1	—	—	—	—	—	—	14,193	11,620	103.1
Wyoming	2,529	9,977	115.5	22,867	8,652	71.2	—	—	—	25,396	8,784	76.2
Pacific Contiguous	**301**	**11,832**	**101.4**	**7,511**	**8,308**	**143.0**	**—**	**—**	**—**	**7,812**	**8,444**	**140.8**
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	301	11,832	101.4	2,025	8,535	109.2	—	—	—	2,326	8,961	107.9
Washington	—	—	—	5,486	8,224	156.0	—	—	—	5,486	8,224	156.0
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**444,536**	**12,086**	**131.5**	**386,271**	**8,724**	**110.4**	**77,425**	**6,434**	**92.8**	**908,232**	**10,174**	**121.7**

1 Includes 137 thousand short tons of anthracite coal delivered to Pennsylvania.

2 The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States and their respective Census Divisions. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu. • Cost = average delivered cost.

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

Table 5. Receipts and Average Delivered Cost of Coal by Sulfur Content, Census Division, and State, 1999

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Receipts (1,000 short tons)	Cost		Receipts (1,000 short tons)	Cost		Receipts (1,000 short tons)	Cost	
		(cents per MM Btu)	($ per short ton)		(cents per MM Btu)	($ per short ton)		(cents per MM Btu)	($ per short ton)
New England	**47**	**188.3**	**49.67**	**767**	**154.5**	**40.32**	**313**	**160.4**	**42.28**
Connecticut	—	—	—	35	169.3	45.85	—	—	—
Maine	—	—	—	—	—	—	—	—	—
Massachusetts	47	188.3	49.67	225	178.7	46.85	98	157.7	41.71
New Hampshire	—	—	—	507	142.6	37.05	215	161.6	42.54
Rhode Island	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**30**	**154.0**	**34.21**	**4,988**	**147.7**	**37.63**	**4,232**	**134.8**	**34.29**
New Jersey	—	—	—	1,941	142.3	37.75	90	137.0	33.94
New York	18	184.2	47.96	1,164	165.3	42.37	191	138.6	35.99
Pennsylvania	12	82.5	13.58	1,882	142.3	34.56	3,951	134.5	34.21
East North Central	**80,393**	**119.8**	**21.30**	**46,329**	**136.1**	**32.01**	**13,789**	**120.7**	**28.19**
Illinois	20,926	152.4	27.12	5,974	163.7	32.86	855	120.0	26.41
Indiana	16,144	104.8	18.45	7,369	136.3	31.94	8,461	119.4	26.69
Michigan	20,160	123.5	22.55	9,041	145.7	36.07	2,099	123.8	32.54
Ohio	1,947	115.6	20.41	22,924	125.5	30.10	1,300	106.2	26.43
Wisconsin	21,215	95.2	16.60	1,020	147.5	34.59	1,074	141.2	35.08
West North Central	**96,020**	**86.4**	**14.96**	**32,464**	**85.7**	**12.46**	**3,794**	**105.4**	**18.07**
Iowa	19,705	80.5	13.68	1,242	89.3	15.81	336	116.4	24.12
Kansas	18,932	94.6	16.16	155	142.6	32.10	—	—	—
Minnesota	9,889	108.1	19.31	6,647	111.5	19.63	23	162.5	39.10
Missouri	35,192	89.2	15.67	481	107.1	22.60	997	144.2	34.34
Nebraska	11,936	55.3	9.40	34	86.4	15.68	—	—	—
North Dakota	—	—	—	22,212	72.8	9.48	2,438	74.9	10.37
South Dakota	367	95.9	16.06	1,692	93.2	16.18	—	—	—
South Atlantic[1]	**7,860**	**149.0**	**26.26**	**79,451**	**147.6**	**37.20**	**35,964**	**142.6**	**36.27**
Delaware	—	—	—	757	168.0	42.99	400	143.8	37.94
District of Columbia	—	—	—	—	—	—	—	—	—
Florida[1]	1,021	133.6	24.90	9,354	165.3	44.72	6,373	163.4	41.31
Georgia	6,821	151.5	26.44	18,232	158.1	39.46	7,043	148.7	37.67
Maryland	—	—	—	4,949	139.4	35.25	4,189	136.4	35.95
North Carolina	—	—	—	21,411	145.1	36.19	4,158	136.8	33.78
South Carolina	18	141.8	34.86	3,421	147.2	37.69	7,929	139.6	35.71
Virginia	—	—	—	5,959	134.3	34.25	3,766	129.8	33.05
West Virginia	—	—	—	15,367	133.7	32.73	2,106	117.4	29.43
East South Central[1]	**24,428**	**121.6**	**23.51**	**23,002**	**152.4**	**37.02**	**11,572**	**124.4**	**30.58**
Alabama[1]	10,633	117.9	20.76	10,096	189.3	45.96	1,713	151.6	36.41
Kentucky[1]	3,668	127.2	28.42	9,354	115.0	28.08	3,870	109.1	26.61
Mississippi	3,501	149.9	30.49	1,653	173.4	41.66	898	149.4	36.09
Tennessee[1]	6,626	108.1	21.53	1,900	123.1	29.55	5,091	122.6	30.66
West South Central	**106,897**	**126.9**	**21.20**	**20,028**	**107.7**	**14.53**	**20,819**	**95.5**	**12.66**
Arkansas	15,406	145.6	25.19	—	—	—	—	—	—
Louisiana	9,784	141.8	23.92	3,573	134.3	20.24	497	135.5	18.86
Oklahoma	20,888	91.2	15.67	—	—	—	—	—	—
Texas	60,819	132.4	21.64	16,455	101.1	13.29	20,322	94.5	12.51
Mountain	**55,353**	**100.8**	**19.98**	**56,862**	**111.4**	**21.38**	**27**	**119.9**	**25.51**
Arizona	8,330	143.1	28.71	11,383	125.3	26.12	—	—	—
Colorado	16,182	98.6	18.89	2,180	97.4	21.45	27	119.9	25.51
Idaho	—	—	—	—	—	—	—	—	—
Montana	748	62.3	10.45	9,670	73.5	12.40	—	—	—
Nevada	6,357	129.9	29.07	1,717	127.6	29.33	—	—	—
New Mexico	—	—	—	16,059	132.9	24.27	—	—	—
Utah	10,512	105.3	24.34	3,681	97.0	22.87	—	—	—
Wyoming	13,225	50.7	8.53	12,172	101.7	18.66	—	—	—
Pacific Contiguous	**3,575**	**114.9**	**20.49**	**3,659**	**161.6**	**26.09**	**578**	**186.8**	**29.39**
California	—	—	—	—	—	—	—	—	—
Oregon	2,073	108.8	18.72	253	102.5	24.38	—	—	—
Washington	1,502	122.7	22.93	3,406	168.2	26.22	578	186.8	29.39
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Total	**374,602**	**110.9**	**19.69**	**267,549**	**132.1**	**28.09**	**91,088**	**128.5**	**28.05**

1 The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States and their respective Census Divisions. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.• Cost = average delivered cost.

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

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Table 5. Receipts and Average Delivered Cost of Coal by Sulfur Content, Census Division, and State, 1999 (Continued)

Census Division and State	More than 1.5% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Receipts Cost	
	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)	Receipts (1,000 short tons)	Cost (cents per MM Btu)	Cost ($ per short ton)	(cents per MM Btu)	($ per short ton)
New England	**439**	**157.2**	**41.56**	**200**	**151.3**	**40.26**	**—**	**—**	**—**	**156.8**	**41.22**
Connecticut	—	—	—	—	—	—	—	—	—	169.3	45.85
Maine	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	25	159.1	42.39	—	—	—	—	—	—	173.4	45.63
New Hampshire	414	157.1	41.51	200	151.3	40.26	—	—	—	151.5	39.79
Rhode Island	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**11,796**	**127.9**	**32.45**	**14,286**	**122.8**	**31.40**	**5,243**	**154.1**	**36.87**	**132.5**	**33.48**
New Jersey	—	—	—	565	157.4	40.56	—	—	—	145.4	38.23
New York	1,273	138.6	36.35	1,400	134.4	35.36	—	—	—	144.9	37.77
Pennsylvania	10,523	126.5	31.98	12,321	119.8	30.53	5,243	154.1	36.87	129.9	32.61
East North Central	**8,146**	**114.0**	**27.10**	**27,497**	**108.9**	**25.24**	**25,719**	**147.1**	**33.87**	**125.9**	**26.60**
Illinois	204	105.3	21.55	5,373	107.5	23.19	2,908	129.9	27.58	143.7	27.47
Indiana	4,520	109.8	24.42	12,427	101.1	23.02	8,011	104.3	23.36	111.0	23.58
Michigan	984	123.8	32.12	655	119.5	30.40	342	126.5	32.46	130.6	27.39
Ohio	1,946	111.4	28.93	9,005	118.8	29.10	14,446	173.2	40.99	136.2	32.47
Wisconsin	493	140.9	36.66	37	140.0	36.44	12	141.4	36.97	102.3	18.66
West North Central	**6**	**87.4**	**19.27**	**248**	**125.1**	**28.81**	**1,219**	**120.4**	**27.46**	**87.3**	**14.58**
Iowa	—	—	—	117	113.8	27.21	74	112.8	28.22	82.1	14.09
Kansas	—	—	—	—	—	—	466	106.1	23.66	95.4	16.47
Minnesota	—	—	—	—	—	—	—	—	—	109.6	19.47
Missouri	6	87.4	19.27	131	136.0	30.24	679	130.7	29.99	92.6	16.56
Nebraska	—	—	—	—	—	—	—	—	—	55.4	9.42
North Dakota	—	—	—	—	—	—	—	—	—	73.0	9.56
South Dakota	—	—	—	—	—	—	—	—	—	93.6	16.16
South Atlantic[1]	**15,308**	**122.6**	**30.96**	**8,123**	**146.2**	**36.35**	**12,578**	**113.3**	**27.85**	**141.3**	**35.07**
Delaware	46	146.1	38.03	—	—	—	—	—	—	158.9	41.12
District of Columbia	—	—	—	—	—	—	—	—	—	—	—
Florida[1]	936	154.7	39.06	5,741	146.6	36.14	2,052	165.7	39.38	159.4	40.50
Georgia	1,183	147.2	36.07	17	143.6	35.28	—	—	—	154.6	36.29
Maryland	1,803	137.7	36.27	202	136.0	36.08	—	—	—	137.9	35.69
North Carolina	—	—	—	6	120.0	28.32	—	—	—	143.8	35.80
South Carolina	1,385	140.4	36.23	123	133.4	34.71	—	—	—	141.6	36.29
Virginia	1,014	141.7	36.22	1,794	141.2	35.61	398	125.3	29.80	134.3	34.11
West Virginia	8,940	107.7	26.91	239	191.5	48.34	10,128	102.7	25.44	118.2	29.22
East South Central[1]	**9,676**	**119.4**	**29.33**	**14,834**	**109.3**	**26.05**	**16,074**	**95.1**	**21.22**	**123.2**	**28.03**
Alabama[1]	3,528	132.0	31.94	3,062	115.5	28.46	1,160	108.6	25.92	147.6	32.36
Kentucky[1]	1,087	110.0	27.06	2,582	100.3	23.08	14,875	93.9	20.84	105.8	24.52
Mississippi	—	—	—	371	133.0	33.92	—	—	—	155.2	34.34
Tennessee[1]	5,061	112.9	28.00	8,819	108.5	25.75	40	115.7	28.34	113.1	26.32
West South Central	**3,488**	**83.1**	**9.01**	**—**	**—**	**—**	**112**	**101.7**	**26.43**	**120.4**	**18.86**
Arkansas	—	—	—	—	—	—	—	—	—	145.6	25.19
Louisiana	—	—	—	—	—	—	—	—	—	139.8	22.79
Oklahoma	—	—	—	—	—	—	112	101.7	26.43	91.2	15.73
Texas	3,488	83.1	9.01	—	—	—	—	—	—	120.0	18.01
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**106.1**	**20.69**
Arizona	—	—	—	—	—	—	—	—	—	132.7	27.21
Colorado	—	—	—	—	—	—	—	—	—	98.5	19.20
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	72.7	12.26
Nevada	—	—	—	—	—	—	—	—	—	129.4	29.13
New Mexico	—	—	—	—	—	—	—	—	—	132.9	24.27
Utah	—	—	—	—	—	—	—	—	—	103.1	23.96
Wyoming	—	—	—	—	—	—	—	—	—	76.2	13.39
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**140.8**	**23.77**
California	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	107.9	19.34
Washington	—	—	—	—	—	—	—	—	—	156.0	25.65
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—
Total	**48,859**	**121.0**	**28.88**	**65,188**	**117.2**	**28.22**	**60,945**	**126.6**	**29.41**	**121.7**	**24.76**

1 The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States and their respective Census Divisions. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.• Cost = average delivered cost.

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

Table 6. Receipts of Petroleum by Census Division and State, 1995-1999

(Thousand Barrels)

Census Division and State	1999	1998	1997	1996	1995
New England	**13,621**	**35,559**	**36,176**	**22,071**	**17,881**
Connecticut	9,756	14,192	13,901	9,562	4,970
Maine	1,045	3,204	2,335	1,423	1,414
Massachusetts	205	15,733	18,344	9,783	9,299
New Hampshire	2,615	2,427	1,594	1,215	2,104
Rhode Island	—	—	—	81	92
Vermont	—	4	2	6	2
Middle Atlantic	**25,624**	**31,908**	**19,139**	**24,113**	**18,110**
New Jersey	2,437	1,781	1,516	2,662	2,154
New York	18,477	22,928	14,556	16,662	12,372
Pennsylvania	4,709	7,199	3,067	4,789	3,584
East North Central	**4,586**	**4,691**	**3,108**	**3,526**	**3,578**
Illinois	771	1,241	895	1,272	1,333
Indiana	665	500	390	431	440
Michigan	2,367	2,418	1,288	1,362	1,295
Ohio	739	491	467	403	420
Wisconsin	44	41	67	59	90
West North Central	**738**	**659**	**976**	**632**	**424**
Iowa	159	121	88	57	50
Kansas	356	248	490	131	58
Minnesota	42	45	39	63	41
Missouri	116	158	202	207	176
Nebraska	15	15	21	14	14
North Dakota	50	72	134	153	85
South Dakota	—	—	—	6	—
South Atlantic	**69,006**	**74,512**	**44,613**	**43,443**	**36,261**
Delaware	2,071	2,116	1,706	1,926	1,028
District of Columbia	412	446	139	295	422
Florida	54,285	59,824	38,320	36,449	31,059
Georgia	575	738	279	485	240
Maryland	6,675	6,005	1,985	2,492	2,008
North Carolina	497	406	350	209	195
South Carolina	93	109	137	72	68
Virginia	4,024	4,543	1,361	1,186	937
West Virginia	374	324	336	329	305
East South Central	**5,717**	**8,851**	**4,697**	**2,465**	**601**
Alabama	170	112	218	178	176
Kentucky	212	208	237	205	234
Mississippi	4,982	8,379	4,081	1,726	28
Tennessee	352	152	161	355	163
West South Central	**942**	**1,607**	**1,458**	**943**	**362**
Arkansas	109	90	73	86	70
Louisiana	636	1,264	846	299	82
Oklahoma	10	7	39	73	10
Texas	187	246	500	486	200
Mountain	**364**	**364**	**363**	**396**	**387**
Arizona	127	144	123	158	113
Colorado	7	—	—	—	4
Idaho	—	—	—	—	—
Montana	20	14	16	22	34
Nevada	20	30	38	31	29
New Mexico	65	53	45	48	47
Utah	42	42	23	31	31
Wyoming	84	81	117	106	129
Pacific Contiguous	**65**	**124**	**33**	**16**	**33**
California	10	103	—	—	—
Oregon	42	6	17	—	13
Washington	13	15	15	16	20
Pacific Noncontiguous	**10,744**	**6,916**	**7,227**	**9,024**	**6,654**
Alaska	—	—	—	—	—
Hawaii	10,744	6,916	7,227	9,024	6,654
Total	**131,407**	**165,191**	**117,789**	**106,629**	**84,292**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 7. Average Delivered Cost of Petroleum by Census Division and State, 1995-1999

Census Division and State	1999	1998	1997	1996	1995	1999	1998	1997	1996	1995
	(cents per million Btu)					(dollars per barrel)				
New England	**218.4**	**203.5**	**274.3**	**307.9**	**258.0**	**13.98**	**12.97**	**17.51**	**19.71**	**16.50**
Connecticut	223.5	218.7	292.7	324.1	264.0	14.30	13.98	18.74	20.83	16.99
Maine	177.9	202.1	278.9	293.6	260.6	11.27	12.84	17.69	18.54	16.48
Massachusetts	243.2	192.6	260.7	299.2	258.7	15.31	12.25	16.60	19.10	16.48
New Hampshire	213.6	187.2	263.6	254.4	232.6	13.75	11.94	16.89	16.51	15.08
Rhode Island	—	—	—	478.7	412.5	—	—	—	28.23	24.18
Vermont	—	327.1	453.5	523.8	411.7	—	18.70	26.04	29.34	23.84
Middle Atlantic	**247.4**	**210.6**	**285.3**	**328.7**	**270.2**	**15.62**	**13.30**	**18.02**	**20.62**	**16.97**
New Jersey	288.2	242.2	298.7	358.7	286.2	18.07	15.12	18.63	22.20	17.95
New York	236.5	203.5	284.1	319.2	265.5	14.96	12.88	17.94	20.07	16.70
Pennsylvania	269.1	225.7	284.7	345.2	276.8	16.96	14.19	18.09	21.69	17.32
East North Central	**334.4**	**288.7**	**382.3**	**385.8**	**321.5**	**20.36**	**17.70**	**23.20**	**23.60**	**19.62**
Illinois	345.0	275.2	375.0	368.1	301.4	21.13	17.19	23.14	23.06	18.81
Indiana	426.3	319.4	453.1	486.9	401.1	24.57	18.42	26.08	28.08	23.14
Michigan	289.2	280.6	345.1	340.2	292.1	18.11	17.45	21.40	21.08	18.10
Ohio	391.7	332.6	437.0	489.6	390.9	22.71	19.24	25.33	28.33	22.60
Wisconsin	413.7	348.9	462.6	481.6	385.0	24.32	20.52	27.13	28.26	22.54
West North Central	**359.5**	**292.6**	**346.5**	**434.8**	**364.6**	**21.59**	**17.46**	**21.46**	**25.59**	**21.53**
Iowa	398.8	332.9	445.2	507.5	409.0	23.34	19.45	25.85	29.52	23.64
Kansas	319.0	265.5	282.1	412.2	369.1	19.77	16.14	18.26	24.57	21.56
Minnesota	420.9	352.7	483.2	487.4	406.7	24.33	20.41	27.74	28.42	23.71
Missouri	381.5	275.0	364.5	352.2	313.0	22.12	16.56	22.05	20.82	18.83
Nebraska	431.5	354.5	450.3	511.4	415.0	24.95	20.49	26.02	29.56	23.99
North Dakota	417.2	311.9	459.2	505.1	417.5	24.34	18.19	26.82	29.56	24.41
South Dakota	—	—	—	597.9	—	—	—	—	35.16	—
South Atlantic	**249.7**	**209.2**	**276.1**	**294.7**	**255.0**	**15.89**	**13.27**	**17.63**	**18.72**	**16.20**
Delaware	243.9	214.7	277.9	321.2	260.9	15.46	13.61	17.68	20.49	16.66
District of Columbia	339.5	252.9	357.7	378.2	309.5	20.43	15.20	21.69	22.75	18.59
Florida	245.6	205.9	270.2	285.4	249.5	15.69	13.11	17.32	18.21	15.91
Georgia	389.6	327.6	420.8	430.5	378.1	22.66	19.06	24.83	25.44	22.17
Maryland	257.4	211.5	296.4	331.6	274.7	16.33	13.39	18.79	20.91	17.32
North Carolina	398.4	310.5	427.7	468.2	381.5	23.12	18.02	24.84	27.20	22.14
South Carolina	406.7	327.6	454.1	496.5	411.1	23.60	19.01	26.33	28.86	23.83
Virginia	229.9	203.7	281.9	290.0	250.9	14.54	12.85	17.55	17.90	15.41
West Virginia	463.5	370.9	464.0	528.7	438.9	27.08	21.68	27.07	30.79	25.62
East South Central	**181.1**	**205.7**	**289.8**	**296.1**	**401.9**	**11.84**	**13.51**	**18.82**	**18.64**	**23.39**
Alabama	326.0	287.6	405.2	445.7	375.6	19.05	16.85	23.77	26.09	21.81
Kentucky	431.9	383.3	482.9	515.4	428.1	25.31	22.43	28.28	30.07	24.98
Mississippi	154.1	199.2	269.1	223.6	374.3	10.22	13.16	17.73	14.50	21.93
Tennessee	393.3	304.5	439.0	484.6	397.4	23.11	17.89	25.80	28.46	23.08
West South Central	**255.9**	**250.1**	**361.5**	**417.9**	**373.1**	**16.07**	**15.80**	**22.37**	**24.81**	**21.80**
Arkansas	329.3	370.8	470.2	452.5	417.5	19.47	21.99	27.66	26.43	24.15
Louisiana	204.2	222.3	301.8	326.8	348.1	13.25	14.32	19.46	20.20	20.69
Oklahoma	495.5	292.2	409.2	406.7	252.9	29.62	17.42	24.08	23.86	15.06
Texas	396.0	362.1	453.6	473.2	374.4	22.95	21.12	26.38	27.50	21.78
Mountain	**487.2**	**423.9**	**532.9**	**551.7**	**470.0**	**28.33**	**24.69**	**31.14**	**32.44**	**27.59**
Arizona	479.8	429.0	531.8	538.6	510.2	27.95	25.02	31.35	32.19	29.98
Colorado	543.8	—	—	—	477.2	30.92	—	—	—	27.65
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	491.0	466.0	529.4	564.9	490.7	28.89	27.60	31.35	33.45	29.06
Nevada	452.6	379.6	507.6	551.5	337.2	26.45	22.14	29.59	31.71	20.77
New Mexico	502.3	439.3	574.6	586.8	490.4	28.69	25.09	32.82	33.52	28.01
Utah	513.6	439.6	583.6	579.2	504.6	30.14	25.80	34.27	33.95	29.53
Wyoming	476.0	405.5	517.0	545.6	444.6	27.81	23.70	30.14	31.89	26.01
Pacific Contiguous	**413.2**	**292.4**	**494.4**	**508.5**	**462.3**	**24.43**	**17.69**	**29.06**	**29.89**	**27.19**
California	327.2	274.7	—	—	—	19.91	16.71	—	—	—
Oregon	414.1	331.9	490.2	—	426.7	24.35	19.52	28.82	—	25.12
Washington	478.8	405.3	499.1	508.5	484.9	28.15	23.82	29.34	29.89	28.50
Pacific Noncontiguous	**319.9**	**261.5**	**364.3**	**353.5**	**298.0**	**20.08**	**16.39**	**22.85**	**22.10**	**18.70**
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	319.9	261.5	364.3	353.5	298.0	20.08	16.39	22.85	22.10	18.70
Total	**252.7**	**213.6**	**288.0**	**315.7**	**267.9**	**16.03**	**13.55**	**18.30**	**19.95**	**16.93**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 8. Receipts and Average Delivered Cost of Petroleum by Type of Purchase, Fuel Type, Census Division and State, 1999

Census Division and State	No. 6 Fuel Oil by Type of Purchase						Average Delivered Cost					
	Contract			Spot			No. 2 Fuel Oil		No. 4, No. 5 Fuel Oil		No. 6 Fuel Oil	
	Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		(cents per MM Btu)	($ per bbl)	(cents per MM Btu)	($ per bbl)	(cents per MM Btu)	($ per bbl)
		(cents per MM Btu)	($ per bbl)		(cents per MM Btu)	($ per bbl)						
New England	**3,126**	**262.4**	**16.91**	**10,421**	**204.3**	**13.05**	**353.5**	**20.50**	**—**	**—**	**217.8**	**13.94**
Connecticut	3,126	262.4	16.91	6,603	204.3	13.03	403.2	23.35	—	—	223.1	14.28
Maine	—	—	—	1,045	177.9	11.27	—	—	—	—	177.9	11.27
Massachusetts	—	—	—	182	240.7	15.29	265.4	15.43	—	—	240.7	15.29
New Hampshire	—	—	—	2,591	212.2	13.67	383.0	22.16	—	—	212.2	13.67
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**10,408**	**245.2**	**15.51**	**14,238**	**242.5**	**15.37**	**362.1**	**21.10**	**374.1**	**22.45**	**243.4**	**15.41**
New Jersey	1,729	269.5	16.97	558	312.6	19.79	378.9	22.27	374.1	22.45	280.1	17.66
New York	8,679	240.4	15.22	9,666	233.4	14.75	347.4	19.41	—	—	236.4	14.95
Pennsylvania	—	—	—	4,013	254.5	16.24	361.3	21.07	—	—	254.5	16.24
East North Central	**22**	**251.3**	**14.97**	**2,284**	**268.5**	**17.15**	**408.1**	**23.63**	**221.7**	**13.17**	**268.3**	**17.13**
Illinois	—	—	—	450	307.8	19.52	401.9	23.38	—	—	307.8	19.52
Indiana	—	—	—	—	—	—	426.3	24.57	—	—	—	—
Michigan	22	251.3	14.97	1,834	258.9	16.57	411.8	23.81	221.7	13.17	258.8	16.55
Ohio	—	—	—	—	—	—	391.7	22.71	—	—	—	—
Wisconsin	—	—	—	—	—	—	413.7	24.32	—	—	—	—
West North Central	**—**	**—**	**—**	**177**	**212.0**	**14.01**	**412.3**	**23.97**	**—**	**—**	**212.0**	**14.01**
Iowa	—	—	—	—	—	—	398.8	23.34	—	—	—	—
Kansas	—	—	—	177	212.0	14.01	439.2	25.46	—	—	212.0	14.01
Minnesota	—	—	—	—	—	—	420.9	24.33	—	—	—	—
Missouri	—	—	—	—	—	—	381.5	22.12	—	—	—	—
Nebraska	—	—	—	—	—	—	431.5	24.95	—	—	—	—
North Dakota	—	—	—	—	—	—	417.2	24.34	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**25,422**	**253.8**	**16.30**	**40,393**	**236.7**	**15.07**	**400.7**	**23.34**	**339.7**	**20.47**	**243.3**	**15.55**
Delaware	—	—	—	1,957	236.0	15.04	392.0	22.83	—	—	236.0	15.04
District of Columbia	—	—	—	—	—	—	383.7	22.44	337.8	20.35	—	—
Florida	21,583	256.4	16.49	32,042	235.4	14.99	399.1	23.21	479.0	29.70	243.9	15.60
Georgia	—	—	—	—	—	—	389.6	22.66	—	—	—	—
Maryland	3,839	239.3	15.22	2,683	275.3	17.49	410.7	24.02	—	—	254.1	16.15
North Carolina	—	—	—	—	—	—	398.4	23.12	—	—	—	—
South Carolina	—	—	—	—	—	—	406.7	23.60	—	—	—	—
Virginia	—	—	—	3,711	220.4	14.03	350.8	20.60	—	—	220.4	14.03
West Virginia	—	—	—	—	—	—	463.6	27.08	—	—	—	—
East South Central	**—**	**—**	**—**	**4,916**	**152.1**	**10.11**	**382.9**	**22.46**	**—**	**—**	**152.1**	**10.11**
Alabama	—	—	—	—	—	—	326.0	19.05	—	—	—	—
Kentucky	—	—	—	—	—	—	431.9	25.31	—	—	—	—
Mississippi	—	—	—	4,916	152.1	10.11	317.3	18.66	—	—	152.1	10.11
Tennessee	—	—	—	—	—	—	393.3	23.11	—	—	—	—
West South Central	**—**	**—**	**—**	**582**	**167.4**	**10.96**	**416.1**	**24.33**	**471.5**	**28.55**	**167.4**	**10.96**
Arkansas	—	—	—	—	—	—	329.3	19.47	—	—	—	—
Louisiana	—	—	—	582	167.4	10.96	647.4	37.93	471.5	28.55	167.4	10.96
Oklahoma	—	—	—	—	—	—	495.5	29.62	—	—	—	—
Texas	—	—	—	—	—	—	396.0	22.95	—	—	—	—
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**487.2**	**28.33**	**—**	**—**	**—**	**—**
Arizona	—	—	—	—	—	—	479.8	27.95	—	—	—	—
Colorado	—	—	—	—	—	—	543.8	30.92	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	491.0	28.89	—	—	—	—
Nevada	—	—	—	—	—	—	452.6	26.45	—	—	—	—
New Mexico	—	—	—	—	—	—	502.3	28.69	—	—	—	—
Utah	—	—	—	—	—	—	513.6	30.14	—	—	—	—
Wyoming	—	—	—	—	—	—	476.0	27.81	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**413.2**	**24.43**	**—**	**—**	**—**	**—**
California	—	—	—	—	—	—	327.2	19.91	—	—	—	—
Oregon	—	—	—	—	—	—	414.1	24.35	—	—	—	—
Washington	—	—	—	—	—	—	478.8	28.15	—	—	—	—
Pacific Noncontiguous	**10,713**	**319.3**	**20.05**	**—**	**—**	**—**	**535.3**	**31.01**	**—**	**—**	**319.3**	**20.05**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	10,713	319.3	20.05	—	—	—	535.3	31.01	—	—	319.3	20.05
Total	**49,691**	**266.5**	**16.98**	**73,010**	**227.6**	**14.54**	**402.9**	**23.45**	**339.6**	**20.46**	**243.3**	**15.52**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.• Cost = average delivered cost.

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

Table 9. Receipts and Average Delivered Cost of Petroleum by Type, Census Division, and State, 1999

Census Division and State	No. 2 Fuel Oil			Nos. 4 & 5 Fuel Oil[1]			No. 6 Fuel Oil			Total		
	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)
New England	**74**	**138,038**	**353.5**	**—**	**—**	**—**	**13,547**	**152,432**	**217.8**	**13,621**	**152,354**	**218.4**
Connecticut	27	137,866	403.2	—	—	—	9,729	152,377	223.1	9,756	152,337	223.5
Maine	—	—	—	—	—	—	1,045	150,839	177.9	1,045	150,839	177.9
Massachusetts	23	138,487	265.4	—	—	—	182	151,288	240.7	205	149,853	243.2
New Hampshire	24	137,800	383.0	—	—	—	2,591	153,364	212.2	2,615	153,222	213.6
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**765**	**138,768**	**362.1**	**3**	**142,900**	**374.1**	**24,758**	**150,772**	**243.4**	**25,624**	**150,352**	**247.4**
New Jersey	49	139,956	378.9	3	142,900	374.1	2,287	150,126	280.1	2,437	149,297	288.2
New York	19	132,999	347.4	—	—	—	18,457	150,589	236.4	18,477	150,571	236.5
Pennsylvania	696	138,845	361.3	—	—	—	4,013	151,982	254.5	4,709	150,039	269.1
East North Central	**2,279**	**137,831**	**408.1**	**2**	**141,428**	**221.7**	**2,306**	**152,025**	**268.3**	**4,586**	**144,969**	**334.4**
Illinois	321	138,508	401.9	—	—	—	450	151,018	307.8	771	145,807	345.0
Indiana	665	137,245	426.3	—	—	—	—	—	—	665	137,245	426.3
Michigan	509	137,660	411.8	2	141,428	221.7	1,856	152,270	258.8	2,367	149,118	289.2
Ohio	739	138,054	391.7	—	—	—	—	—	—	739	138,054	391.7
Wisconsin	44	139,970	413.7	—	—	—	—	—	—	44	139,970	413.7
West North Central	**562**	**138,435**	**412.3**	**—**	**—**	**—**	**177**	**157,323**	**212.0**	**738**	**142,955**	**359.5**
Iowa	159	139,341	398.8	—	—	—	—	—	—	159	139,341	398.8
Kansas	179	138,034	439.2	—	—	—	177	157,323	212.0	356	147,609	319.0
Minnesota	42	137,596	420.9	—	—	—	—	—	—	42	137,596	420.9
Missouri	116	138,034	381.5	—	—	—	—	—	—	116	138,034	381.5
Nebraska	15	137,673	431.5	—	—	—	—	—	—	15	137,673	431.5
North Dakota	50	138,876	417.2	—	—	—	—	—	—	50	138,876	417.2
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**2,789**	**138,703**	**400.7**	**401**	**143,496**	**339.7**	**65,815**	**152,113**	**243.3**	**69,006**	**151,520**	**249.7**
Delaware	114	138,632	392.0	—	—	—	1,957	151,718	236.0	2,071	150,999	243.9
District of Columbia	16	139,250	383.7	396	143,442	337.8	—	—	—	412	143,279	339.5
Florida	654	138,486	399.1	5	147,613	479.0	53,625	152,256	243.9	54,285	152,090	245.6
Georgia	575	138,495	389.6	—	—	—	—	—	—	575	138,495	389.6
Maryland	154	139,270	410.7	—	—	—	6,522	151,350	254.1	6,675	151,073	257.4
North Carolina	497	138,171	398.4	—	—	—	—	—	—	497	138,171	398.4
South Carolina	93	138,151	406.7	—	—	—	—	—	—	93	138,151	406.7
Virginia	314	139,775	350.8	—	—	—	3,711	151,582	220.4	4,024	150,662	229.9
West Virginia	372	139,114	463.6	—	—	—	—	—	—	374	139,102	463.5
East South Central	**801**	**139,645**	**382.9**	**—**	**—**	**—**	**4,916**	**158,211**	**152.1**	**5,717**	**155,611**	**181.1**
Alabama	170	139,143	326.0	—	—	—	—	—	—	170	139,143	326.0
Kentucky	212	139,505	431.9	—	—	—	—	—	—	212	139,505	431.9
Mississippi	67	140,025	317.3	—	—	—	4,916	158,211	152.1	4,982	157,968	154.1
Tennessee	352	139,900	393.3	—	—	—	—	—	—	352	139,900	393.3
West South Central	**360**	**139,197**	**416.1**	*****	**144,175**	**471.5**	**582**	**155,858**	**167.4**	**942**	**149,492**	**255.9**
Arkansas	109	140,807	329.3	—	—	—	—	—	—	109	140,807	329.3
Louisiana	54	139,504	647.4	*	144,175	471.5	582	155,858	167.4	636	154,471	204.2
Oklahoma	10	142,350	495.5	—	—	—	—	—	—	10	142,350	495.5
Texas	187	138,003	396.0	—	—	—	—	—	—	187	138,003	396.0
Mountain	**364**	**138,459**	**487.2**	**—**	**—**	**—**	**—**	**—**	**—**	**364**	**138,459**	**487.2**
Arizona	127	138,692	479.8	—	—	—	—	—	—	127	138,692	479.8
Colorado	7	135,379	543.8	—	—	—	—	—	—	7	135,379	543.8
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	20	140,100	491.0	—	—	—	—	—	—	20	140,100	491.0
Nevada	20	139,110	452.6	—	—	—	—	—	—	20	139,110	452.6
New Mexico	65	136,000	502.3	—	—	—	—	—	—	65	136,000	502.3
Utah	42	139,722	513.6	—	—	—	—	—	—	42	139,722	513.6
Wyoming	84	139,102	476.0	—	—	—	—	—	—	84	139,102	476.0
Pacific Contiguous	**65**	**140,747**	**413.2**	**—**	**—**	**—**	**—**	**—**	**—**	**65**	**140,747**	**413.2**
California	10	144,857	327.2	—	—	—	—	—	—	10	144,857	327.2
Oregon	42	140,000	414.1	—	—	—	—	—	—	42	140,000	414.1
Washington	13	140,000	478.8	—	—	—	—	—	—	13	140,000	478.8
Pacific Noncontiguous	**31**	**137,946**	**535.3**	**—**	**—**	**—**	**10,713**	**149,525**	**319.3**	**10,744**	**149,492**	**319.9**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	31	137,946	535.3	—	—	—	10,713	149,525	319.3	10,744	149,492	319.9
Total	**8,090**	**138,557**	**402.9**	**406**	**143,483**	**339.6**	**122,813**	**151,920**	**243.3**	**131,407**	**151,058**	**252.7**

[1] Blend of No. 2 Fuel Oil and No. 6 Fuel Oil.

* = Number less than 0.5

Notes: • Totals for New Jersey and the Middle Atlantic Census division include 99 thousand barrels of kerosene. • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu. • Cost = average delivered cost.

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

Table 10. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Division, and State, 1999

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost	
		(cents per MM Btu)	($ per bbl)		(cents per MM Btu)	($ per bbl)		(cents per MM Btu)	($ per bbl)
New England	**5**	**290.4**	**18.37**	**2,437**	**243.7**	**15.36**	**8,212**	**214.1**	**13.75**
Connecticut	—	—	—	2,185	248.8	15.70	7,544	215.8	13.87
Maine	—	—	—	252	199.1	12.43	435	183.8	11.69
Massachusetts	5	290.4	18.37	—	—	—	177	239.3	15.20
New Hampshire	—	—	—	—	—	—	55	149.6	9.57
Rhode Island	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**5,754**	**252.9**	**15.85**	**3,359**	**260.7**	**16.49**	**10,263**	**242.8**	**15.50**
New Jersey	1,545	265.3	16.64	209	329.0	20.56	536	303.8	19.48
New York	4,209	248.4	15.56	699	232.4	14.56	8,165	239.0	15.23
Pennsylvania	—	—	—	2,451	263.0	16.70	1,562	241.3	15.53
East North Central	**293**	**262.4**	**15.95**	**72**	**246.2**	**14.72**	**1,462**	**286.4**	**18.45**
Illinois	112	292.2	18.33	—	—	—	338	312.9	19.92
Indiana	—	—	—	—	—	—	—	—	—
Michigan	181	243.0	14.48	72	246.2	14.72	1,124	278.5	18.01
Ohio	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—
West North Central	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Iowa	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—	—
Minnesota	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—
South Atlantic	**270**	**277.1**	**17.79**	**484**	**266.3**	**16.95**	**31,973**	**261.0**	**16.60**
Delaware	—	—	—	131	273.1	17.36	1,826	233.3	14.87
District of Columbia	—	—	—	—	—	—	396	337.8	20.35
Florida	270	277.1	17.79	353	263.8	16.80	22,974	262.7	16.73
Georgia	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	5,825	255.8	16.24
North Carolina	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	953	274.4	17.44
West Virginia	—	—	—	—	—	—	—	—	—
East South Central	**—**	**—**	**—**	**473**	**143.3**	**9.48**	**12**	**167.9**	**11.20**
Alabama	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	473	143.3	9.48	12	167.9	11.20
Tennessee	—	—	—	—	—	—	—	—	—
West South Central	**2**	**209.6**	**13.50**	**—**	**—**	**—**	**140**	**194.4**	**12.60**
Arkansas	—	—	—	—	—	—	—	—	—
Louisiana	2	209.6	13.50	—	—	—	140	194.4	12.60
Oklahoma	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Arizona	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
California	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**142**	**254.8**	**15.99**	**10,570**	**320.2**	**20.11**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	142	254.8	15.99	10,570	320.2	20.11	—	—	—
Total	**6,466**	**254.4**	**15.94**	**17,396**	**291.1**	**18.34**	**52,062**	**250.5**	**15.98**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No. 2 Fuel Oil and kerosene have been omitted from this table.• MM Btu = million Btu.• Cost = average delivered cost.

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

Table 10. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Divison, and State, 1999 (Continued)

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			Heavy Oil Cost	
		Cost			Cost			Cost			
	Receipts (1,000 barrels)	(cents per MM Btu)	($ per bbl)	Receipts (1,000 barrels)	(cents per MM Btu)	($ per bbl)	Receipts (1,000 barrels)	(cents per MM Btu)	($ per bbl)	(cents per MM Btu)	($ per bbl)
New England	**2,893**	**206.5**	**13.29**	**—**	**—**	**—**	**—**	**—**	**—**	**217.8**	**13.94**
Connecticut	—	—	—	—	—	—	—	—	—	223.1	14.28
Maine	358	156.0	9.94	—	—	—	—	—	—	177.9	11.27
Massachusetts	—	—	—	—	—	—	—	—	—	240.7	15.29
New Hampshire	2,535	213.6	13.76	—	—	—	—	—	—	212.2	13.67
Rhode Island	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**5,384**	**223.7**	**14.10**	**—**	**—**	**—**	**—**	**—**	**—**	**243.4**	**15.41**
New Jersey	—	—	—	—	—	—	—	—	—	280.2	17.67
New York	5,384	223.7	14.10	—	—	—	—	—	—	236.4	14.95
Pennsylvania	—	—	—	—	—	—	—	—	—	254.5	16.24
East North Central	**481**	**220.0**	**14.19**	**—**	**—**	**—**	**—**	**—**	**—**	**268.3**	**17.13**
Illinois	—	—	—	—	—	—	—	—	—	307.8	19.52
Indiana	—	—	—	—	—	—	—	—	—	—	—
Michigan	481	220.0	14.19	—	—	—	—	—	—	258.8	16.55
Ohio	—	—	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—	—	—
West North Central	**177**	**212.0**	**14.01**	**—**	**—**	**—**	**—**	**—**	**—**	**212.0**	**14.01**
Iowa	—	—	—	—	—	—	—	—	—	—	—
Kansas	177	212.0	14.01	—	—	—	—	—	—	212.0	14.01
Minnesota	—	—	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**22,964**	**231.9**	**14.89**	**10,379**	**216.2**	**13.81**	**145**	**236.8**	**15.26**	**243.9**	**15.58**
Delaware	—	—	—	—	—	—	—	—	—	236.0	15.04
District of Columbia	—	—	—	—	—	—	—	—	—	337.8	20.35
Florida	19,509	235.9	15.16	10,379	216.2	13.81	145	236.8	15.26	243.9	15.60
Georgia	—	—	—	—	—	—	—	—	—	—	—
Maryland	697	239.9	15.41	—	—	—	—	—	—	254.1	16.15
North Carolina	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—
Virginia	2,758	201.8	12.86	—	—	—	—	—	—	220.4	14.03
West Virginia	—	—	—	—	—	—	—	—	—	—	—
East South Central	**—**	**—**	**—**	**4,431**	**153.0**	**10.17**	**—**	**—**	**—**	**152.1**	**10.11**
Alabama	—	—	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	4,431	153.0	10.17	—	—	—	152.1	10.11
Tennessee	—	—	—	—	—	—	—	—	—	—	—
West South Central	**441**	**159.0**	**10.44**	**—**	**—**	**—**	**—**	**—**	**—**	**167.5**	**10.97**
Arkansas	—	—	—	—	—	—	—	—	—	—	—
Louisiana	441	159.0	10.44	—	—	—	—	—	—	167.5	10.97
Oklahoma	—	—	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—	—	—
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Arizona	—	—	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
California	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**319.3**	**20.05**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	319.3	20.05
Total	**32,339**	**227.0**	**14.54**	**14,810**	**196.8**	**12.72**	**145**	**236.8**	**15.26**	**243.6**	**15.54**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No. 2 Fuel Oil and kerosene have been omitted from this table.• MM Btu = million Btu.• Cost = average delivered cost.

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

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Table 11. Receipts of Gas by Census Division and State, 1995-1999

(Thousand Mcf)

Census Division and State	1999	1998	1997	1996	1995
New England	**23,065**	**47,377**	**95,374**	**92,757**	**92,244**
Connecticut	14,093	10,396	13,738	10,327	19,277
Maine	—	—	—	—	—
Massachusetts	8,524	21,207	50,755	48,011	64,350
New Hampshire	196	—	302	—	2,564
Rhode Island	—	15,586	30,544	34,396	5,914
Vermont	252	187	34	24	138
Middle Atlantic	**209,381**	**226,248**	**236,208**	**168,075**	**300,502**
New Jersey	19,473	16,742	17,920	21,698	37,601
New York	180,131	204,700	215,276	139,848	239,247
Pennsylvania	9,778	4,807	3,012	6,529	23,654
East North Central	**89,494**	**102,818**	**79,833**	**56,337**	**79,583**
Illinois	34,497	51,887	44,986	24,354	38,666
Indiana	3,816	4,258	2,631	3,213	6,134
Michigan	43,686	40,813	28,208	25,972	28,540
Ohio	3,222	1,532	719	848	3,394
Wisconsin	4,273	4,328	3,289	1,951	2,848
West North Central	**45,268**	**43,200**	**29,509**	**27,345**	**41,390**
Iowa	3,958	3,154	2,748	2,751	2,484
Kansas	29,991	29,899	20,050	17,621	21,093
Minnesota	2,246	2,176	2,768	2,707	5,283
Missouri	7,402	5,984	2,889	3,128	10,650
Nebraska	1,671	1,981	1,053	1,135	1,752
North Dakota	*	1	1	2	1
South Dakota	—	5	—	2	127
South Atlantic	**335,459**	**285,398**	**310,596**	**314,620**	**369,271**
Delaware	21,859	11,148	15,997	23,165	27,012
District of Columbia	—	—	—	—	—
Florida	269,232	241,059	276,254	272,616	305,896
Georgia	10,684	10,682	3,074	2,619	3,196
Maryland	12,149	4,988	4,864	5,258	11,659
North Carolina	1,986	1,879	1,220	800	1,020
South Carolina	337	435	196	193	5,325
Virginia	18,807	14,859	8,619	9,543	14,656
West Virginia	405	348	372	426	506
East South Central	**76,294**	**56,595**	**49,081**	**63,790**	**89,399**
Alabama	2,174	1,731	1,194	1,443	2,412
Kentucky	875	805	576	616	428
Mississippi	73,245	54,059	47,311	61,732	86,559
Tennessee	—	—	—	—	—
West South Central	**1,676,039**	**1,712,041**	**1,445,739**	**1,441,962**	**1,524,483**
Arkansas	26,189	22,561	17,490	32,443	29,696
Louisiana	306,767	289,492	264,879	243,098	313,325
Oklahoma	160,569	177,976	133,617	133,520	150,892
Texas	1,182,513	1,222,012	1,029,752	1,032,900	1,030,570
Mountain	**162,672**	**134,733**	**111,722**	**91,680**	**96,760**
Arizona	48,136	35,888	22,010	17,685	17,954
Colorado	15,799	3,544	2,361	2,328	1,478
Idaho	—	—	—	—	—
Montana	373	199	103	155	123
Nevada	58,902	51,812	52,189	41,221	39,118
New Mexico	34,862	39,169	32,753	28,218	30,833
Utah	4,435	4,045	2,207	1,985	7,126
Wyoming	166	77	98	88	128
Pacific Contiguous	**171,352**	**295,660**	**385,685**	**329,657**	**411,515**
California	148,001	266,743	374,700	314,789	390,482
Oregon	23,351	28,915	10,969	14,832	21,026
Washington	—	2	15	36	8
Pacific Noncontiguous	**20,430**	**18,887**	**20,989**	**18,439**	**18,180**
Alaska	20,430	18,887	20,989	18,439	18,180
Hawaii	—	—	—	—	—
Total	**2,809,455**	**2,922,957**	**2,764,734**	**2,604,663**	**3,023,327**

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

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

Table 12. Average Delivered Cost of Gas by Census Division and State, 1995-1999

Census Division and State	1999	1998	1997	1996	1995	1999	1998	1997	1996	1995
	(cents per million Btu)					(dollars per Mcf)				
New England	**267.1**	**283.7**	**300.6**	**266.2**	**198.5**	**2.74**	**2.92**	**3.09**	**2.75**	**2.03**
Connecticut	267.3	236.9	242.1	270.7	197.8	2.74	2.44	2.47	2.76	2.01
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	265.3	273.8	301.0	296.2	200.6	2.72	2.82	3.11	3.07	2.06
New Hampshire	261.0	—	266.6	—	182.6	2.67	—	2.71	—	1.86
Rhode Island	—	328.5	326.4	222.6	184.9	—	3.38	3.35	2.29	1.90
Vermont	319.3	286.1	312.1	317.5	195.3	3.23	2.90	3.16	3.22	1.95
Middle Atlantic	**281.1**	**252.0**	**282.2**	**287.7**	**207.7**	**2.88**	**2.60**	**2.90**	**2.96**	**2.13**
New Jersey	298.9	262.0	295.1	289.8	211.8	3.08	2.74	3.06	2.96	2.18
New York	278.5	249.6	281.0	287.9	208.0	2.85	2.57	2.88	2.96	2.14
Pennsylvania	293.1	316.5	292.5	276.9	198.1	3.03	3.26	3.02	2.85	2.04
East North Central	**251.2**	**230.6**	**259.7**	**270.7**	**186.7**	**2.06**	**1.91**	**1.99**	**1.83**	**1.46**
Illinois	236.2	220.7	251.4	257.2	168.0	2.41	2.25	2.55	2.62	1.71
Indiana	289.3	280.5	316.3	341.2	244.1	2.97	2.88	3.23	3.48	2.49
Michigan	252.3	232.4	256.3	269.3	199.5	1.53	1.26	.80	.74	.73
Ohio	306.4	308.4	362.9	335.0	227.7	3.15	3.17	3.72	3.44	2.34
Wisconsin	290.5	264.1	314.7	300.6	220.7	2.93	2.68	3.17	3.04	2.23
West North Central	**249.5**	**224.1**	**267.8**	**241.2**	**171.7**	**2.51**	**2.25**	**2.64**	**2.38**	**1.70**
Iowa	313.7	305.9	339.8	322.4	271.0	3.15	3.07	3.41	3.23	2.72
Kansas	234.1	213.7	258.4	231.8	161.0	2.36	2.14	2.53	2.26	1.58
Minnesota	266.3	233.8	243.6	216.9	176.1	2.69	2.36	2.45	2.18	1.77
Missouri	265.6	223.4	279.4	255.2	168.1	2.66	2.26	2.81	2.58	1.69
Nebraska	281.1	242.7	287.1	206.1	165.8	2.80	2.40	2.86	2.07	1.66
North Dakota	404.0	369.3	322.0	276.6	349.4	4.21	3.88	3.43	2.93	3.73
South Dakota	—	176.7	—	233.0	157.8	—	1.77	—	2.36	1.58
South Atlantic	**296.6**	**279.3**	**302.9**	**307.9**	**224.8**	**3.08**	**2.93**	**3.16**	**3.12**	**2.28**
Delaware	303.3	297.7	304.7	302.5	227.2	2.98	2.89	3.15	3.13	2.35
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	297.2	276.2	304.3	309.7	223.6	3.10	2.91	3.18	3.12	2.26
Georgia	248.9	316.0	265.5	281.3	272.1	2.57	3.25	2.72	2.88	2.79
Maryland	307.6	263.2	285.3	298.6	215.7	3.20	2.75	2.97	3.11	2.24
North Carolina	283.3	267.9	310.7	300.5	232.8	2.92	2.81	3.22	3.11	2.40
South Carolina	347.3	353.4	397.6	445.4	160.3	3.57	3.62	4.07	4.56	1.64
Virginia	299.7	295.4	274.0	281.6	259.1	3.17	3.10	2.93	2.98	2.67
West Virginia	299.8	351.4	335.1	299.0	357.6	3.00	3.51	3.35	2.99	3.58
East South Central	**245.2**	**224.5**	**263.4**	**269.0**	**172.3**	**2.52**	**2.33**	**2.73**	**2.79**	**1.79**
Alabama	295.1	247.5	277.2	287.6	197.7	2.98	2.59	2.86	2.95	2.01
Kentucky	340.4	331.9	337.3	341.3	294.1	3.49	3.40	3.45	3.49	3.01
Mississippi	242.6	222.1	262.2	267.9	171.0	2.49	2.31	2.72	2.78	1.78
Tennessee	—	—	—	—	—	—	—	—	—	—
West South Central	**249.0**	**227.0**	**266.7**	**255.9**	**190.5**	**2.55**	**2.33**	**2.74**	**2.63**	**1.96**
Arkansas	253.0	224.0	261.9	246.6	169.7	2.59	2.29	2.70	2.52	1.74
Louisiana	249.0	227.4	269.3	281.6	180.6	2.59	2.37	2.79	2.94	1.88
Oklahoma	271.7	241.2	287.8	290.1	226.5	2.79	2.48	2.97	2.98	2.34
Texas	245.8	224.9	263.3	245.6	188.9	2.51	2.30	2.69	2.51	1.93
Mountain	**247.5**	**230.8**	**245.5**	**231.0**	**168.5**	**2.53**	**2.36**	**2.51**	**2.36**	**1.73**
Arizona	264.3	239.1	294.4	298.2	172.9	2.67	2.42	2.99	3.03	1.77
Colorado	256.9	300.3	317.5	209.8	173.0	2.65	2.98	3.16	2.09	1.74
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	184.5	191.8	1348.5	269.3	358.1	2.02	2.06	14.45	2.90	3.84
Nevada	242.3	230.2	211.9	206.0	165.8	2.51	2.38	2.18	2.12	1.71
New Mexico	228.2	220.0	259.2	227.9	154.5	2.31	2.22	2.64	2.31	1.57
Utah	253.8	202.5	203.0	179.0	214.5	2.65	2.11	2.09	1.83	2.26
Wyoming	372.3	796.0	875.9	1211.2	797.8	3.89	8.31	9.12	12.59	8.32
Pacific Contiguous	**261.8**	**257.5**	**298.0**	**261.9**	**217.7**	**2.65**	**2.63**	**3.04**	**2.68**	**2.23**
California	272.5	268.6	302.2	267.9	222.3	2.76	2.74	3.08	2.75	2.28
Oregon	193.6	154.1	147.6	132.2	129.8	1.96	1.56	1.49	1.33	1.31
Washington	—	325.9	4519.5	474.7	438.2	—	3.44	47.38	4.98	4.60
Pacific Noncontiguous	**159.3**	**179.8**	**174.0**	**144.6**	**128.6**	**1.59**	**1.80**	**1.74**	**1.45**	**1.29**
Alaska	159.3	179.8	174.0	144.6	128.6	1.59	1.80	1.74	1.45	1.29
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**257.4**	**238.1**	**276.0**	**264.1**	**198.4**	**2.62**	**2.43**	**2.81**	**2.69**	**2.02**

Notes: • Totals may not equal sum of components because of independent rounding. • The cost of gas for Montana, Washington, and Wyoming change considerably from year to year due to the low volume of gas received and varying amounts of fixed costs that must be allocated to the gas. These costs may not be representative of the cost of natural gas in these States.• Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

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

Table 13. Receipts and Average Delivered Cost of Gas by Type of Purchase, Census Division and State, 1999

Census Division and State	Type of Purchase											
	Firm			Interruptible			Spot			Total		
		Cost			Cost			Cost			Cost	
	Receipts (1,000 Mcf)	(cents per MM Btu)	($ per Mcf)	Receipts (1,000 Mcf)	(cents per MM Btu)	($ per Mcf)	Receipts (1,000 Mcf)	(cents per MM Btu)	($ per Mcf)	Receipts (1,000 Mcf)	(cents per MM Btu)	($ per Mcf)
New England	**—**	**—**	**—**	**21,717**	**265.0**	**2.72**	**1,348**	**300.7**	**3.08**	**23,065**	**267.1**	**2.74**
Connecticut	—	—	—	14,093	267.3	2.74	—	—	—	14,093	267.3	2.74
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	—	—	—	7,428	260.7	2.68	1,096	296.5	3.04	8,524	265.3	2.72
New Hampshire	—	—	—	196	261.0	2.67	—	—	—	196	261.0	2.67
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	252	319.3	3.23	252	319.3	3.23
Middle Atlantic	**14,659**	**381.3**	**3.90**	**109,149**	**266.3**	**2.74**	**85,573**	**283.1**	**2.89**	**209,381**	**281.1**	**2.88**
New Jersey	—	—	—	19,058	298.7	3.08	414	309.7	3.21	19,473	298.9	3.08
New York	11,736	412.1	4.20	89,400	258.6	2.66	78,994	281.4	2.87	180,131	278.5	2.85
Pennsylvania	2,923	259.1	2.67	691	354.3	3.67	6,164	302.4	3.13	9,778	293.1	3.03
East North Central	**3,778**	**250.2**	**2.54**	**46,810**	**260.9**	**1.66**	**38,906**	**244.0**	**2.49**	**89,494**	**251.2**	**2.06**
Illinois	1,516	258.2	2.65	1,976	255.2	2.62	31,006	233.9	2.39	34,497	236.2	2.41
Indiana	—	—	—	3,816	289.3	2.97	—	—	—	3,816	289.3	2.97
Michigan	1,816	237.8	2.39	37,012	249.7	1.34	4,858	268.4	2.68	43,686	252.3	1.53
Ohio	412	270.5	2.77	12	438.7	4.39	2,798	311.1	3.20	3,222	306.4	3.15
Wisconsin	35	298.5	3.03	3,995	291.4	2.94	244	275.3	2.77	4,273	290.5	2.93
West North Central	**2,066**	**280.2**	**2.79**	**36,785**	**242.4**	**2.45**	**6,417**	**280.4**	**2.80**	**45,268**	**249.5**	**2.51**
Iowa	337	344.4	3.47	2,322	305.6	3.07	1,299	320.3	3.20	3,958	313.7	3.15
Kansas	1,041	271.1	2.67	26,552	229.2	2.32	2,398	273.4	2.74	29,991	234.1	2.36
Minnesota	5	324.1	3.34	1,224	272.1	2.77	1,017	258.8	2.59	2,246	266.3	2.69
Missouri	—	—	—	5,699	263.4	2.65	1,703	272.8	2.72	7,402	265.6	2.66
Nebraska	682	261.7	2.62	989	294.7	2.92	—	—	—	1,671	281.1	2.80
North Dakota	—	—	—	*	404.0	4.21	—	—	—	*	404.0	4.21
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**253,322**	**300.5**	**3.12**	**60,110**	**279.0**	**2.90**	**22,027**	**298.9**	**3.15**	**335,459**	**296.6**	**3.08**
Delaware	21,859	303.3	2.98	—	—	—	—	—	—	21,859	303.3	2.98
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	231,342	300.4	3.14	34,535	277.1	2.89	3,354	287.9	3.03	269,232	297.2	3.10
Georgia	—	—	—	10,684	248.9	2.57	—	—	—	10,684	248.9	2.57
Maryland	—	—	—	12,149	307.6	3.20	—	—	—	12,149	307.6	3.20
North Carolina	—	—	—	1,986	283.3	2.92	—	—	—	1,986	283.3	2.92
South Carolina	—	—	—	337	347.3	3.57	—	—	—	337	347.3	3.57
Virginia	120	131.1	1.42	14	126.9	1.32	18,673	300.9	3.18	18,807	299.7	3.17
West Virginia	—	—	—	405	299.8	3.00	—	—	—	405	299.8	3.00
East South Central	**4,484**	**229.5**	**2.36**	**6,905**	**250.1**	**2.57**	**64,905**	**245.8**	**2.52**	**76,294**	**245.2**	**2.52**
Alabama	—	—	—	2,174	295.1	2.98	—	—	—	2,174	295.1	2.98
Kentucky	—	—	—	—	—	—	875	340.4	3.49	875	340.4	3.49
Mississippi	4,484	229.5	2.36	4,730	229.8	2.38	64,030	244.5	2.51	73,245	242.6	2.49
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**786,701**	**256.4**	**2.62**	**74,453**	**228.2**	**2.35**	**814,885**	**243.8**	**2.50**	**1,676,039**	**249.0**	**2.55**
Arkansas	—	—	—	—	—	—	26,189	253.0	2.59	26,189	253.0	2.59
Louisiana	82,948	256.4	2.68	40,574	234.1	2.44	183,245	249.0	2.58	306,767	249.0	2.59
Oklahoma	97,212	287.0	2.96	175	246.7	2.47	63,182	248.0	2.53	160,569	271.7	2.79
Texas	606,541	251.4	2.56	33,703	220.8	2.23	542,269	241.1	2.46	1,182,513	245.8	2.51
Mountain	**49,409**	**254.4**	**2.59**	**69,071**	**248.3**	**2.54**	**44,191**	**238.6**	**2.46**	**162,672**	**247.5**	**2.53**
Arizona	22,329	266.3	2.69	17,441	258.9	2.61	8,366	270.3	2.75	48,136	264.3	2.67
Colorado	15,716	257.5	2.66	—	—	—	83	138.0	1.36	15,799	256.9	2.65
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	333	170.3	1.84	40	293.7	3.48	—	—	—	373	184.5	2.02
Nevada	—	—	—	27,594	258.0	2.68	31,307	228.3	2.36	58,902	242.3	2.51
New Mexico	10,865	226.4	2.30	23,996	229.1	2.32	—	—	—	34,862	228.2	2.31
Utah	—	—	—	—	—	—	4,435	253.8	2.65	4,435	253.8	2.65
Wyoming	166	372.3	3.89	—	—	—	—	—	—	166	372.3	3.89
Pacific Contiguous	**7,505**	**243.3**	**2.44**	**21,950**	**284.7**	**2.88**	**141,897**	**259.2**	**2.62**	**171,352**	**261.8**	**2.65**
California	7,287	245.9	2.47	21,950	284.7	2.88	118,764	271.9	2.75	148,001	272.5	2.76
Oregon	219	156.9	1.59	—	—	—	23,132	194.0	1.96	23,351	193.6	1.96
Washington	—	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**20,430**	**159.3**	**1.59**	**—**	**—**	**—**	**—**	**—**	**—**	**20,430**	**159.3**	**1.59**
Alaska	20,430	159.3	1.59	—	—	—	—	—	—	20,430	159.3	1.59
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**1,142,355**	**265.9**	**2.73**	**446,950**	**256.8**	**2.53**	**1,220,149**	**249.5**	**2.55**	**2,809,455**	**257.4**	**2.62**

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.• MM Btu = million Btu.• Cost = average delivered cost.

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

Table 14. Receipts and Average Delivered Cost of Gas by Type, Census Division, and State, 1999

Census Division and State	Receipts by Type											
	Natural Gas			Blast Furnace/ Coke Oven Gas			Refinery Gas			Total Gas		
	Receipts (1,000 Mcf)	Heat Value (Btu per cf)	Cost (cents per MM Btu)	Receipts (1,000 Mcf)	Heat Value (Btu per cf)	Cost (cents per MM Btu)	Receipts (1,000 Mcf)	Heat Value (Btu per cf)	Cost (cents per MM Btu)	Receipts (1,000 Mcf)	Heat Value (Btu per cf)	Cost (cents per MM Btu)
New England	**23,065**	**1,025**	**267.1**	**—**	**—**	**—**	**—**	**—**	**—**	**23,065**	**1,025**	**267.1**
Connecticut	14,093	1,025	267.3	—	—	—	—	—	—	14,093	1,025	267.3
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	8,524	1,026	265.3	—	—	—	—	—	—	8,524	1,026	265.3
New Hampshire	196	1,024	261.0	—	—	—	—	—	—	196	1,024	261.0
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	252	1,012	319.3	—	—	—	—	—	—	252	1,012	319.3
Middle Atlantic	**209,381**	**1,025**	**281.1**	**—**	**—**	**—**	**—**	**—**	**—**	**209,381**	**1,025**	**281.1**
New Jersey	19,473	1,031	298.9	—	—	—	—	—	—	19,473	1,031	298.9
New York	180,131	1,024	278.5	—	—	—	—	—	—	180,131	1,024	278.5
Pennsylvania	9,778	1,033	293.1	—	—	—	—	—	—	9,778	1,033	293.1
East North Central	**69,610**	**1,017**	**256.9**	**19,884**	**127**	**90.5**	**—**	**—**	**—**	**89,494**	**820**	**251.2**
Illinois	34,497	1,022	236.2	—	—	—	—	—	—	34,497	1,022	236.2
Indiana	3,816	1,026	289.3	—	—	—	—	—	—	3,816	1,026	289.3
Michigan	23,802	1,009	269.3	19,884	127	90.5	—	—	—	43,686	608	252.3
Ohio	3,222	1,028	306.4	—	—	—	—	—	—	3,222	1,028	306.4
Wisconsin	4,273	1,010	290.5	—	—	—	—	—	—	4,273	1,010	290.5
West North Central	**45,268**	**1,008**	**249.5**	**—**	**—**	**—**	**—**	**—**	**—**	**45,268**	**1,008**	**249.5**
Iowa	3,958	1,004	313.7	—	—	—	—	—	—	3,958	1,004	313.7
Kansas	29,991	1,010	234.1	—	—	—	—	—	—	29,991	1,010	234.1
Minnesota	2,246	1,011	266.3	—	—	—	—	—	—	2,246	1,011	266.3
Missouri	7,402	1,003	265.6	—	—	—	—	—	—	7,402	1,003	265.6
Nebraska	1,671	995	281.1	—	—	—	—	—	—	1,671	995	281.1
North Dakota	*	1,042	404.0	—	—	—	—	—	—	*	1,042	404.0
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**335,164**	**1,040**	**296.7**	**—**	**—**	**—**	**295**	**1,116**	**129.7**	**335,459**	**1,040**	**296.6**
Delaware	21,859	983	303.3	—	—	—	—	—	—	21,859	983	303.3
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	269,232	1,044	297.2	—	—	—	—	—	—	269,232	1,044	297.2
Georgia	10,684	1,032	248.9	—	—	—	—	—	—	10,684	1,032	248.9
Maryland	12,149	1,040	307.6	—	—	—	—	—	—	12,149	1,040	307.6
North Carolina	1,986	1,031	283.3	—	—	—	—	—	—	1,986	1,031	283.3
South Carolina	337	1,028	347.3	—	—	—	—	—	—	337	1,028	347.3
Virginia	18,512	1,055	302.5	—	—	—	295	1,116	129.7	18,807	1,056	299.7
West Virginia	405	1,000	299.8	—	—	—	—	—	—	405	1,000	299.8
East South Central	**76,294**	**1,027**	**245.2**	**—**	**—**	**—**	**—**	**—**	**—**	**76,294**	**1,027**	**245.2**
Alabama	2,174	1,011	295.1	—	—	—	—	—	—	2,174	1,011	295.1
Kentucky	875	1,025	340.4	—	—	—	—	—	—	875	1,025	340.4
Mississippi	73,245	1,027	242.6	—	—	—	—	—	—	73,245	1,027	242.6
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**1,676,039**	**1,025**	**249.0**	**—**	**—**	**—**	**—**	**—**	**—**	**1,676,039**	**1,025**	**249.0**
Arkansas	26,189	1,022	253.0	—	—	—	—	—	—	26,189	1,022	253.0
Louisiana	306,767	1,039	249.0	—	—	—	—	—	—	306,767	1,039	249.0
Oklahoma	160,569	1,028	271.7	—	—	—	—	—	—	160,569	1,028	271.7
Texas	1,182,513	1,021	245.8	—	—	—	—	—	—	1,182,513	1,021	245.8
Mountain	**162,666**	**1,024**	**247.5**	**—**	**—**	**—**	**6**	**1,190**	**304.9**	**162,672**	**1,024**	**247.5**
Arizona	48,136	1,011	264.3	—	—	—	—	—	—	48,136	1,011	264.3
Colorado	15,799	1,032	256.9	—	—	—	—	—	—	15,799	1,032	256.9
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	367	1,091	182.3	—	—	—	6	1,190	304.9	373	1,092	184.5
Nevada	58,902	1,037	242.3	—	—	—	—	—	—	58,902	1,037	242.3
New Mexico	34,862	1,013	228.2	—	—	—	—	—	—	34,862	1,013	228.2
Utah	4,435	1,043	253.8	—	—	—	—	—	—	4,435	1,043	253.8
Wyoming	166	1,044	372.3	—	—	—	—	—	—	166	1,044	372.3
Pacific Contiguous	**171,352**	**1,012**	**261.8**	**—**	**—**	**—**	**—**	**—**	**—**	**171,352**	**1,012**	**261.8**
California	148,001	1,012	272.5	—	—	—	—	—	—	148,001	1,012	272.5
Oregon	23,351	1,012	193.6	—	—	—	—	—	—	23,351	1,012	193.6
Washington	—	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**20,430**	**1,000**	**159.3**	**—**	**—**	**—**	**—**	**—**	**—**	**20,430**	**1,000**	**159.3**
Alaska	20,430	1,000	159.3	—	—	—	—	—	—	20,430	1,000	159.3
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**2,789,270**	**1,025**	**257.5**	**19,884**	**127**	**90.5**	**301**	**1,117**	**133.5**	**2,809,455**	**1,019**	**257.4**

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet. • cf = cubic foot. • MM Btu = million Btu. • Cost = average delivered cost.

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

Table 15. Total Heating Value and Cost of Fossil Fuels by Census Division and State, 1999

Census Division and State	Total Btu (billions)				% of Total Btu			Avg. Delivered Cost (cents per MM Btu)		
	Total	Coal	Petroleum	Gas	Coal	Petro-leum	Gas	Coal	Petro-leum	Gas
New England	**157,198**	**46,395**	**87,159**	**23,644**	**29.5**	**55.4**	**15.0**	**156.8**	**218.4**	**267.1**
Connecticut	77,808	948	62,419	14,441	1.2	80.2	18.6	169.3	223.5	267.3
Maine	6,621	—	6,621	—	—	100.0	—	—	177.9	—
Massachusetts	20,410	10,370	1,293	8,747	50.8	6.3	42.9	173.4	243.2	265.3
New Hampshire	52,104	35,077	16,826	201	67.3	32.3	.4	151.5	213.6	261.0
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	255	—	—	255	—	—	100.0	—	—	319.3
Middle Atlantic	**1,402,004**	**1,025,580**	**161,808**	**214,616**	**73.2**	**11.5**	**15.3**	**132.5**	**247.4**	**281.1**
New Jersey	103,662	68,305	15,283	20,074	65.9	14.7	19.4	145.4	288.2	298.9
New York	406,770	105,484	116,848	184,438	25.9	28.7	45.3	144.9	236.5	278.5
Pennsylvania	891,572	851,792	29,677	10,103	95.5	3.3	1.1	129.9	269.1	293.1
East North Central	**4,365,455**	**4,264,177**	**27,924**	**73,354**	**97.7**	**.6**	**1.7**	**125.9**	**334.4**	**251.2**
Illinois	732,955	692,973	4,722	35,261	94.5	.6	4.8	143.7	345.0	236.2
Indiana	1,216,991	1,209,245	3,832	3,914	99.4	.3	.3	111.0	426.3	289.3
Michigan	739,393	698,017	14,823	26,553	94.4	2.0	3.6	130.6	289.2	252.3
Ohio	1,236,763	1,229,165	4,287	3,311	99.4	.3	.3	136.2	391.7	306.4
Wisconsin	439,352	434,777	259	4,316	99.0	.1	1.0	102.3	413.7	290.5
West North Central	**2,282,825**	**2,232,780**	**4,433**	**45,612**	**97.8**	**.2**	**2.0**	**87.3**	**359.5**	**249.5**
Iowa	373,450	368,549	928	3,973	98.7	.2	1.1	82.1	398.8	313.7
Kansas	369,894	337,405	2,207	30,282	91.2	.6	8.2	95.4	319.0	234.1
Minnesota	296,713	294,199	245	2,270	99.2	.1	.8	109.6	420.9	266.3
Missouri	678,954	670,858	673	7,424	98.8	.1	1.1	92.6	381.5	265.6
Nebraska	205,206	203,455	89	1,662	99.1	*	.8	55.4	431.5	281.1
North Dakota	323,070	322,777	292	*	99.9	.1	*	73.0	417.2	404.0
South Dakota	35,537	35,537	—	—	100.0	—	—	93.6	—	—
South Atlantic[1]	**4,740,993**	**3,952,950**	**439,146**	**348,896**	**83.4**	**9.3**	**7.4**	**141.3**	**249.7**	**296.6**
Delaware	65,779	31,148	13,133	21,498	47.4	20.0	32.7	158.9	243.9	303.3
District of Columbia	2,479	—	2,479	—	—	100.0	—	—	339.5	—
Florida[1]	1,274,926	647,098	346,760	281,068	50.8	27.2	22.0	159.4	245.6	297.2
Georgia	796,136	781,761	3,347	11,028	98.2	.4	1.4	154.6	389.6	248.9
Maryland	343,426	288,434	42,355	12,638	84.0	12.3	3.7	137.9	257.4	307.6
North Carolina	641,762	636,831	2,885	2,047	99.2	.4	.3	143.8	398.4	283.3
South Carolina	330,769	329,884	538	346	99.7	.2	.1	141.6	406.7	347.3
Virginia	373,836	328,505	25,465	19,866	87.9	6.8	5.3	134.3	229.9	299.7
West Virginia	911,878	909,291	2,182	405	99.7	.2	*	118.2	463.5	299.8
East South Central[1]	**2,381,389**	**2,265,699**	**37,362**	**78,328**	**95.1**	**1.6**	**3.3**	**123.2**	**181.1**	**245.2**
Alabama[1]	665,159	661,966	995	2,197	99.5	.1	.3	147.6	326.0	295.1
Kentucky[1]	822,975	820,837	1,241	897	99.7	.2	.1	105.8	431.9	340.4
Mississippi	250,405	142,115	33,057	75,234	56.8	13.2	30.0	155.2	154.1	242.6
Tennessee[1]	642,850	640,781	2,069	—	99.7	.3	—	113.1	393.3	—
West South Central	**4,095,017**	**2,371,791**	**5,916**	**1,717,309**	**57.9**	**.1**	**41.9**	**120.4**	**255.9**	**249.0**
Arkansas	293,956	266,542	643	26,771	90.7	.2	9.1	145.6	329.3	253.0
Louisiana	548,679	225,809	4,128	318,742	41.2	.8	58.1	139.8	204.2	249.0
Oklahoma	527,062	362,009	60	164,993	68.7	*	31.3	91.2	495.5	271.7
Texas	2,725,320	1,517,431	1,085	1,206,804	55.7	*	44.3	120.0	396.0	245.8
Mountain	**2,358,393**	**2,189,755**	**2,116**	**166,522**	**92.8**	**.1**	**7.1**	**106.1**	**487.2**	**247.5**
Arizona	453,755	404,367	738	48,650	89.1	.2	10.7	132.7	479.8	264.3
Colorado	374,881	358,537	41	16,303	95.6	*	4.3	98.5	543.8	256.9
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	176,265	175,740	118	407	99.7	.1	.2	72.7	491.0	184.5
Nevada	242,963	181,794	114	61,054	74.8	*	25.1	129.4	452.6	242.3
New Mexico	328,986	293,308	371	35,307	89.2	.1	10.7	132.9	502.3	228.2
Utah	334,728	329,855	245	4,627	98.5	.1	1.4	103.1	513.6	253.8
Wyoming	446,816	446,154	489	173	99.9	.1	*	76.2	476.0	372.3
Pacific Contiguous	**305,681**	**131,923**	**384**	**173,374**	**43.2**	**.1**	**56.7**	**140.8**	**413.2**	**261.8**
California	149,800	—	61	149,739	—	*	100.0	—	327.2	272.5
Oregon	65,571	41,689	247	23,635	63.6	.4	36.0	107.9	414.1	193.6
Washington	90,311	90,234	76	—	99.9	.1	—	156.0	478.8	—
Pacific Noncontiguous	**87,886**	**—**	**67,458**	**20,429**	**—**	**76.8**	**23.2**	**—**	**319.9**	**159.3**
Alaska	20,429	—	—	20,429	—	—	100.0	—	—	159.3
Hawaii	67,458	—	67,458	—	—	100.0	—	—	319.9	—
Total	**22,176,841**	**18,481,051**	**833,706**	**2,862,084**	**83.3**	**3.8**	**12.9**	**121.7**	**252.7**	**257.4**

[1] The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States and their respective Census Divisions. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

* = Number less than 0.5 billion Btu or 0.05 percent.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Origin and Destination of Coal

Table 16. Origin of Coal by State, 1999

State of Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama	13,214	12,145	1.04	0.86	12.65	177.5	43.11
Arizona	12,622	10,955	.51	.47	9.57	121.6	26.65
Colorado	24,124	11,035	.46	.42	8.54	125.4	27.67
Illinois	34,416	11,493	2.13	1.86	8.56	130.9	30.08
Indiana	31,132	11,112	2.33	2.10	9.16	106.7	23.72
Kansas	402	10,949	4.05	3.70	19.57	103.9	22.76
Kentucky	108,384	12,325	1.56	1.26	10.50	133.3	32.86
Louisiana	2,810	6,963	.92	1.32	12.49	133.7	18.62
Maryland	3,139	12,308	1.85	1.50	15.37	110.4	27.19
Missouri	196	10,996	3.52	3.20	15.63	122.6	26.96
Montana	36,464	9,004	.53	.59	6.84	114.7	20.66
New Mexico	27,144	9,397	.70	.75	19.83	137.7	25.89
North Dakota	24,649	6,547	.75	1.15	9.39	73.0	9.56
Ohio	20,464	11,818	3.50	2.96	10.74	140.7	33.27
Oklahoma	193	12,694	3.67	2.89	10.23	109.5	27.81
Pennsylvania	45,215	12,812	1.86	1.45	9.74	123.8	31.73
Tennessee	1,990	12,503	1.19	.95	10.83	131.8	32.96
Texas	49,750	6,347	.97	1.53	16.66	100.4	12.74
Utah	18,469	11,765	.47	.40	9.53	106.6	25.07
Virginia	19,739	12,875	1.00	.78	9.73	142.9	36.80
Washington	3,984	7,803	.90	1.16	15.05	171.0	26.68
West Virginia	103,634	12,375	1.47	1.19	11.41	135.5	33.55
Wyoming	321,127	8,658	.33	.38	5.33	107.3	18.59
Subtotal	**903,262**	**10,165**	**1.01**	**.99**	**9.03**	**121.5**	**24.70**
Imported[1]	4,969	11,906	.57	.48	5.57	148.6	35.39
Total	**908,232**	**10,174**	**1.01**	**.99**	**9.01**	**121.7**	**24.76**

[1] Imported includes coal from Australia, Colombia, Indonesia, Poland, and Venezuela.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.

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

Table 17. Receipts of Lignite by Electric Utility, 1999

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Basin Electric Power Coop	9,028	6,622	0.68	1.03	8.36	71.9	9.53
Central Louisiana Elec Co Inc	2,810	6,963	.92	1.32	12.49	133.7	18.62
Coop Power Assn	7,150	6,189	.66	1.06	11.34	81.3	10.06
Houston Lighting & Power Co	8,938	6,592	1.05	1.59	17.06	102.9	13.56
Minnkota Power Coop Inc	4,468	6,641	.89	1.34	8.92	58.2	7.73
Montana-Dakota Utilities Co	3,157	6,972	1.00	1.43	8.34	81.6	11.37
San Miguel Electric Coop Inc	3,086	5,271	1.76	3.34	26.86	72.3	7.62
Southwestern Electric Power Co	3,627	6,583	1.17	1.78	14.34	110.2	14.51
Texas-New Mexico Power Co	1,640	6,771	.91	1.34	18.14	143.3	19.41
Texas Utilities Electric Co	32,460	6,334	.85	1.34	15.76	98.4	12.47
United Power Assn	1,062	6,703	.67	.99	9.83	69.7	9.35
Total	**77,425**	**6,434**	**.90**	**1.39**	**14.17**	**92.8**	**11.94**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • This table includes all lignite mined in the continental United States and reported on FERC Form 423. • MM Btu = million Btu.

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

Table 18. Receipts, Quality, and Average Delivered Cost of Imported Coal, 1995-1999

Electric Utility Country of Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
1999	**4,969**	**11,906**	**0.57**	**0.48**	**5.6**	**148.6**	**35.39**
Alabama Electric Coop Inc	**291**	**11,513**	**.54**	**.47**	**4.4**	**139.8**	**32.19**
Colombia	**291**	**11,513**	**.54**	**.47**	**4.4**	**139.8**	**32.19**
Alabama Power Co	**262**	**11,783**	**.55**	**.46**	**3.36**	**185.1**	**43.62**
Colombia	**262**	**11,783**	**.55**	**.46**	**3.4**	**185.1**	**43.62**
Baltimore Gas & Electric Co	**29**	**12,003**	**.68**	**.57**	**6.00**	**131.5**	**31.57**
Colombia	29	12,003	.68	.57	6.00	131.5	31.57
Central Hudson Gas & Elec Corp	**626**	**12,890**	**.65**	**.50**	**6.43**	**160.2**	**41.30**
Colombia	36	13,277	.62	.47	7.27	161.8	42.96
Venezuela	589	12,866	.65	.51	6.38	160.1	41.19
Florida Power Corp	**99**	**12,867**	**.70**	**.55**	**5.99**	**173.4**	**44.63**
Venezuela	99	12,867	.70	.55	5.99	173.4	44.63
Gulf Power Co[1]	**310**	**12,483**	**.64**	**.51**	**5.97**	**148.2**	**37.00**
Colombia	67	11,871	.54	.45	3.68	153.4	36.41
Venezuela	243	12,652	.67	.53	6.60	146.9	37.16
Jacksonville Electric Auth	**1,083**	**11,791**	**.66**	**.56**	**7.51**	**145.7**	**34.35**
Australia	63	11,506	.67	.58	11.80	124.2	28.58
Colombia	1,020	11,808	.66	.56	7.24	146.9	34.70
Lakeland City of	**32**	**11,570**	**.71**	**.61**	**4.50**	**168.1**	**38.90**
Colombia	32	11,570	.71	.61	4.50	168.1	38.90
Mississippi Power Co	**717**	**11,706**	**.43**	**.37**	**4.24**	**145.6**	**34.09**
Colombia	701	11,696	.43	.36	4.16	145.7	34.07
Venezuela	16	12,165	.75	.62	7.60	142.5	34.67
Public Service Co of NH	**507**	**12,990**	**.67**	**.52**	**5.53**	**142.6**	**37.05**
Venezuela	507	12,990	.67	.52	5.53	142.6	37.05
Savannah Electric & Power Co	**434**	**12,535**	**.75**	**.60**	**7.24**	**139.2**	**34.91**
Venezuela	434	12,535	.75	.60	7.24	139.2	34.91
Tampa Electric Co	**539**	**9,400**	**.14**	**.14**	**2.61**	**135.4**	**25.46**
Venezuela	151	9,373	.18	.19	6.70	146.6	27.47
Indonesia	388	9,410	.12	.13	1.02	131.1	24.68
United Illuminating Co	**35**	**13,541**	**.61**	**.45**	**4.85**	**169.3**	**45.85**
Venezuela	35	13,541	.61	.45	4.85	169.3	45.85
Vineland City of	**5**	**12,842**	**.78**	**.61**	**6.21**	**193.0**	**49.57**
Poland	4	12,842	.78	.61	6.21	193.0	49.57
Venezuela	1	12,842	.78	.61	6.21	193.0	49.57
1998	**5,845**	**11,967**	**.61**	**.51**	**5.67**	**155.6**	**37.24**
Cajun Electric Power Coop Inc	**303**	**9,485**	**.09**	**.09**	**.86**	**187.6**	**35.58**
Indonesia	303	9,485	.09	.09	.86	187.6	35.58
Central Hudson Gas & Elec Corp	**594**	**13,070**	**.63**	**.48**	**7.08**	**167.3**	**43.72**
Colombia	35	13,309	.62	.47	7.38	169.8	45.20
Venezuela	559	13,055	.63	.48	7.06	167.1	43.63
Central Power & Light Co	**103**	**12,588**	**.69**	**.55**	**7.68**	**168.5**	**42.42**
Colombia	60	12,760	.66	.52	6.60	171.0	43.65
Venezuela	42	12,344	.73	.59	9.20	164.8	40.69
Florida Power Corp	**80**	**12,968**	**.73**	**.56**	**5.67**	**166.9**	**43.30**
Venezuela	80	12,968	.73	.56	5.67	166.9	43.30
Gulf Power Co[1]	**434**	**12,415**	**.69**	**.56**	**5.64**	**149.6**	**37.13**
Colombia	321	12,349	.65	.53	5.25	150.4	37.15
Venezuela	112	12,602	.81	.64	6.74	147.2	37.10
Jacksonville Electric Auth	**1,588**	**11,821**	**.66**	**.56**	**6.84**	**145.1**	**34.30**
Colombia	1,588	11,821	.66	.56	6.84	145.1	34.30
Lakeland City of	**43**	**12,941**	**.62**	**.48**	**5.70**	**175.7**	**45.48**
Venezuela	43	12,941	.62	.48	5.70	175.7	45.48

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 18. Receipts, Quality, and Average Delivered Cost of Imported Coal, 1995-1999 (Continued)

Electric Utility Country of Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
1998							
Mississippi Power Co	**174**	**12,586**	**0.75**	**0.60**	**6.94**	**140.4**	**35.35**
Venezuela	174	12,586	.75	.60	6.94	140.4	35.35
New England Power Co	**939**	**12,578**	**.65**	**.52**	**6.18**	**160.9**	**40.48**
Colombia	467	12,116	.62	.51	5.82	169.9	41.16
Venezuela	472	13,036	.68	.53	6.54	152.7	39.81
Public Service Co of NH	**366**	**12,940**	**.65**	**.50**	**5.70**	**150.5**	**38.95**
Colombia	35	13,188	.64	.49	5.50	172.8	45.58
Venezuela	331	12,914	.65	.51	5.72	148.1	38.25
Public Service Electric&Gas Co	**39**	**12,998**	**.68**	**.52**	**5.50**	**155.3**	**40.37**
Venezuela	39	12,998	.68	.52	5.50	155.3	40.37
San Antonio City of	**67**	**11,972**	**.57**	**.47**	**5.21**	**190.9**	**45.70**
Colombia	24	11,600	.33	.28	3.80	200.6	46.54
Venezuela	43	12,179	.70	.57	6.00	185.7	45.22
Savannah Electric & Power Co	**414**	**12,492**	**1.01**	**.81**	**7.19**	**144.6**	**36.14**
Venezuela	414	12,492	1.01	.81	7.19	144.6	36.14
Tampa Electric Co	**597**	**9,515**	**.21**	**.22**	**1.09**	**157.1**	**29.89**
Indonesia	597	9,515	.21	.22	1.09	157.1	29.89
United Illuminating Co	**106**	**13,084**	**.60**	**.46**	**5.47**	**171.0**	**44.75**
Venezuela	106	13,084	.60	.46	5.47	171.0	44.75
1997	**4,871**	**11,848**	**.68**	**.57**	**5.81**	**159.5**	**37.80**
Central Hudson Gas & Elec Corp	**497**	**13,131**	**.65**	**.49**	**6.63**	**172.6**	**45.32**
Colombia	147	13,032	.65	.50	7.17	171.3	44.64
Venezuela	350	13,172	.65	.49	6.40	173.1	45.61
Central Power & Light Co	**26**	**11,665**	**.47**	**.40**	**6.00**	**173.2**	**40.41**
Colombia	26	11,665	.47	.40	6.00	173.2	40.41
Jacksonville Electric Auth	**1,385**	**11,851**	**.78**	**.66**	**7.42**	**150.1**	**35.59**
Colombia	1,385	11,851	.78	.66	7.42	150.1	35.59
New England Power Co	**1,460**	**12,365**	**.65**	**.52**	**6.01**	**165.4**	**40.90**
Colombia	1,078	12,112	.63	.52	5.93	166.2	40.26
Venezuela	383	13,078	.68	.52	6.22	163.3	42.70
Public Service Co of NH	**305**	**12,345**	**.64**	**.52**	**5.98**	**164.7**	**40.66**
Colombia	35	13,231	.63	.48	6.70	160.1	42.37
Venezuela	229	12,217	.67	.55	6.13	160.7	39.27
Indonesia	41	12,300	.49	.40	4.50	190.7	46.92
San Antonio City of	**73**	**11,603**	**.34**	**.29**	**3.89**	**176.9**	**41.06**
Colombia	73	11,603	.34	.29	3.89	176.9	41.06
Savannah Electric & Power Co	**279**	**11,949**	**1.28**	**1.07**	**7.72**	**135.1**	**32.29**
Venezuela	279	11,949	1.28	1.07	7.72	135.1	32.29
Tacoma Public Utilities	**10**	**10,144**	**.43**	**.42**	**12.25**	**171.4**	**34.79**
Canada	10	10,144	.43	.42	12.25	171.4	34.79
Tampa Electric Co	**800**	**9,859**	**.43**	**.44**	**1.59**	**159.6**	**31.47**
Venezuela	59	12,953	1.47	1.13	3.50	130.2	33.73
Indonesia	741	9,614	.35	.37	1.44	162.7	31.29
United Illuminating Co	**35**	**13,387**	**.64**	**.48**	**4.30**	**169.6**	**45.41**
Venezuela	35	13,387	.64	.48	4.30	169.6	45.41
1996	**4,699**	**11,797**	**.63**	**.53**	**5.77**	**161.5**	**38.10**
Gulf Power Co[1]	**298**	**12,207**	**.96**	**.79**	**5.94**	**231.9**	**56.61**
Venezuela	298	12,207	.96	.79	5.94	231.9	56.61
Jacksonville Electric Auth	**1,417**	**11,810**	**.66**	**.56**	**7.71**	**152.9**	**36.11**
Colombia	1,417	11,810	.66	.56	7.71	152.9	36.11
New England Power Co	**1,766**	**12,586**	**.65**	**.51**	**6.00**	**159.9**	**40.25**
Colombia	630	12,032	.58	.48	5.60	161.7	38.91
Venezuela	1,135	12,893	.68	.53	6.23	159.0	40.99

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 18. Receipts, Quality, and Average Delivered Cost of Imported Coal, 1995-1999 (Continued)

Electric Utility Country of Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
1996							
Public Service Co of NH	**154**	**12,586**	**0.60**	**0.48**	**5.72**	**174.2**	**43.84**
Colombia	32	12,169	.66	.54	5.68	161.9	39.41
Venezuela	96	12,774	.55	.43	5.07	181.3	46.32
Indonesia	26	12,412	.72	.58	8.20	161.9	40.19
Savannah Electric & Power Co	**210**	**12,143**	**1.08**	**.89**	**6.71**	**152.8**	**37.11**
Venezuela	210	12,143	1.08	.89	6.71	152.8	37.11
Tacoma Public Utilities	**18**	**9,861**	**.44**	**.45**	**12.97**	**174.6**	**34.44**
Canada	18	9,861	.44	.45	12.97	174.6	34.44
Tampa Electric Co	**808**	**9,655**	**.29**	**.30**	**1.48**	**149.7**	**28.91**
Indonesia	808	9,655	.29	.30	1.48	149.7	28.91
United Illuminating Co	**28**	**13,174**	**.61**	**.46**	**4.10**	**185.0**	**48.74**
Venezuela	28	13,174	.61	.46	4.10	185.0	48.74
1995	**4,398**	**12,070**	**.68**	**.56**	**6.26**	**171.8**	**41.46**
Central Hudson Gas & Elec Corp	**28**	**13,281**	**.56**	**.42**	**7.30**	**224.1**	**59.53**
Venezuela	28	13,281	.56	.42	7.30	224.1	59.53
Delmarva Power & Light Co	**7**	**13,141**	**.75**	**.57**	**7.07**	**180.3**	**47.39**
Colombia	7	13,141	.75	.57	7.07	180.3	47.39
Gulf Power Co[1]	**891**	**12,342**	**.93**	**.75**	**6.32**	**231.5**	**57.16**
Venezuela	891	12,342	.93	.75	6.32	231.5	57.16
Jacksonville Electric Auth	**1,341**	**11,826**	**.67**	**.57**	**7.52**	**151.5**	**35.82**
Colombia	1,341	11,826	.67	.57	7.52	151.5	35.82
New England Power Co	**1,462**	**12,577**	**.64**	**.51**	**6.16**	**159.6**	**40.15**
Colombia	558	12,195	.60	.49	5.24	157.1	38.33
Venezuela	904	12,813	.67	.52	6.73	161.0	41.27
Public Service Co of NH	**296**	**12,658**	**.61**	**.48**	**6.16**	**162.2**	**41.06**
Colombia	134	12,634	.61	.48	6.45	162.5	41.07
Venezuela	82	13,044	.71	.54	7.24	156.5	40.84
Indonesia	80	12,300	.52	.42	4.56	167.8	41.28
Tacoma Public Utilities	**24**	**10,066**	**.47**	**.47**	**13.14**	**166.0**	**33.42**
Canada	24	10,066	.47	.47	13.14	166.0	33.42
Tampa Electric Co	**349**	**9,696**	**.31**	**.32**	**1.16**	**143.8**	**27.88**
Indonesia	349	9,696	.31	.32	1.16	143.8	27.88

[1] Coal shown as imported from Venezuela and delivered to the Gulf Power Company during 1995 and 1996 includes some coal that was a mixture of Illinois and Venezuela coal delivered under contract to the company.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.

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

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1999

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc	716	11,866	1.61	1.36	12.52	137.2	32.56
Alabama Power Co	12,295	12,163	.99	.82	12.65	180.7	43.95
American Mun Power Ohio Inc	832	11,583	4.70	4.05	15.05	89.6	20.75
Appalachian Power Co	13,649	12,261	.75	.61	12.06	132.4	32.48
Atlantic City Electric Co	679	12,884	2.12	1.65	9.66	157.2	40.50
Baltimore Gas & Electric Co	5,515	12,728	.88	.69	10.42	139.4	35.50
Cardinal Operating Co	3,660	12,273	1.52	1.23	12.01	225.0	55.24
Carolina Power & Light Co	11,546	12,544	.91	.72	10.08	147.9	37.12
Cedar Falls City of	44	12,057	1.31	1.09	12.51	160.8	38.78
Central Hudson Gas & Elec Corp	231	13,058	.67	.51	8.22	166.6	43.51
Central Operating Co	2,658	12,146	1.49	1.22	12.49	122.7	29.79
Cincinnati Gas & Electric Co	11,773	12,092	2.00	1.66	11.35	110.2	26.65
Cleveland Electric Illum Co	3,738	12,851	2.08	1.61	8.73	124.4	31.98
Columbia City of	40	13,402	1.23	.92	6.62	199.6	53.49
Columbus Southern Power Co	4,118	11,972	2.68	2.24	8.87	121.4	29.07
Consumers Power Co	5,192	12,343	.84	.68	11.15	153.1	37.79
Dayton Power & Light Co	7,589	11,562	.78	.67	14.53	119.6	27.66
Delmarva Power & Light Co	1,204	12,935	.97	.75	9.26	158.9	41.12
Detroit Edison Co	5,825	13,079	1.36	1.04	7.36	124.1	32.47
Duke Power Co	14,802	12,398	.82	.66	10.56	140.4	34.82
Duquesne Light Co	2,042	12,659	1.99	1.58	10.29	144.1	36.49
East Kentucky Power Coop Inc	3,938	12,343	.87	.70	10.59	113.5	28.02
Florida Power Corp	5,347	14,575	.84	.58	9.06	172.7	50.35
Gainesville Regional Utilities	557	13,074	.64	.49	7.09	165.2	43.19
Georgia Power Co	24,559	12,550	.91	.73	10.45	155.8	39.10
Gulf Power Co	153	12,325	1.59	1.29	11.21	152.4	37.56
Hamilton City of	138	12,404	.92	.74	9.88	144.5	35.84
Holland City of	169	13,080	.85	.65	6.70	156.7	40.99
Holyoke Water Power Co	324	13,218	.90	.68	7.05	173.6	45.90
Indiana-Kentucky Electric Corp	1,367	13,020	1.64	1.26	7.76	146.3	38.10
Indiana Michigan Power Co	3,516	12,314	.96	.78	10.00	119.2	29.35
Jacksonville Electric Auth	2,097	12,604	1.29	1.02	8.81	159.6	40.24
Jamestown City of	89	12,703	1.79	1.41	9.55	128.2	32.58
Kentucky Power Co	3,218	12,215	1.11	.91	10.12	105.6	25.80
Kentucky Utilities Co	6,573	12,242	1.32	1.08	11.50	112.9	27.65
Lakeland City of	758	12,849	1.43	1.11	9.09	174.0	44.71
Lansing City of	668	12,647	.87	.69	8.79	158.7	40.14
Louisville Gas & Electric Co	1,146	11,813	3.24	2.74	14.54	89.0	21.02
Manitowoc Public Utilities	104	13,140	1.39	1.06	6.98	162.4	42.69
Marquette City of	18	13,593	.90	.66	5.40	155.1	42.17
Metropolitan Edison Co	1,180	13,149	1.53	1.16	6.94	140.4	36.93
Michigan South Central Pwr Agy	118	11,993	3.21	2.67	11.18	155.0	37.19
Monongahela Power Co	13,345	12,534	3.01	2.40	10.81	104.6	26.23
Montaup Electric Co	70	12,891	.67	.52	7.98	172.3	44.42
New York State Elec & Gas Corp	1,152	12,973	2.22	1.71	8.24	134.3	34.84
Niagara Mohawk Power Corp	1,101	13,140	1.90	1.45	7.09	137.1	36.03
Northern Indiana Pub Serv Co	276	12,969	2.54	1.96	8.41	118.2	30.66
Northern States Power Co	16	13,593	.78	.57	5.70	192.2	52.25
Ohio Edison Co	7,069	12,316	1.58	1.29	11.84	112.4	27.69
Ohio Power Co	14,504	11,865	2.47	2.08	11.73	164.9	39.13
Ohio Valley Electric Corp	3,080	12,847	2.42	1.89	8.11	110.8	28.47
Orange & Rockland Utils Inc	268	12,972	.59	.46	7.93	183.9	47.70
Orlando Utilities Comm	2,116	12,807	1.11	.86	8.56	168.3	43.12
Orrville City of	186	11,609	3.50	3.02	10.19	101.2	23.50
Painesville City of	92	12,528	2.52	2.01	8.36	131.7	32.99
Pennsylvania Electric Co	12,679	12,400	2.01	1.62	13.13	115.8	28.71
Pennsylvania Power & Light Co	7,164	12,762	1.64	1.28	10.70	137.7	35.15
Pennsylvania Power Co	5,004	12,047	3.38	2.81	12.53	160.9	38.78
Philadelphia Electric Co	1,260	13,209	1.83	1.39	7.61	144.5	38.18
Potomac Edison Co	122	12,320	.97	.79	12.76	130.3	32.11
Potomac Electric Power Co	6,591	13,172	1.26	.96	8.08	137.9	36.33
PSI Energy Inc	944	13,196	2.25	1.70	7.18	115.0	30.35
Public Service Co of NH	829	13,221	1.76	1.33	6.78	156.8	41.47
Public Service Electric&Gas Co	1,911	13,245	.79	.59	8.28	141.1	37.39
Richmond City of	211	12,329	2.72	2.21	9.68	122.5	30.21
Rochester Public Utilities	*	13,500	1.00	.74	6.00	150.0	40.50
Rochester Gas & Electric Corp	579	13,180	2.14	1.62	7.31	140.5	37.04
Savannah Electric & Power Co	357	11,423	.93	.82	16.12	146.2	33.40
Seminole Electric Coop Inc	949	13,251	2.66	2.01	7.08	143.1	37.93

See footnotes at end of table.

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1999 (Continued)

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Electric&Gas Co	6,078	12,729	1.10	0.86	9.26	149.1	37.97
South Carolina Pub Serv Auth	6,026	12,886	1.20	.93	8.27	134.0	34.53
South Mississippi El Pwr Assn	1,038	12,381	.88	.71	9.69	189.5	46.93
Southern Indiana Gas & Elec Co	132	13,056	1.52	1.16	7.34	123.7	32.30
Tampa Electric Co	798	12,891	1.52	1.18	7.87	201.2	51.87
Tennessee Valley Authority	10,031	12,575	1.50	1.19	10.18	122.7	30.86
Toledo Edison Co	46	12,712	.71	.56	9.63	130.0	33.04
Vineland City of	2	12,842	.78	.61	6.21	193.1	49.60
Virginia Electric & Power Co	13,613	12,577	1.59	1.26	10.81	127.1	31.98
West Penn Power Co	4,603	12,809	2.32	1.81	8.97	110.5	28.30
Wisconsin Electric Power Co	951	13,113	1.57	1.20	6.82	140.5	36.86
Wisconsin Power & Light Co	12	13,073	3.07	2.35	7.10	141.4	36.97
Wyandotte Municipal Serv Comm	129	12,704	1.00	.79	9.16	144.9	36.81
Total	**289,520**	**12,497**	**1.50**	**1.20**	**10.64**	**137.7**	**34.43**

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • The Appalachian Region includes Alabama, Georgia, eastern Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia. • MM Btu = million Btu.

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

Table 20. Receipts of Interior Region Coal by Electric Utility, 1999

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc	545	11,926	1.07	0.90	6.05	143.4	34.21
Alabama Power Co	1,509	12,435	2.02	1.62	9.47	125.5	31.21
Associated Electric Coop Inc	3	11,214	2.43	2.17	8.01	130.0	29.16
Big Rivers Electric Corp	263	11,422	2.58	2.26	8.77	103.5	23.65
Central Electric Pwr Coop-MO	135	11,014	2.73	2.48	9.06	127.7	28.14
Central Illinois Light Co	2,669	10,903	2.47	2.27	8.05	141.7	30.90
Central Illinois Pub Serv Co	2,857	10,544	1.42	1.35	8.52	156.2	32.95
Central Iowa Power Coop	191	12,168	2.79	2.29	9.55	113.4	27.60
Cincinnati Gas & Electric Co	33	12,005	1.87	1.56	9.98	110.8	26.60
Commonwealth Edison Co	28	8,377	2.71	3.23	24.69	155.6	26.07
Dairyland Power Coop	710	12,015	1.05	.87	6.02	135.2	32.49
Empire District Electric Co	152	11,986	3.31	2.76	12.14	120.1	28.78
Georgia Power Co	1,124	12,117	1.08	.89	6.55	149.0	36.10
Grand Haven City of	156	11,068	2.32	2.09	10.22	132.1	29.24
Grand River Dam Authority	112	12,993	3.91	3.01	9.18	101.7	26.43
Gulf Power Co	3,084	12,205	1.44	1.18	7.22	141.9	34.64
Hoosier Energy R E C Inc	3,859	11,168	2.90	2.60	10.10	123.8	27.66
IES Utilities Co	61	12,057	1.06	.88	6.50	158.2	38.15
Illinois Power Co	4,759	10,832	2.64	2.44	10.08	108.5	23.50
Independence City of	142	10,695	3.54	3.31	16.57	132.2	28.28
Indiana Michigan Power Co	244	12,178	1.39	1.14	6.76	119.9	29.21
Indianapolis Power & Light Co	8,101	11,150	2.32	2.08	8.89	96.9	21.61
Interstate Power Co	149	11,608	1.04	.90	8.53	113.0	26.23
Kansas City Power & Light Co	400	10,950	4.06	3.71	19.59	103.8	22.73
Kentucky Utilities Co	945	11,379	2.62	2.30	10.16	100.1	22.79
Louisville Gas & Electric Co	5,644	11,174	3.40	3.04	12.16	96.3	21.53
Madison Gas & Electric Co	142	10,743	1.31	1.22	9.41	143.4	30.80
Manitowoc Public Utilities	15	11,500	1.11	.97	8.01	153.8	35.38
Mississippi Power Co	1,418	12,227	1.52	1.25	7.20	141.8	34.68
Northern Indiana Pub Serv Co	2,956	11,016	2.92	2.65	9.40	117.8	25.95
Owensboro City of	1,304	10,986	3.37	3.07	11.54	94.0	20.65
PSI Energy Inc	15,087	11,010	1.73	1.57	9.02	108.6	23.91
Richmond City of	123	11,423	2.60	2.28	8.26	127.0	29.02
Rochester Public Utilities	106	11,064	.88	.80	8.85	158.5	35.08
Seminole Electric Coop Inc	2,160	12,077	2.94	2.43	7.63	171.7	41.46
Southern Illinois Power Coop	770	10,721	2.84	2.65	16.88	94.5	20.26
Southern Indiana Gas & Elec Co	2,651	11,446	3.84	3.36	9.18	94.8	21.71
Springfield City of	1,111	10,460	3.02	2.89	9.33	110.3	23.08
Springfield City of	140	12,052	1.17	.97	6.47	150.5	36.27
Tampa Electric Co	4,964	11,975	2.41	2.01	8.43	144.6	34.62
Tennessee Valley Authority	20,482	11,509	3.12	2.71	12.38	103.7	23.87
Union Electric Co	1,289	11,766	1.88	1.59	7.28	138.1	32.50
Wisconsin Power & Light Co	4	12,017	1.08	.90	7.09	168.4	40.47
Total	**92,599**	**11,338**	**2.52**	**2.22**	**9.95**	**115.6**	**26.21**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • The Interior Region includes Arkansas, Illinois, Indiana, Iowa, Kansas, western Kentucky, Missouri, Oklahoma, and Texas. • This table excludes all lignite receipts. • MM Btu = million Btu.

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

Table 21. Receipts of Western Region Coal by Electric Utility, 1999

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Power Co	10,332	8,679	0.34	0.39	5.07	116.6	20.24
Ames City of	238	8,884	.18	.21	4.34	140.9	25.03
Arizona Electric Pwr Coop Inc	1,435	9,929	.46	.47	14.89	116.2	23.06
Arizona Public Service Co	12,301	9,280	.67	.72	18.98	113.6	21.08
Arkansas Power & Light Co	13,078	8,665	.27	.31	4.79	146.3	25.36
Associated Electric Coop Inc	9,138	8,886	.19	.21	4.37	83.2	14.78
Basin Electric Power Coop	7,406	8,361	.41	.49	5.45	44.3	7.41
Black Hills Corp	496	8,078	.57	.70	7.04	42.7	6.90
Cajun Electric Power Coop Inc	6,648	8,338	.46	.55	5.78	146.2	24.39
Central Illinois Pub Serv Co	3,485	8,976	.26	.29	5.10	106.2	19.07
Central Louisiana Elec Co Inc	2,054	8,614	.68	.79	7.54	138.2	23.80
Central Power & Light Co	2,583	9,658	.30	.32	5.39	140.5	27.14
Cleveland Electric Illum Co	80	8,862	.23	.26	4.82	114.4	20.28
Colorado Springs City of	1,450	10,596	.41	.39	7.31	116.2	24.64
Commonwealth Edison Co	14,178	8,819	.39	.45	5.27	192.0	33.87
Consumers Power Co	3,750	8,823	.37	.42	5.77	104.4	18.42
Dairyland Power Coop	2,117	9,180	.23	.25	4.95	108.3	19.88
Deseret Generation & Tran Coop	1,502	10,327	.42	.40	10.88	157.5	32.53
Detroit Edison Co	14,619	9,162	.29	.32	4.50	128.7	23.58
Electric Energy Inc	4,935	8,742	.24	.27	4.56	87.4	15.28
Empire District Electric Co	952	8,863	.20	.22	4.50	104.4	18.51
Fremont City of	249	8,778	.20	.22	4.47	92.0	16.15
Georgia Power Co	6,821	8,724	.34	.39	5.38	151.5	26.44
Grand Island City of	375	8,299	.37	.45	5.42	65.0	10.80
Grand River Dam Authority	3,837	8,429	.33	.39	5.35	85.0	14.33
Gulf States Utilities Co	2,343	8,629	.45	.53	5.80	129.6	22.37
Hastings City of	399	8,307	.34	.41	5.47	64.1	10.66
Houston Lighting & Power Co	11,121	8,625	.36	.42	5.21	170.9	29.49
IES Utilities Co	5,538	8,458	.35	.41	5.62	85.3	14.42
Illinois Power Co	1,444	11,149	.47	.42	8.45	133.7	29.82
Indiana-Kentucky Electric Corp	3,693	8,841	.22	.25	4.79	97.1	17.17
Indiana Michigan Power Co	8,043	8,750	.23	.27	4.52	107.1	18.74
Interstate Power Co	1,631	9,332	.37	.40	6.40	109.5	20.45
Kansas City City of	1,400	8,468	.38	.45	5.29	76.5	12.96
Kansas City Power & Light Co	9,915	8,602	.31	.36	5.20	71.9	12.37
Kansas Power & Light Co	10,795	8,639	.35	.41	4.86	109.6	18.94
Kentucky Utilities Co	304	8,856	.18	.20	4.40	108.2	19.16
Lansing City of	705	8,804	.27	.31	5.40	133.0	23.42
Los Angeles City of	4,898	11,737	.51	.44	9.12	144.7	33.98
Lower Colorado River Authority	7,996	8,563	.34	.39	5.50	92.7	15.87
Marquette City of	138	9,321	.35	.37	4.23	116.6	21.73
Minnesota Power & Light Co	3,899	9,040	.54	.60	6.38	115.1	20.80
Mississippi Power Co	3,250	9,990	.42	.42	6.37	151.3	30.23
Montana-Dakota Utilities Co	*	7,072	.64	.90	6.81	54.2	7.67
Montana Power Co	10,202	8,471	.73	.86	9.75	72.4	12.27
Muscatine City of	1,146	8,244	.89	1.08	6.66	77.0	12.69
Nebraska Public Power District	6,051	8,616	.26	.30	4.49	49.2	8.49
Nevada Power Co	1,906	11,653	.46	.39	8.92	117.3	27.33
Northern Indiana Pub Serv Co	5,729	9,306	.43	.47	5.71	129.5	24.11
Northern States Power Co	12,262	8,814	.40	.45	6.26	107.0	18.87
Oklahoma Gas & Electric Co	11,496	8,619	.30	.35	5.31	82.2	14.17
Omaha Public Power District	4,896	8,370	.33	.40	5.73	59.9	10.03
Otter Tail Power Co	2,409	8,723	.57	.65	8.10	98.6	17.20
PacifiCorp	30,773	9,560	.56	.58	9.61	93.0	17.78
Plains Elec Gen&Trans Coop Inc	926	9,260	.84	.91	17.25	131.5	24.35
Platte River Power Authority	1,327	8,806	.25	.29	5.41	59.9	10.55
Portland General Electric Co	2,326	8,961	.39	.44	6.41	107.9	19.34
Public Service Co of Colorado	10,597	9,510	.37	.39	6.44	96.3	18.32
Public Service Co of NM	6,623	9,303	.83	.89	25.83	173.8	32.33
Public Service Co of Oklahoma	3,716	8,643	.21	.24	4.59	118.0	20.40
Rochester Public Utilities	*	8,800	.32	.36	5.00	92.0	16.19
Salt River Proj Ag I & P Dist	10,963	10,672	.50	.47	10.71	127.2	27.14
San Antonio City of	6,879	8,470	.33	.39	5.73	96.2	16.29
Sierra Pacific Power Co	1,676	11,548	.41	.36	8.63	140.5	32.45
Sikeston City of	1,006	8,750	.34	.39	5.55	100.5	17.59
Southern California Edison Co	4,493	10,981	.49	.44	9.79	130.5	28.65
Southern Illinois Power Coop	5	8,580	.54	.63	8.64	108.2	18.58
Southwestern Electric Power Co	9,221	8,514	.29	.35	4.63	150.9	25.69
Southwestern Public Service Co	8,959	8,794	.34	.39	5.37	145.4	25.58

See footnotes at end of table.

Table 21. Receipts of Western Region Coal by Electric Utility, 1999 (Continued)

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Springfield City of	1,617	8,912	0.18	0.21	4.30	102.3	18.23
St Joseph Light & Power Co	457	9,606	.30	.31	5.49	94.4	18.13
Sunflower Electric Coop Inc	1,561	8,465	.31	.37	5.39	106.1	17.96
Tampa Electric Co	430	8,802	.20	.22	4.47	126.4	22.25
Tennessee Valley Authority	11,510	10,607	.42	.40	7.45	116.6	24.74
Texas Municipal Power Agency	1,920	8,430	.33	.39	5.62	120.2	20.26
Texas Utilities Electric Co	2,094	8,369	.32	.38	5.52	107.5	17.99
Toledo Edison Co	1,816	8,782	.25	.28	5.10	116.3	20.42
Tri State G & T Assn Inc	5,015	10,257	.44	.43	7.32	106.2	21.79
Tucson Electric Power Co	3,523	9,435	.82	.87	16.37	149.8	28.27
Union Electric Co	16,500	8,679	.26	.30	5.03	93.2	16.18
UtiliCorp United Inc	1,395	9,623	.38	.39	5.63	89.1	17.15
West Texas Utilities Co	2,888	8,416	.42	.50	5.35	130.1	21.90
Western Farmers Elec Coop Inc	1,838	8,710	.28	.32	5.00	104.8	18.26
Wisconsin Electric Power Co	10,567	9,079	.33	.36	5.85	93.7	17.02
Wisconsin Power & Light Co	7,436	8,666	.35	.40	5.20	102.8	17.82
Wisconsin Public Service Corp	3,512	8,821	.25	.28	4.84	104.1	18.36
Total	**443,718**	**9,049**	**.39**	**.43**	**6.90**	**112.0**	**20.27**

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • The Western Region includes Arizona, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming. • This table excludes all lignite receipts. • MM Btu = million Btu.

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

Table 22. Destination and Origin of Coal by State, 1999

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Alabama[1]	**30,192**	**10,963**	**1.02**	**0.93**	**9.32**	**147.6**	**32.36**
Alabama	12,947	12,146	1.03	.85	12.64	178.5	43.36
Colorado	30	11,383	.40	.35	9.21	112.4	25.58
Illinois	1,878	12,151	2.27	1.87	7.75	125.5	30.49
Kentucky	3,445	12,210	2.24	1.84	10.43	115.1	28.11
Pennsylvania	59	13,228	2.59	1.96	7.64	112.7	29.82
Tennessee	429	12,400	.89	.72	14.50	136.9	33.96
Virginia	61	12,540	.82	.65	9.21	138.3	34.70
West Virginia	457	12,063	2.66	2.20	11.33	112.7	27.18
Wyoming	10,332	8,679	.34	.39	5.07	116.6	20.24
Imported	553	11,641	.54	.47	3.90	161.5	37.60
Arizona	**19,712**	**10,257**	**.55**	**.53**	**12.67**	**132.7**	**27.21**
Arizona	8,129	10,941	.53	.48	9.44	116.7	25.54
Colorado	525	10,982	.44	.40	7.98	177.3	38.94
Montana	70	9,372	.33	.35	4.21	122.8	23.02
New Mexico	10,857	9,733	.57	.59	15.47	143.9	28.00
Wyoming	132	8,800	.28	.31	5.04	119.5	21.03
Arkansas	**15,406**	**8,651**	**.27**	**.31**	**4.75**	**145.6**	**25.19**
Wyoming	15,406	8,651	.27	.31	4.75	145.6	25.19
Colorado	**18,389**	**9,749**	**.38**	**.39**	**6.67**	**98.5**	**19.20**
Colorado	10,442	10,636	.45	.42	8.11	107.6	22.89
Wyoming	7,947	8,582	.30	.35	4.77	83.6	14.35
Connecticut	**35**	**13,541**	**.61**	**.45**	**4.85**	**169.3**	**45.85**
Imported	35	13,541	.61	.45	4.85	169.3	45.85
Delaware	**1,204**	**12,935**	**.97**	**.75**	**9.26**	**158.9**	**41.12**
Kentucky	31	12,648	.66	.52	7.65	174.6	44.17
Maryland	123	13,019	1.46	1.12	10.11	145.5	37.87
Pennsylvania	324	13,238	1.35	1.02	6.61	143.5	37.98
Virginia	213	13,412	.76	.57	7.28	173.9	46.64
West Virginia	513	12,543	.71	.57	11.65	165.0	41.39
Florida[1]	**25,477**	**12,700**	**1.53**	**1.20**	**8.06**	**159.4**	**40.50**
Alabama	72	11,960	2.22	1.86	14.16	133.0	31.80
Illinois	8,205	12,068	2.09	1.73	7.79	150.9	36.41
Kentucky	11,336	13,533	1.37	1.01	8.49	166.9	45.17
Pennsylvania	93	12,954	1.84	1.42	6.94	138.5	35.87
Virginia	876	12,467	.74	.59	9.53	201.1	50.14
West Virginia	2,400	12,908	1.70	1.31	8.73	151.3	39.07
Wyoming	430	8,802	.20	.22	4.47	126.4	22.25
Imported	2,064	11,319	.52	.46	5.88	145.7	32.99
Georgia	**33,296**	**11,740**	**.80**	**.68**	**9.30**	**154.6**	**36.29**
Alabama	194	12,145	1.55	1.28	12.70	127.1	30.87
Illinois	1,124	12,117	1.08	.89	6.55	149.0	36.10
Kentucky	15,388	12,547	.97	.77	9.92	151.6	38.05
Virginia	5,491	12,834	.87	.68	10.41	151.6	38.92
West Virginia	3,843	12,074	.69	.57	13.01	179.9	43.45
Wyoming	6,821	8,724	.34	.39	5.38	151.5	26.44
Imported	434	12,535	.75	.60	7.24	139.2	34.91
Illinois	**36,241**	**9,560**	**1.03**	**1.07**	**6.76**	**143.7**	**27.47**
Colorado	1,066	11,638	.52	.45	9.61	127.7	29.72
Illinois	11,652	10,710	2.38	2.22	9.69	125.6	26.90
Indiana	440	11,060	1.99	1.80	8.73	142.8	31.59
Kentucky	102	12,031	2.24	1.86	11.04	125.2	30.11
Montana	1,659	9,589	.35	.36	3.96	161.8	31.03
Utah	338	11,560	.50	.43	9.35	138.4	31.99
Wyoming	20,983	8,739	.33	.38	5.11	155.8	27.22
Indiana	**56,933**	**10,620**	**1.58**	**1.49**	**7.84**	**111.0**	**23.58**
Illinois	4,568	11,091	2.35	2.12	9.42	114.3	25.35
Indiana	28,428	11,110	2.28	2.05	9.10	106.2	23.60
Kentucky	1,961	12,576	1.14	.90	9.28	119.7	30.10
Ohio	389	10,825	4.10	3.78	13.37	108.3	23.44
Pennsylvania	635	13,106	2.07	1.58	7.51	111.5	29.23

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 22. Destination and Origin of Coal by State, 1999 (Continued)

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Indiana (Continued)							
Virginia	997	13,864	0.69	0.50	5.61	157.1	43.57
West Virginia	2,489	12,353	1.38	1.12	9.78	119.5	29.53
Wyoming	17,466	8,952	.30	.33	4.97	112.6	20.17
Iowa	**21,474**	**8,581**	**.40**	**.47**	**5.54**	**82.1**	**14.09**
Colorado	347	11,620	.50	.43	9.10	134.3	31.20
Illinois	379	11,952	1.82	1.52	8.63	120.3	28.75
Kentucky	21	11,794	2.95	2.51	10.05	117.4	27.70
Montana	116	9,381	.34	.36	4.16	143.9	27.01
Ohio	*	12,789	4.23	3.31	8.30	139.9	35.78
Pennsylvania	22	12,057	1.30	1.08	12.51	160.8	38.79
West Virginia	22	12,054	1.30	1.08	12.52	160.9	38.79
Wyoming	20,566	8,453	.37	.44	5.41	79.2	13.40
Kansas	**19,553**	**8,628**	**.43**	**.50**	**5.35**	**95.4**	**16.47**
Colorado	587	10,916	.45	.41	7.87	135.7	29.63
Kansas	400	10,950	4.06	3.71	19.59	103.8	22.73
Montana	1,319	9,370	.34	.37	4.04	90.2	16.90
Oklahoma	66	12,321	3.34	2.71	11.21	118.8	29.27
Utah	3	12,425	.45	.36	8.31	147.6	36.68
Wyoming	17,178	8,424	.34	.40	5.01	93.7	15.78
Kentucky[1]	**35,435**	**11,582**	**2.27**	**1.96**	**12.35**	**105.8**	**24.52**
Colorado	3,088	11,800	.47	.40	8.34	132.1	31.18
Illinois	236	11,787	2.51	2.13	10.22	101.0	23.81
Indiana	1,868	11,194	3.38	3.02	10.04	98.7	22.10
Kentucky	21,415	11,436	2.69	2.35	13.71	101.7	23.26
Ohio	172	12,400	4.09	3.30	9.67	85.5	21.21
Pennsylvania	402	13,067	1.74	1.33	6.99	116.5	30.44
West Virginia	7,486	12,189	1.71	1.40	11.86	108.2	26.38
Wyoming	768	8,783	.28	.32	5.03	104.3	18.31
Louisiana	**13,854**	**8,149**	**.58**	**.72**	**7.40**	**139.8**	**22.79**
Louisiana	2,810	6,963	.92	1.32	12.49	133.7	18.62
Wyoming	11,044	8,451	.50	.59	6.11	141.1	23.85
Maryland	**11,143**	**12,943**	**1.12**	**.86**	**9.30**	**137.9**	**35.69**
Kentucky	334	13,004	.74	.57	7.35	140.6	36.57
Maryland	227	13,066	1.48	1.14	9.97	130.8	34.19
Pennsylvania	3,114	13,123	1.51	1.15	7.55	137.0	35.95
Virginia	65	13,157	1.08	.82	9.40	153.2	40.32
West Virginia	7,373	12,861	.96	.75	10.11	138.3	35.57
Imported	29	12,003	.68	.57	6.00	131.5	31.57
Massachusetts	**394**	**13,160**	**.86**	**.65**	**7.22**	**173.4**	**45.63**
Kentucky	215	13,112	.74	.57	7.08	179.2	46.99
Pennsylvania	73	13,273	1.32	.99	6.53	161.8	42.95
West Virginia	106	13,177	.79	.60	7.96	169.7	44.73
Michigan	**33,281**	**10,487**	**.62**	**.59**	**6.49**	**130.6**	**27.39**
Colorado	807	11,813	.51	.43	9.07	139.1	32.88
Indiana	156	11,068	2.32	2.09	10.22	132.1	29.24
Kentucky	4,140	12,753	.86	.68	8.78	145.2	37.04
Montana	9,314	9,428	.35	.37	4.45	145.8	27.48
Ohio	131	12,054	3.12	2.58	10.86	155.3	37.44
Pennsylvania	2,575	13,168	1.47	1.12	6.69	121.8	32.07
West Virginia	5,293	12,508	1.10	.88	10.49	142.6	35.68
Wyoming	10,864	8,785	.27	.31	5.06	102.1	17.94
Minnesota	**16,559**	**8,883**	**.44**	**.49**	**6.27**	**109.6**	**19.47**
Colorado	12	11,803	.49	.42	7.50	127.2	30.03
Illinois	23	12,030	1.11	.92	6.90	162.5	39.10
Indiana	83	10,791	.82	.76	9.40	157.3	33.94
Kentucky	*	13,500	1.00	.74	6.00	150.0	40.50
Montana	8,616	8,911	.60	.67	7.54	111.0	19.77
Wyoming	7,825	8,819	.25	.28	4.84	107.2	18.90

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 22. Destination and Origin of Coal by State, 1999 (Continued)

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Mississippi	**6,423**	**11,062**	**0.74**	**0.67**	**6.85**	**155.2**	**34.34**
Colorado	1,100	11,293	.51	.45	9.86	157.9	35.66
Illinois	1,413	12,228	1.52	1.24	7.20	141.9	34.71
Kentucky	1,043	12,380	.89	.72	9.68	189.2	46.85
Montana	1,949	9,390	.36	.39	4.49	148.3	27.85
Wyoming	201	8,685	.42	.48	5.46	136.0	23.63
Imported	717	11,706	.43	.37	4.24	145.6	34.09
Missouri	**37,486**	**8,948**	**.34**	**.38**	**5.04**	**92.6**	**16.56**
Illinois	1,579	11,723	1.89	1.61	7.39	138.9	32.56
Kansas	2	10,900	3.50	3.21	17.50	123.6	26.94
Kentucky	43	13,250	1.31	.99	6.72	195.5	51.80
Missouri	196	10,996	3.52	3.20	15.63	122.6	26.96
Oklahoma	15	12,121	3.40	2.80	13.70	130.5	31.63
Utah	104	12,132	.43	.36	8.01	117.4	28.49
Wyoming	35,546	8,798	.25	.28	4.87	89.3	15.71
Montana	**10,417**	**8,435**	**.73**	**.86**	**9.71**	**72.7**	**12.26**
Montana	9,777	8,419	.76	.90	10.06	73.6	12.40
Wyoming	640	8,675	.21	.24	4.46	58.8	10.21
Nebraska	**11,970**	**8,498**	**.30**	**.35**	**5.06**	**55.4**	**9.42**
Utah	3	11,378	.26	.23	7.40	127.4	28.99
Wyoming	11,968	8,498	.30	.35	5.06	55.4	9.42
Nevada	**8,075**	**11,257**	**.46**	**.41**	**9.35**	**129.4**	**29.13**
Arizona	4,493	10,981	.49	.44	9.79	130.5	28.65
Utah	3,582	11,604	.44	.38	8.78	128.1	29.72
New Hampshire	**1,335**	**13,133**	**1.35**	**1.03**	**6.31**	**151.5**	**39.79**
Ohio	7	13,017	2.44	1.87	6.20	157.6	41.03
Pennsylvania	638	13,186	1.61	1.22	6.80	158.3	41.73
West Virginia	184	13,351	2.25	1.69	6.71	152.0	40.58
Imported	507	12,990	.67	.52	5.53	142.6	37.05
New Jersey	**2,597**	**13,150**	**1.14**	**.86**	**8.64**	**145.4**	**38.23**
Kentucky	151	12,864	.80	.62	8.92	146.3	37.64
Ohio	16	12,702	2.46	1.94	6.66	155.5	39.50
Virginia	716	13,761	.71	.51	5.95	140.6	38.70
West Virginia	1,710	12,924	1.33	1.03	9.76	147.2	38.04
Imported	5	12,842	.78	.61	6.21	193.0	49.57
New Mexico	**16,059**	**9,132**	**.80**	**.87**	**22.86**	**132.9**	**24.27**
New Mexico	16,059	9,132	.80	.87	22.86	132.9	24.27
New York	**4,047**	**13,034**	**1.67**	**1.28**	**7.52**	**144.9**	**37.77**
Kentucky	354	12,953	.61	.47	8.06	180.6	46.78
Pennsylvania	1,799	12,991	1.83	1.41	7.81	137.3	35.68
West Virginia	1,268	13,188	2.25	1.71	7.49	138.3	36.49
Imported	626	12,890	.65	.50	6.43	160.2	41.30
North Carolina	**25,575**	**12,450**	**.85**	**.68**	**10.39**	**143.8**	**35.80**
Kentucky	12,198	12,428	.90	.73	10.04	142.8	35.49
Virginia	659	12,739	.89	.69	10.75	143.8	36.63
West Virginia	12,718	12,457	.79	.63	10.71	144.7	36.05
North Dakota	**24,650**	**6,547**	**.75**	**1.15**	**9.39**	**73.0**	**9.56**
North Dakota	24,649	6,547	.75	1.15	9.39	73.0	9.56
Wyoming	*	7,072	.64	.90	6.81	54.2	7.67
Ohio	**51,568**	**11,918**	**1.98**	**1.66**	**11.31**	**136.2**	**32.47**
Kentucky	9,061	11,886	.83	.70	12.56	121.4	28.85
Ohio	18,332	11,778	3.45	2.93	10.81	145.7	34.32
Pennsylvania	4,336	13,185	2.01	1.53	7.56	110.5	29.13
Virginia	400	13,612	.69	.51	5.80	133.1	36.23
West Virginia	17,541	12,068	1.24	1.03	12.91	142.7	34.45
Wyoming	1,897	8,785	.25	.28	5.09	116.2	20.41

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 22. Destination and Origin of Coal by State, 1999 (Continued)

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Oklahoma	**20,999**	**8,619**	**0.31**	**0.36**	**5.18**	**91.2**	**15.73**
Oklahoma	112	12,993	3.91	3.01	9.18	101.7	26.43
Wyoming	20,888	8,596	.29	.33	5.16	91.2	15.67
Oregon	**2,326**	**8,961**	**.39**	**.44**	**6.41**	**107.9**	**19.34**
Colorado	14	11,057	.48	.43	11.20	75.0	16.59
Utah	287	11,870	.55	.46	11.93	102.6	24.36
Wyoming	2,025	8,535	.37	.43	5.60	109.2	18.65
Pennsylvania	**33,932**	**12,552**	**2.15**	**1.71**	**11.37**	**129.9**	**32.61**
Kentucky	41	12,784	1.11	.87	10.52	143.4	36.65
Ohio	42	12,070	3.32	2.75	12.32	173.2	41.80
Pennsylvania	24,942	12,580	1.96	1.56	11.55	125.5	31.58
Virginia	20	12,505	1.02	.82	13.05	143.5	35.90
West Virginia	8,887	12,474	2.68	2.15	10.89	142.0	35.42
South Carolina	**12,877**	**12,809**	**1.16**	**.90**	**8.78**	**141.6**	**36.29**
Kentucky	10,982	12,783	1.13	.89	8.80	140.2	35.85
Tennessee	467	12,862	1.36	1.06	7.66	155.9	40.10
Virginia	998	12,944	1.22	.94	9.30	149.9	38.81
West Virginia	430	13,104	1.31	1.00	8.34	143.0	37.49
South Dakota	**2,059**	**8,630**	**.60**	**.69**	**8.67**	**93.6**	**16.16**
Montana	1,499	8,715	.67	.77	9.39	92.8	16.17
Wyoming	560	8,401	.40	.48	6.77	96.0	16.13
Tennessee [1]	**27,537**	**11,635**	**1.58**	**1.36**	**8.82**	**113.1**	**26.32**
Colorado	2,784	11,459	.48	.42	9.43	121.3	27.80
Illinois	2,643	12,351	1.95	1.58	7.86	104.6	25.83
Kentucky	12,817	11,982	2.21	1.85	9.69	113.3	27.15
Pennsylvania	898	13,215	2.33	1.76	7.76	107.7	28.45
Tennessee	1,088	12,389	1.24	1.00	10.74	119.0	29.49
Utah	1,207	12,343	.51	.42	8.05	124.0	30.62
Virginia	2,164	12,749	1.54	1.21	10.17	129.6	33.05
Wyoming	3,936	8,750	.32	.36	5.41	94.6	16.55
Texas	**101,084**	**7,506**	**.65**	**.87**	**10.90**	**120.0**	**18.01**
Colorado	1,310	10,603	.40	.38	6.12	143.9	30.52
Texas	49,750	6,347	.97	1.53	16.66	100.4	12.74
Wyoming	50,024	8,577	.34	.39	5.30	133.6	22.92
Utah	**14,193**	**11,620**	**.46**	**.40**	**9.93**	**103.1**	**23.96**
Colorado	1,248	10,219	.42	.41	10.89	162.0	33.12
Utah	12,945	11,755	.47	.40	9.84	98.1	23.08
Virginia	**12,932**	**12,702**	**1.30**	**1.03**	**9.62**	**134.3**	**34.11**
Kentucky	3,140	12,748	1.75	1.37	8.08	140.8	35.90
Maryland	146	10,280	3.61	3.52	27.06	87.5	18.00
Pennsylvania	268	13,162	2.51	1.91	6.09	138.5	36.47
Tennessee	7	12,500	1.52	1.22	9.60	140.8	35.20
Virginia	7,078	12,714	1.04	.82	10.30	129.7	32.97
West Virginia	2,292	12,699	1.22	.96	8.92	141.4	35.92
Washington	**5,486**	**8,224**	**.75**	**.91**	**12.08**	**156.0**	**25.65**
Montana	1,502	9,342	.34	.37	4.22	122.7	22.93
Washington	3,984	7,803	.90	1.16	15.05	171.0	26.68
West Virginia	**36,780**	**12,361**	**1.84**	**1.49**	**11.78**	**118.2**	**29.22**
Kentucky	105	11,860	1.06	.90	11.84	102.4	24.28
Maryland	2,642	12,322	1.80	1.46	15.44	107.9	26.60
Ohio	1,376	12,523	4.06	3.24	9.25	90.9	22.76
Pennsylvania	4,044	12,930	1.62	1.25	8.29	106.4	27.51
West Virginia	28,614	12,278	1.77	1.44	12.06	122.3	30.03
Wisconsin	**23,850**	**9,115**	**.39**	**.43**	**5.42**	**102.3**	**18.66**
Colorado	763	11,724	.50	.43	8.88	144.6	33.91
Illinois	714	12,015	1.05	.87	6.02	135.4	32.54
Indiana	157	10,817	1.29	1.20	9.27	144.4	31.25
Kentucky	58	13,314	1.07	.80	7.08	184.0	48.99

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 22. Destination and Origin of Coal by State, 1999 (Continued)

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Wisconsin (Continued)							
Montana	642	9,333	0.34	0.37	4.18	119.8	22.36
New Mexico	228	12,059	.59	.49	13.86	160.3	38.66
Pennsylvania	992	13,115	1.59	1.21	6.78	141.0	36.99
West Virginia	12	13,073	3.07	2.35	7.10	141.4	36.97
Wyoming	20,283	8,651	.30	.34	5.11	93.4	16.16
Wyoming	**25,396**	**8,784**	**.51**	**.58**	**7.62**	**76.2**	**13.39**
Wyoming	25,396	8,784	.51	.58	7.62	76.2	13.39
Total	**908,232**	**10,174**	**1.01**	**.99**	**9.01**	**121.7**	**24.76**

1 The cost of coal shown for the States of Alabama, Florida, Kentucky, and Tennessee is not the total delivered cost of coal to these States. For more detailed information see footnotes 5, 6, and 7 at the end of Table 31.

* = Number less than 0.5 rounded to zero.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.

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

Table 23. Origin and Destination of Coal by State, 1999

Origin Destination	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Alabama	**13,214**	**12,145**	**1.04**	**0.86**	**12.65**	**177.5**	**43.11**
Alabama	12,947	12,146	1.03	.85	12.64	178.5	43.36
Florida	72	11,960	2.22	1.86	14.16	133.0	31.80
Georgia	194	12,145	1.55	1.28	12.70	127.1	30.87
Arizona	**12,622**	**10,955**	**.51**	**.47**	**9.57**	**121.6**	**26.65**
Arizona	8,129	10,941	.53	.48	9.44	116.7	25.54
Nevada	4,493	10,981	.49	.44	9.79	130.5	28.65
Colorado	**24,124**	**11,035**	**.46**	**.42**	**8.54**	**125.4**	**27.67**
Alabama	30	11,383	.40	.35	9.21	112.4	25.58
Arizona	525	10,982	.44	.40	7.98	177.3	38.94
Colorado	10,442	10,636	.45	.42	8.11	107.6	22.89
Illinois	1,066	11,638	.52	.45	9.61	127.7	29.72
Iowa	347	11,620	.50	.43	9.10	134.3	31.20
Kansas	587	10,916	.45	.41	7.87	135.7	29.63
Kentucky	3,088	11,800	.47	.40	8.34	132.1	31.18
Michigan	807	11,813	.51	.43	9.07	139.1	32.88
Minnesota	12	11,803	.49	.42	7.50	127.2	30.03
Mississippi	1,100	11,293	.51	.45	9.86	157.9	35.66
Oregon	14	11,057	.48	.43	11.20	75.0	16.59
Tennessee	2,784	11,459	.48	.42	9.43	121.3	27.80
Texas	1,310	10,603	.40	.38	6.12	143.9	30.52
Utah	1,248	10,219	.42	.41	10.89	162.0	33.12
Wisconsin	763	11,724	.50	.43	8.88	144.6	33.91
Illinois	**34,416**	**11,493**	**2.13**	**1.86**	**8.56**	**130.9**	**30.08**
Alabama	1,878	12,151	2.27	1.87	7.75	125.5	30.49
Florida	8,205	12,068	2.09	1.73	7.79	150.9	36.41
Georgia	1,124	12,117	1.08	.89	6.55	149.0	36.10
Illinois	11,652	10,710	2.38	2.22	9.69	125.6	26.90
Indiana	4,568	11,091	2.35	2.12	9.42	114.3	25.35
Iowa	379	11,952	1.82	1.52	8.63	120.3	28.75
Kentucky	236	11,787	2.51	2.13	10.22	101.0	23.81
Minnesota	23	12,030	1.11	.92	6.90	162.5	39.10
Mississippi	1,413	12,228	1.52	1.24	7.20	141.9	34.71
Missouri	1,579	11,723	1.89	1.61	7.39	138.9	32.56
Tennessee	2,643	12,351	1.95	1.58	7.86	104.6	25.83
Wisconsin	714	12,015	1.05	.87	6.02	135.4	32.54
Indiana	**31,132**	**11,112**	**2.33**	**2.10**	**9.16**	**106.7**	**23.72**
Illinois	440	11,060	1.99	1.80	8.73	142.8	31.59
Indiana	28,428	11,110	2.28	2.05	9.10	106.2	23.60
Kentucky	1,868	11,194	3.38	3.02	10.04	98.7	22.10
Michigan	156	11,068	2.32	2.09	10.22	132.1	29.24
Minnesota	83	10,791	.82	.76	9.40	157.3	33.94
Wisconsin	157	10,817	1.29	1.20	9.27	144.4	31.25
Kansas	**402**	**10,949**	**4.05**	**3.70**	**19.57**	**103.9**	**22.76**
Kansas	400	10,950	4.06	3.71	19.59	103.8	22.73
Missouri	2	10,900	3.50	3.21	17.50	123.6	26.94
Kentucky	**108,384**	**12,325**	**1.56**	**1.26**	**10.50**	**133.3**	**32.86**
Alabama	3,445	12,210	2.24	1.84	10.43	115.1	28.11
Delaware	31	12,648	.66	.52	7.65	174.6	44.17
Florida	11,336	13,533	1.37	1.01	8.49	166.9	45.17
Georgia	15,388	12,547	.97	.77	9.92	151.6	38.05
Illinois	102	12,031	2.24	1.86	11.04	125.2	30.11
Indiana	1,961	12,576	1.14	.90	9.28	119.7	30.10
Iowa	21	11,794	2.95	2.51	10.05	117.4	27.70
Kentucky	21,415	11,436	2.69	2.35	13.71	101.7	23.26
Maryland	334	13,004	.74	.57	7.35	140.6	36.57
Massachusetts	215	13,112	.74	.57	7.08	179.2	46.99
Michigan	4,140	12,753	.86	.68	8.78	145.2	37.04
Minnesota	*	13,500	1.00	.74	6.00	150.0	40.50
Mississippi	1,043	12,380	.89	.72	9.68	189.2	46.85
Missouri	43	13,250	1.31	.99	6.72	195.5	51.80
New Jersey	151	12,864	.80	.62	8.92	146.3	37.64
New York	354	12,953	.61	.47	8.06	180.6	46.78
North Carolina	12,198	12,428	.90	.73	10.04	142.8	35.49

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 23. Origin and Destination of Coal by State, 1999 (Continued)

Origin Destination	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Kentucky (Continued)							
Ohio	9,061	11,886	0.83	0.70	12.56	121.4	28.85
Pennsylvania	41	12,784	1.11	.87	10.52	143.4	36.65
South Carolina	10,982	12,783	1.13	.89	8.80	140.2	35.85
Tennessee	12,817	11,982	2.21	1.85	9.69	113.3	27.15
Virginia	3,140	12,748	1.75	1.37	8.08	140.8	35.90
West Virginia	105	11,860	1.06	.90	11.84	102.4	24.28
Wisconsin	58	13,314	1.07	.80	7.08	184.0	48.99
Louisiana	**2,810**	**6,963**	**.92**	**1.32**	**12.49**	**133.7**	**18.62**
Louisiana	2,810	6,963	.92	1.32	12.49	133.7	18.62
Maryland	**3,139**	**12,308**	**1.85**	**1.50**	**15.37**	**110.4**	**27.19**
Delaware	123	13,019	1.46	1.12	10.11	145.5	37.87
Maryland	227	13,066	1.48	1.14	9.97	130.8	34.19
Virginia	146	10,280	3.61	3.52	27.06	87.5	18.00
West Virginia	2,642	12,322	1.80	1.46	15.44	107.9	26.60
Missouri	**196**	**10,996**	**3.52**	**3.20**	**15.63**	**122.6**	**26.96**
Missouri	196	10,996	3.52	3.20	15.63	122.6	26.96
Montana	**36,464**	**9,004**	**.53**	**.59**	**6.84**	**114.7**	**20.66**
Arizona	70	9,372	.33	.35	4.21	122.8	23.02
Illinois	1,659	9,589	.35	.36	3.96	161.8	31.03
Iowa	116	9,381	.34	.36	4.16	143.9	27.01
Kansas	1,319	9,370	.34	.37	4.04	90.2	16.90
Michigan	9,314	9,428	.35	.37	4.45	145.8	27.48
Minnesota	8,616	8,911	.60	.67	7.54	111.0	19.77
Mississippi	1,949	9,390	.36	.39	4.49	148.3	27.85
Montana	9,777	8,419	.76	.90	10.06	73.6	12.40
South Dakota	1,499	8,715	.67	.77	9.39	92.8	16.17
Washington	1,502	9,342	.34	.37	4.22	122.7	22.93
Wisconsin	642	9,333	.34	.37	4.18	119.8	22.36
New Mexico	**27,144**	**9,397**	**.70**	**.75**	**19.83**	**137.7**	**25.89**
Arizona	10,857	9,733	.57	.59	15.47	143.9	28.00
New Mexico	16,059	9,132	.80	.87	22.86	132.9	24.27
Wisconsin	228	12,059	.59	.49	13.86	160.3	38.66
North Dakota	**24,649**	**6,547**	**.75**	**1.15**	**9.39**	**73.0**	**9.56**
North Dakota	24,649	6,547	.75	1.15	9.39	73.0	9.56
Ohio	**20,464**	**11,818**	**3.50**	**2.96**	**10.74**	**140.7**	**33.27**
Indiana	389	10,825	4.10	3.78	13.37	108.3	23.44
Iowa	*	12,789	4.23	3.31	8.30	139.9	35.78
Kentucky	172	12,400	4.09	3.30	9.67	85.5	21.21
Michigan	131	12,054	3.12	2.58	10.86	155.3	37.44
New Hampshire	7	13,017	2.44	1.87	6.20	157.6	41.03
New Jersey	16	12,702	2.46	1.94	6.66	155.5	39.50
Ohio	18,332	11,778	3.45	2.93	10.81	145.7	34.32
Pennsylvania	42	12,070	3.32	2.75	12.32	173.2	41.80
West Virginia	1,376	12,523	4.06	3.24	9.25	90.9	22.76
Oklahoma	**193**	**12,694**	**3.67**	**2.89**	**10.23**	**109.5**	**27.81**
Kansas	66	12,321	3.34	2.71	11.21	118.8	29.27
Missouri	15	12,121	3.40	2.80	13.70	130.5	31.63
Oklahoma	112	12,993	3.91	3.01	9.18	101.7	26.43
Pennsylvania	**45,215**	**12,812**	**1.86**	**1.45**	**9.74**	**123.8**	**31.73**
Alabama	59	13,228	2.59	1.96	7.64	112.7	29.82
Delaware	324	13,238	1.35	1.02	6.61	143.5	37.98
Florida	93	12,954	1.84	1.42	6.94	138.5	35.87
Indiana	635	13,106	2.07	1.58	7.51	111.5	29.23
Iowa	22	12,057	1.30	1.08	12.51	160.8	38.79
Kentucky	402	13,067	1.74	1.33	6.99	116.5	30.44
Maryland	3,114	13,123	1.51	1.15	7.55	137.0	35.95
Massachusetts	73	13,273	1.32	.99	6.53	161.8	42.95
Michigan	2,575	13,168	1.47	1.12	6.69	121.8	32.07
New Hampshire	638	13,186	1.61	1.22	6.80	158.3	41.73

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 23. Origin and Destination of Coal by State, 1999 (Continued)

Origin Destination	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Pennsylvania (Continued)							
New York	1,799	12,991	1.83	1.41	7.81	137.3	35.68
Ohio	4,336	13,185	2.01	1.53	7.56	110.5	29.13
Pennsylvania	24,942	12,580	1.96	1.56	11.55	125.5	31.58
Tennessee	898	13,215	2.33	1.76	7.76	107.7	28.45
Virginia	268	13,162	2.51	1.91	6.09	138.5	36.47
West Virginia	4,044	12,930	1.62	1.25	8.29	106.4	27.51
Wisconsin	992	13,115	1.59	1.21	6.78	141.0	36.99
Tennessee	**1,990**	**12,503**	**1.19**	**.95**	**10.83**	**131.8**	**32.96**
Alabama	429	12,400	.89	.72	14.50	136.9	33.96
South Carolina	467	12,862	1.36	1.06	7.66	155.9	40.10
Tennessee	1,088	12,389	1.24	1.00	10.74	119.0	29.49
Virginia	7	12,500	1.52	1.22	9.60	140.8	35.20
Texas	**49,750**	**6,347**	**.97**	**1.53**	**16.66**	**100.4**	**12.74**
Texas	49,750	6,347	.97	1.53	16.66	100.4	12.74
Utah	**18,469**	**11,765**	**.47**	**.40**	**9.53**	**106.6**	**25.07**
Illinois	338	11,560	.50	.43	9.35	138.4	31.99
Kansas	3	12,425	.45	.36	8.31	147.6	36.68
Missouri	104	12,132	.43	.36	8.01	117.4	28.49
Nebraska	3	11,378	.26	.23	7.40	127.4	28.99
Nevada	3,582	11,604	.44	.38	8.78	128.1	29.72
Oregon	287	11,870	.55	.46	11.93	102.6	24.36
Tennessee	1,207	12,343	.51	.42	8.05	124.0	30.62
Utah	12,945	11,755	.47	.40	9.84	98.1	23.08
Virginia	**19,739**	**12,875**	**1.00**	**.78**	**9.73**	**142.9**	**36.80**
Alabama	61	12,540	.82	.65	9.21	138.3	34.70
Delaware	213	13,412	.76	.57	7.28	173.9	46.64
Florida	876	12,467	.74	.59	9.53	201.1	50.14
Georgia	5,491	12,834	.87	.68	10.41	151.6	38.92
Indiana	997	13,864	.69	.50	5.61	157.1	43.57
Maryland	65	13,157	1.08	.82	9.40	153.2	40.32
New Jersey	716	13,761	.71	.51	5.95	140.6	38.70
North Carolina	659	12,739	.89	.69	10.75	143.8	36.63
Ohio	400	13,612	.69	.51	5.80	133.1	36.23
Pennsylvania	20	12,505	1.02	.82	13.05	143.5	35.90
South Carolina	998	12,944	1.22	.94	9.30	149.9	38.81
Tennessee	2,164	12,749	1.54	1.21	10.17	129.6	33.05
Virginia	7,078	12,714	1.04	.82	10.30	129.7	32.97
Washington	**3,984**	**7,803**	**.90**	**1.16**	**15.05**	**171.0**	**26.68**
Washington	3,984	7,803	.90	1.16	15.05	171.0	26.68
West Virginia	**103,634**	**12,375**	**1.47**	**1.19**	**11.41**	**135.5**	**33.55**
Alabama	457	12,063	2.66	2.20	11.33	112.7	27.18
Delaware	513	12,543	.71	.57	11.65	165.0	41.39
Florida	2,400	12,908	1.70	1.31	8.73	151.3	39.07
Georgia	3,843	12,074	.69	.57	13.01	179.9	43.45
Indiana	2,489	12,353	1.38	1.12	9.78	119.5	29.53
Iowa	22	12,054	1.30	1.08	12.52	160.9	38.79
Kentucky	7,486	12,189	1.71	1.40	11.86	108.2	26.38
Maryland	7,373	12,861	.96	.75	10.11	138.3	35.57
Massachusetts	106	13,177	.79	.60	7.96	169.7	44.73
Michigan	5,293	12,508	1.10	.88	10.49	142.6	35.68
New Hampshire	184	13,351	2.25	1.69	6.71	152.0	40.58
New Jersey	1,710	12,924	1.33	1.03	9.76	147.2	38.04
New York	1,268	13,188	2.25	1.71	7.49	138.3	36.49
North Carolina	12,718	12,457	.79	.63	10.71	144.7	36.05
Ohio	17,541	12,068	1.24	1.03	12.91	142.7	34.45
Pennsylvania	8,887	12,474	2.68	2.15	10.89	142.0	35.42
South Carolina	430	13,104	1.31	1.00	8.34	143.0	37.49
Virginia	2,292	12,699	1.22	.96	8.92	141.4	35.92
West Virginia	28,614	12,278	1.77	1.44	12.06	122.3	30.03
Wisconsin	12	13,073	3.07	2.35	7.10	141.4	36.97

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 23. Origin and Destination of Coal by State, 1999 (Continued)

Origin Destination	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Wyoming	**321,127**	**8,658**	**0.33**	**0.38**	**5.33**	**107.3**	**18.59**
Alabama	10,332	8,679	.34	.39	5.07	116.6	20.24
Arizona	132	8,800	.28	.31	5.04	119.5	21.03
Arkansas	15,406	8,651	.27	.31	4.75	145.6	25.19
Colorado	7,947	8,582	.30	.35	4.77	83.6	14.35
Florida	430	8,802	.20	.22	4.47	126.4	22.25
Georgia	6,821	8,724	.34	.39	5.38	151.5	26.44
Illinois	20,983	8,739	.33	.38	5.11	155.8	27.22
Indiana	17,466	8,952	.30	.33	4.97	112.6	20.17
Iowa	20,566	8,453	.37	.44	5.41	79.2	13.40
Kansas	17,178	8,424	.34	.40	5.01	93.7	15.78
Kentucky	768	8,783	.28	.32	5.03	104.3	18.31
Louisiana	11,044	8,451	.50	.59	6.11	141.1	23.85
Michigan	10,864	8,785	.27	.31	5.06	102.1	17.94
Minnesota	7,825	8,819	.25	.28	4.84	107.2	18.90
Mississippi	201	8,685	.42	.48	5.46	136.0	23.63
Missouri	35,546	8,798	.25	.28	4.87	89.3	15.71
Montana	640	8,675	.21	.24	4.46	58.8	10.21
Nebraska	11,968	8,498	.30	.35	5.06	55.4	9.42
North Dakota	*	7,072	.64	.90	6.81	54.2	7.67
Ohio	1,897	8,785	.25	.28	5.09	116.2	20.41
Oklahoma	20,888	8,596	.29	.33	5.16	91.2	15.67
Oregon	2,025	8,535	.37	.43	5.60	109.2	18.65
South Dakota	560	8,401	.40	.48	6.77	96.0	16.13
Tennessee	3,936	8,750	.32	.36	5.41	94.6	16.55
Texas	50,024	8,577	.34	.39	5.30	133.6	22.92
Wisconsin	20,283	8,651	.30	.34	5.11	93.4	16.16
Wyoming	25,396	8,784	.51	.58	7.62	76.2	13.39
Imported	**4,969**	**11,906**	**.57**	**.48**	**5.57**	**148.6**	**35.39**
Alabama	553	11,641	.54	.47	3.90	161.5	37.60
Connecticut	35	13,541	.61	.45	4.85	169.3	45.85
Florida	2,064	11,319	.52	.46	5.88	145.7	32.99
Georgia	434	12,535	.75	.60	7.24	139.2	34.91
Maryland	29	12,003	.68	.57	6.00	131.5	31.57
Mississippi	717	11,706	.43	.37	4.24	145.6	34.09
New Hampshire	507	12,990	.67	.52	5.53	142.6	37.05
New Jersey	5	12,842	.78	.61	6.21	193.0	49.57
New York	626	12,890	.65	.50	6.43	160.2	41.30
Total	**908,232**	**10,174**	**1.01**	**.99**	**9.01**	**121.7**	**24.76**

* = Number less than 0.5 rounded to zero.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • MM Btu = million Btu.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc Lowman	**1,553**	**11,821**	**1.22**	**1.03**	**8.72**	**139.9**	**33.07**
Alabama	702	11,868	1.62	1.37	12.55	137.0	32.52
Fayette	630	11,883	1.68	1.41	12.46	136.4	32.42
Jefferson	72	11,737	1.13	.96	13.35	142.1	33.35
Illinois	545	11,926	1.07	.90	6.05	143.4	34.21
Gallatin	20	12,376	2.73	2.21	9.21	129.8	32.13
Jefferson	526	11,909	1.01	.85	5.93	143.9	34.28
Kentucky	14	11,768	1.00	.85	10.98	146.3	34.42
Martin	14	11,768	1.00	.85	10.98	146.3	34.42
Imported	291	11,513	.54	.47	4.39	139.8	32.19
Imported Coal	291	11,513	.54	.47	4.39	139.8	32.19
Alabama Power Co Barry[1]	**4,095**	**12,190**	**.71**	**.58**	**12.09**	**206.7**	**50.39**
Alabama	3,774	12,220	.72	.59	12.79	207.5	50.71
Jefferson	3,774	12,220	.72	.59	12.79	207.5	50.71
Illinois	60	12,073	.91	.75	6.04	245.9	59.38
Jefferson	60	12,073	.91	.75	6.04	245.9	59.38
Imported	262	11,783	.55	.46	3.36	185.1	43.62
Imported Coal	262	11,783	.55	.46	3.36	185.1	43.62
Alabama Power Co Gadsden	**240**	**12,416**	**1.85**	**1.49**	**13.37**	**153.6**	**38.14**
Alabama	240	12,416	1.85	1.49	13.37	153.6	38.14
Jefferson	240	12,416	1.85	1.49	13.37	153.6	38.14
Alabama Power Co Gaston	**4,487**	**12,223**	**.95**	**.78**	**11.93**	**180.8**	**44.20**
Alabama	4,451	12,223	.95	.78	11.93	181.0	44.25
Bibb	30	11,971	1.35	1.13	14.79	115.7	27.70
Fayette	279	12,116	1.81	1.50	12.66	140.1	33.94
Jefferson	566	10,578	.57	.54	10.74	177.5	37.55
Tuscaloosa	3,450	12,497	.92	.74	12.02	186.5	46.62
Walker	126	12,403	1.54	1.24	12.43	146.2	36.28
Kentucky	36	12,237	.98	.80	11.39	156.4	38.27
Knott	10	12,403	1.10	.89	12.40	175.7	43.58
Letcher	27	12,177	.93	.77	11.03	149.2	36.33
Alabama Power Co Gorgas[1]	**3,273**	**11,968**	**1.37**	**1.15**	**13.51**	**147.4**	**35.29**
Alabama	3,256	11,965	1.37	1.14	13.53	147.6	35.32
Fayette	500	12,134	1.80	1.48	12.62	142.7	34.63
Jefferson	1,721	11,889	1.13	.95	13.96	159.1	37.83
Tuscaloosa	156	12,393	.89	.72	12.10	115.1	28.54
Walker	879	11,941	1.67	1.39	13.47	133.9	31.98
Kentucky	17	12,562	2.31	1.84	8.84	119.3	29.97
Union	17	12,562	2.31	1.84	8.84	119.3	29.97
Alabama Power Co Greene	**1,446**	**12,446**	**2.05**	**1.65**	**9.65**	**120.9**	**30.09**
Illinois	52	11,956	.93	.78	6.63	121.3	29.00
Saline	52	11,956	.93	.78	6.63	121.3	29.00
Kentucky	1,381	12,467	2.10	1.69	9.73	120.7	30.09
Union	1,381	12,467	2.10	1.69	9.73	120.7	30.09
West Virginia	14	12,256	1.35	1.10	12.58	139.4	34.17
Clay	14	12,256	1.35	1.10	12.58	139.4	34.17
Alabama Power Co James Miller	**10,856**	**8,857**	**.35**	**.40**	**5.40**	**122.3**	**21.66**
Alabama	525	12,350	.62	.50	11.91	200.9	49.63
Jefferson	499	12,342	.62	.50	11.96	199.2	49.18
Tuscaloosa	25	12,493	.65	.52	10.86	233.8	58.42
Wyoming	10,332	8,679	.34	.39	5.07	116.6	20.24
Campbell	10,332	8,679	.34	.39	5.07	116.6	20.24
American Mun Power Ohio Inc Richard Gorsuch	**832**	**11,583**	**4.70**	**4.05**	**15.05**	**89.6**	**20.75**
Ohio	832	11,583	4.70	4.05	15.05	89.6	20.75
Noble	832	11,583	4.70	4.05	15.05	89.6	20.75
Ames City of Ames	**238**	**8,884**	**.18**	**.21**	**4.34**	**140.9**	**25.03**
Wyoming	238	8,884	.18	.21	4.34	140.9	25.03
Campbell	238	8,884	.18	.21	4.34	140.9	25.03
Appalachian Power Co Amos	**6,685**	**12,184**	**.77**	**.63**	**11.82**	**131.2**	**31.97**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Appalachian Power Co Amos							
West Virginia	6,685	12,184	0.77	0.63	11.82	131.2	31.97
Boone	5,038	12,206	.77	.63	11.42	133.6	32.61
Clay	117	12,389	.70	.57	11.88	154.4	38.27
Fayette	44	12,138	.76	.62	12.64	139.4	33.84
Kanawha	1,215	12,087	.77	.64	13.25	121.5	29.38
Logan	249	12,075	.71	.59	12.73	118.8	28.70
Nicholas	23	12,548	.66	.53	11.60	112.7	28.28
Appalachian Power Co Clinch River	**1,665**	**12,444**	**.71**	**.57**	**14.16**	**130.3**	**32.42**
Virginia	1,665	12,444	.71	.57	14.16	130.3	32.42
Dickenson	96	13,392	.81	.61	8.20	114.3	30.60
Russell	1,485	12,360	.70	.57	14.81	131.7	32.57
Wise	84	12,839	.86	.67	9.34	124.1	31.86
Appalachian Power Co Glen Lyn	**778**	**12,857**	**.88**	**.69**	**9.78**	**134.9**	**34.69**
Virginia	778	12,857	.88	.69	9.78	134.9	34.69
Buchanan	167	12,606	.85	.68	10.71	135.2	34.09
Wise	611	12,925	.89	.69	9.52	134.8	34.86
Appalachian Power Co Kanawha River	**906**	**12,153**	**.80**	**.66**	**12.64**	**130.7**	**31.76**
West Virginia	906	12,153	.80	.66	12.64	130.7	31.76
Boone	3	12,160	.93	.77	12.26	99.3	24.14
Clay	257	12,478	.78	.63	11.54	164.5	41.06
Fayette	233	12,069	.80	.66	12.93	120.7	29.13
Kanawha	413	11,999	.81	.67	13.17	114.7	27.52
Appalachian Power Co Mountaineer	**3,614**	**12,218**	**.67**	**.55**	**11.90**	**135.6**	**33.13**
West Virginia	3,614	12,218	.67	.55	11.90	135.6	33.13
Boone	1,092	12,284	.68	.56	12.27	133.1	32.70
Clay	636	12,430	.68	.54	11.85	147.9	36.77
Fayette	43	12,332	.70	.57	12.05	163.3	40.29
Kanawha	605	12,233	.68	.55	12.80	120.0	29.36
Mingo	9	12,096	.66	.55	11.30	110.1	26.64
Nicholas	336	12,423	.67	.54	12.04	139.5	34.65
Wayne	892	11,896	.66	.55	10.83	137.8	32.79
Wyoming	1	11,226	.67	.60	12.30	119.6	26.85
Arizona Electric Pwr Coop Inc Apache	**1,435**	**9,929**	**.46**	**.47**	**14.89**	**116.2**	**23.06**
Colorado	18	11,308	.46	.41	9.78	163.0	36.86
Routt	18	11,308	.46	.41	9.78	163.0	36.86
New Mexico	1,407	9,921	.46	.47	15.03	115.3	22.87
Mckinley	1,407	9,921	.46	.47	15.03	115.3	22.87
Wyoming	11	8,763	.56	.64	5.84	148.7	26.06
Campbell	11	8,763	.56	.64	5.84	148.7	26.06
Arizona Public Service Co Cholla	**3,791**	**9,942**	**.46**	**.46**	**14.09**	**140.9**	**28.01**
Colorado	237	10,577	.39	.37	5.96	145.0	30.68
La Plata	14	12,693	.89	.70	8.15	138.1	35.06
Moffat	223	10,444	.36	.34	5.82	145.6	30.41
Montana	70	9,372	.33	.35	4.21	122.8	23.02
Big Horn	70	9,372	.33	.35	4.21	122.8	23.02
New Mexico	3,425	9,930	.47	.47	15.00	141.4	28.08
Colfax	206	11,754	.59	.50	16.48	165.3	38.87
Mckinley	3,219	9,813	.46	.47	14.90	139.5	27.39
Wyoming	59	8,747	.32	.37	5.58	111.4	19.48
Campbell	59	8,747	.32	.37	5.58	111.4	19.48
Arizona Public Service Co Four Corners	**8,510**	**8,985**	**.76**	**.85**	**21.17**	**100.1**	**17.99**
New Mexico	8,510	8,985	.76	.85	21.17	100.1	17.99
San Juan	8,510	8,985	.76	.85	21.17	100.1	17.99
Arkansas Power & Light Co Independence	**6,797**	**8,837**	**.21**	**.23**	**4.49**	**134.3**	**23.74**
Wyoming	6,797	8,837	.21	.23	4.49	134.3	23.74
Campbell	6,797	8,837	.21	.23	4.49	134.3	23.74
Arkansas Power & Light Co Whitebluff	**6,281**	**8,478**	**.34**	**.40**	**5.12**	**159.9**	**27.11**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Arkansas Power & Light Co Whitebluff							
Wyoming	6,281	8,478	0.34	0.40	5.12	159.9	27.11
Campbell	6,281	8,478	.34	.40	5.12	159.9	27.11
Associated Electric Coop Inc Hill	**4,789**	**8,887**	**.19**	**.21**	**4.38**	**72.3**	**12.85**
Wyoming	4,789	8,887	.19	.21	4.38	72.3	12.85
Campbell	4,789	8,887	.19	.21	4.38	72.3	12.85
Associated Electric Coop Inc Madrid	**4,352**	**8,887**	**.19**	**.21**	**4.36**	**95.1**	**16.91**
Kentucky	3	11,214	2.43	2.17	8.01	130.0	29.16
Henderson	3	11,214	2.43	2.17	8.01	130.0	29.16
Wyoming	4,349	8,885	.18	.21	4.36	95.1	16.90
Campbell	4,349	8,885	.18	.21	4.36	95.1	16.90
Atlantic City Electric Co Deepwater	**114**	**12,885**	**.87**	**.68**	**10.32**	**156.0**	**40.20**
West Virginia	114	12,885	.87	.68	10.32	156.0	40.20
Webster	114	12,885	.87	.68	10.32	156.0	40.20
Atlantic City Electric Co England	**565**	**12,884**	**2.38**	**1.84**	**9.53**	**157.4**	**40.56**
Ohio	16	12,702	2.46	1.94	6.66	155.5	39.50
Columbiana	16	12,702	2.46	1.94	6.66	155.5	39.50
West Virginia	550	12,889	2.37	1.84	9.61	157.5	40.59
Monongalia	176	13,400	2.32	1.73	6.67	142.2	38.12
Upshur	373	12,648	2.40	1.89	10.99	165.1	41.76
Baltimore Gas & Electric Co Crane	**813**	**13,213**	**1.66**	**1.26**	**7.30**	**138.2**	**36.51**
Pennsylvania	295	13,076	1.75	1.34	6.88	135.6	35.46
Greene	295	13,076	1.75	1.34	6.88	135.6	35.46
West Virginia	518	13,291	1.61	1.21	7.54	139.6	37.11
Marion	135	13,267	2.11	1.59	7.29	136.2	36.15
Monongalia	127	13,305	2.06	1.55	7.61	135.8	36.14
Upshur	256	13,298	1.12	.84	7.64	143.2	38.09
Baltimore Gas & Electric Co Brandon Shores	**3,770**	**12,571**	**.71**	**.56**	**11.34**	**139.2**	**34.99**
Kentucky	319	13,010	.73	.56	7.33	140.3	36.51
Letcher	212	12,992	.73	.56	7.34	138.5	35.99
Pike	107	13,046	.72	.56	7.30	143.9	37.55
West Virginia	3,422	12,535	.71	.56	11.76	139.1	34.87
Boone	468	12,986	.74	.57	8.61	142.0	36.87
Kanawha	1,694	12,412	.71	.58	12.66	138.1	34.28
Logan	735	12,399	.69	.56	12.17	138.0	34.22
Nicholas	454	12,629	.68	.54	11.53	141.3	35.70
Raleigh	35	13,488	.64	.47	6.29	139.9	37.73
Webster	36	13,116	.69	.53	9.64	141.5	37.12
Imported	29	12,003	.68	.57	6.00	131.5	31.57
Imported Coal	29	12,003	.68	.57	6.00	131.5	31.57
Baltimore Gas & Electric Co Wagner	**961**	**12,913**	**.89**	**.69**	**9.34**	**141.4**	**36.53**
Kentucky	15	12,886	.94	.73	7.90	146.3	37.70
Pike	15	12,886	.94	.73	7.90	146.3	37.70
West Virginia	946	12,914	.89	.69	9.36	141.4	36.51
Mingo	7	12,803	.96	.75	9.80	191.1	48.93
Raleigh	4	10,814	.88	.81	13.00	101.7	22.00
Webster	921	12,911	.89	.69	9.40	141.2	36.46
Unknown[2]	14	13,730	.78	.57	5.80	136.4	37.46
Basin Electric Power Coop Laramie River	**7,406**	**8,361**	**.41**	**.49**	**5.45**	**44.3**	**7.41**
Wyoming	7,406	8,361	.41	.49	5.45	44.3	7.41
Campbell	7,406	8,361	.41	.49	5.45	44.3	7.41
Basin Electric Power Coop Antelope Valley	**5,430**	**6,595**	**.68**	**1.03**	**8.74**	**68.9**	**9.09**
North Dakota	5,430	6,595	.68	1.03	8.74	68.9	9.09
Mercer	5,430	6,595	.68	1.03	8.74	68.9	9.09
Basin Electric Power Coop Leland Olds	**3,598**	**6,663**	**.70**	**1.05**	**7.78**	**76.5**	**10.20**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Basin Electric Power Coop Leland Olds							
North Dakota	3,598	6,663	0.70	1.05	7.78	76.5	10.20
Mercer	3,247	6,655	.69	1.04	7.82	76.5	10.18
Big Rivers Electric Corp Reid-Henderson II	**263**	**11,422**	**2.58**	**2.26**	**8.77**	**103.5**	**23.65**
Kentucky	263	11,422	2.58	2.26	8.77	103.5	23.65
Daviess	263	11,422	2.58	2.26	8.77	103.5	23.65
Black Hills Corp Neal Simpson II	**496**	**8,078**	**.57**	**.70**	**7.04**	**42.7**	**6.90**
Wyoming	496	8,078	.57	.70	7.04	42.7	6.90
Campbell	496	8,078	.57	.70	7.04	42.7	6.90
Cajun Electric Power Coop Inc Big Cajun No.2	**6,648**	**8,338**	**.46**	**.55**	**5.78**	**146.2**	**24.39**
Wyoming	6,648	8,338	.46	.55	5.78	146.2	24.39
Campbell	5,227	8,341	.46	.55	5.75	144.7	24.14
Converse	1,421	8,327	.46	.55	5.86	151.7	25.27
Cardinal Operating Co Cardinal	**3,660**	**12,273**	**1.52**	**1.23**	**12.01**	**225.0**	**55.24**
Kentucky	568	12,425	.70	.57	10.71	135.8	33.73
Breathitt	97	12,047	.83	.69	11.36	117.1	28.21
Floyd	2	12,198	.65	.54	11.62	138.7	33.83
Knott	223	12,530	.67	.54	10.50	140.6	35.23
Magoffin	223	12,530	.67	.54	10.50	140.6	35.23
Pike	23	11,995	.78	.65	11.97	117.0	28.07
Ohio	281	11,725	2.90	2.47	12.46	110.2	25.83
Belmont	281	11,725	2.90	2.47	12.46	110.2	25.83
Pennsylvania	79	13,148	2.38	1.81	7.66	99.7	26.22
Greene	79	13,148	2.38	1.81	7.66	99.7	26.22
West Virginia	2,732	12,273	1.52	1.24	12.36	259.0	63.56
Boone	200	12,729	.81	.64	9.76	128.3	32.65
Brooke	669	12,289	3.84	3.12	10.66	598.7	147.16
Fayette	63	12,049	.86	.72	12.87	123.3	29.72
Kanawha	917	12,193	.71	.58	13.70	168.7	41.13
Logan	502	12,168	.67	.55	12.76	142.2	34.60
Marshall	2	12,301	3.46	2.81	9.80	82.0	20.17
Nicholas	57	11,955	.90	.75	13.71	117.5	28.10
Webster	322	12,447	.99	.80	12.74	125.7	31.28
Carolina Power & Light Co Asheville	**951**	**12,752**	**1.01**	**.80**	**10.47**	**142.1**	**36.24**
Kentucky	644	12,638	1.03	.81	10.94	140.8	35.60
Bell	222	12,381	1.15	.93	11.15	128.6	31.84
Pike	422	12,774	.96	.76	10.83	147.1	37.57
Virginia	111	12,697	1.15	.90	11.71	124.4	31.59
Wise	111	12,697	1.15	.90	11.71	124.4	31.59
West Virginia	196	13,156	.90	.68	8.26	155.8	41.00
Boone	196	13,156	.90	.68	8.26	155.8	41.00
Carolina Power & Light Co Cape Fear	**658**	**12,331**	**1.03**	**.83**	**10.15**	**146.6**	**36.16**
Kentucky	304	12,212	1.16	.95	11.13	148.3	36.21
Johnson	218	12,054	1.23	1.02	11.47	145.2	35.01
Martin	19	12,383	1.03	.84	9.88	150.3	37.23
Pike	67	12,680	.99	.78	10.40	157.1	39.85
West Virginia	354	12,433	.91	.73	9.31	145.3	36.12
Mingo	174	12,621	.96	.76	8.92	142.6	35.99
Wayne	181	12,253	.87	.71	9.68	147.9	36.24
Carolina Power & Light Co Lee	**662**	**12,450**	**.97**	**.78**	**9.57**	**152.7**	**38.03**
Kentucky	218	12,325	1.05	.85	10.36	152.3	37.55
Floyd	15	12,620	1.04	.83	9.00	161.2	40.68
Martin	155	12,231	1.08	.88	10.30	151.8	37.13
Pike	47	12,538	.97	.77	11.00	151.2	37.92
Virginia	10	12,725	1.24	.97	11.60	156.6	39.85
Wise	10	12,725	1.24	.97	11.60	156.6	39.85
West Virginia	434	12,507	.92	.74	9.12	152.8	38.23
Boone	51	13,019	.85	.66	8.51	153.7	40.02
Mingo	152	12,738	1.01	.79	8.22	150.6	38.36
Wayne	230	12,239	.88	.72	9.86	154.2	37.74

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Carolina Power & Light Co Mayo	**1,533**	**12,573**	**0.65**	**0.52**	**9.14**	**149.0**	**37.46**
Kentucky	901	12,780	.65	.51	7.94	148.9	38.06
Martin	890	12,781	.65	.51	7.93	148.9	38.06
Pike	11	12,634	.71	.56	8.80	150.1	37.93
West Virginia	632	12,279	.66	.53	10.86	149.0	36.60
Logan	11	13,061	.65	.50	9.20	146.4	38.24
Mingo	621	12,266	.66	.54	10.88	149.1	36.57
Carolina Power & Light Co Robinson	**364**	**13,096**	**1.46**	**1.12**	**8.08**	**144.3**	**37.78**
Kentucky	81	12,717	1.21	.95	9.09	152.0	38.67
Floyd	9	12,375	1.05	.85	9.80	162.5	40.22
Knott	63	12,743	1.27	.99	9.05	149.9	38.21
Pike	9	12,866	.99	.77	8.70	156.5	40.27
West Virginia	282	13,206	1.54	1.16	7.79	142.1	37.53
Boone	152	13,195	.92	.70	7.88	153.8	40.58
Monongalia	121	13,222	2.29	1.73	7.71	128.8	34.05
Webster	9	13,172	1.69	1.28	7.50	125.8	33.14
Carolina Power & Light Co Roxboro	**5,967**	**12,440**	**.89**	**.71**	**10.60**	**146.9**	**36.56**
Kentucky	1,723	12,301	1.05	.85	10.82	141.2	34.74
Johnson	727	11,908	1.26	1.06	12.33	133.7	31.85
Martin	440	12,601	.83	.66	8.89	146.7	36.97
Pike	556	12,577	.95	.75	10.39	146.1	36.74
Virginia	34	12,743	.95	.75	11.42	145.9	37.18
Wise	34	12,743	.95	.75	11.42	145.9	37.18
West Virginia	4,210	12,495	.82	.66	10.50	149.2	37.30
Boone	1,314	12,957	.89	.68	9.14	162.4	42.08
Logan	92	12,852	.70	.54	9.64	140.0	35.97
Mingo	2,035	12,248	.74	.60	11.45	144.5	35.39
Nicholas	131	12,288	1.14	.93	13.46	121.5	29.86
Wayne	639	12,323	.89	.72	9.76	143.1	35.26
Carolina Power & Light Co Sutton	**1,126**	**12,806**	**.94**	**.74**	**9.62**	**152.4**	**39.03**
Kentucky	342	12,662	1.03	.82	9.11	147.4	37.33
Floyd	53	12,730	1.08	.85	8.10	145.7	37.09
Harlan	31	12,881	.91	.71	8.17	155.2	39.99
Knott	202	12,666	1.03	.81	9.12	147.2	37.30
Letcher	15	12,484	1.14	.91	11.00	142.2	35.51
Perry	*	10,595	1.07	1.01	15.70	170.0	36.02
Pike	40	12,459	1.03	.82	10.39	146.3	36.45
West Virginia	784	12,869	.90	.70	9.84	154.5	39.76
Boone	670	13,114	.87	.66	8.15	159.6	41.85
Nicholas	37	12,325	1.05	.85	12.79	132.8	32.72
Raleigh	77	10,999	1.13	1.02	23.16	113.7	25.02
Carolina Power & Light Co Weatherspoon	**284**	**12,817**	**.99**	**.77**	**8.52**	**162.4**	**41.62**
Kentucky	167	12,583	1.08	.86	9.23	155.9	39.23
Floyd	15	12,684	1.16	.91	7.50	154.6	39.22
Knott	122	12,562	1.06	.84	9.49	156.3	39.28
Pike	30	12,618	1.14	.90	9.05	154.7	39.05
West Virginia	117	13,151	.85	.65	7.52	171.2	45.03
Boone	117	13,151	.85	.65	7.52	171.2	45.03
Cedar Falls City of Streeter	**44**	**12,057**	**1.31**	**1.09**	**12.51**	**160.8**	**38.78**
Ohio	*	12,789	4.23	3.31	8.30	139.9	35.78
Belmont	*	12,789	4.23	3.31	8.30	139.9	35.78
Pennsylvania	22	12,057	1.30	1.08	12.51	160.8	38.79
Greene	*	13,195	1.32	1.00	8.90	139.9	36.92
Washington	22	12,054	1.30	1.08	12.52	160.9	38.79
West Virginia	22	12,054	1.30	1.08	12.52	160.9	38.79
Kanawha	22	12,054	1.30	1.08	12.52	160.9	38.79
Central Electric Pwr Coop-MO Chamois	**135**	**11,014**	**2.73**	**2.48**	**9.06**	**127.7**	**28.14**
Illinois	135	11,014	2.73	2.48	9.06	127.7	28.14
Jackson	10	11,336	2.21	1.95	9.11	127.0	28.79
McDonough	21	10,687	3.12	2.92	8.02	131.2	28.05
Randolph	104	11,050	2.70	2.44	9.26	127.1	28.10

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Hudson Gas & Elec Corp Danskammer	**857**	**12,935**	**0.65**	**0.51**	**6.92**	**161.9**	**41.89**
Kentucky	115	12,984	.66	.51	8.18	168.9	43.87
Martin	115	12,984	.66	.51	8.18	168.9	43.87
West Virginia	116	13,131	.68	.52	8.27	164.3	43.14
Mingo	116	13,131	.68	.52	8.27	164.3	43.14
Imported	626	12,890	.65	.50	6.43	160.2	41.30
Imported Coal	626	12,890	.65	.50	6.43	160.2	41.30
Central Illinois Light Co Duck Creek	**1,002**	**10,666**	**3.37**	**3.16**	**8.32**	**172.6**	**36.82**
Illinois	885	10,596	3.50	3.30	8.28	174.0	36.87
Macoupin	885	10,596	3.50	3.30	8.28	174.0	36.87
Indiana	117	11,197	2.39	2.13	8.68	162.7	36.43
Knox	117	11,197	2.39	2.13	8.68	162.7	36.43
Central Illinois Light Co Edwards	**1,667**	**11,046**	**1.94**	**1.76**	**7.88**	**123.8**	**27.34**
Illinois	1,652	11,044	1.95	1.77	7.89	123.5	27.28
Jefferson	604	12,119	1.03	.85	6.20	131.7	31.92
Logan	652	10,469	3.10	2.96	9.36	115.2	24.13
Macoupin	396	10,351	1.46	1.41	8.05	122.7	25.41
Indiana	15	11,259	.76	.68	7.00	148.2	33.37
Knox	15	11,259	.76	.68	7.00	148.2	33.37
Central Illinois Pub Serv Co Grand Tower	**222**	**11,219**	**2.87**	**2.56**	**10.75**	**100.9**	**22.63**
Illinois	222	11,219	2.87	2.56	10.75	100.9	22.63
Jackson	222	11,219	2.87	2.56	10.75	100.9	22.63
Central Illinois Pub Serv Co Hutsonville	**182**	**10,997**	**2.77**	**2.52**	**9.05**	**109.0**	**23.98**
Indiana	182	10,997	2.77	2.52	9.05	109.0	23.98
Daviess	152	11,000	2.81	2.55	9.00	109.0	23.98
Greene	24	11,000	2.81	2.55	9.00	108.9	23.96
Sullivan	6	10,900	1.60	1.47	10.50	110.6	24.11
Central Illinois Pub Serv Co Coffeen	**1,858**	**10,221**	**.96**	**.94**	**8.09**	**179.1**	**36.61**
Illinois	1,759	10,300	1.00	.97	8.29	182.8	37.66
Macoupin	1,759	10,300	1.00	.97	8.29	182.8	37.66
Wyoming	99	8,820	.23	.26	4.50	102.2	18.04
Campbell	99	8,820	.23	.26	4.50	102.2	18.04
Central Illinois Pub Serv Co Newton	**3,504**	**9,049**	**.27**	**.30**	**5.24**	**109.0**	**19.73**
Colorado	236	11,200	.53	.47	11.00	84.3	18.88
Routt	236	11,200	.53	.47	11.00	84.3	18.88
Indiana	118	11,000	.66	.60	8.50	171.3	37.68
Knox	118	11,000	.66	.60	8.50	171.3	37.68
Wyoming	3,150	8,815	.24	.27	4.68	108.4	19.12
Campbell	3,150	8,815	.24	.27	4.68	108.4	19.12
Central Illinois Pub Serv Co Meredosia	**576**	**10,790**	**1.86**	**1.73**	**8.18**	**113.1**	**24.41**
Illinois	568	10,787	1.88	1.74	8.18	112.1	24.18
Jackson	124	11,206	2.80	2.50	10.68	122.6	27.48
McDonough	18	11,300	2.83	2.50	6.00	132.5	29.94
Macoupin	394	10,590	1.47	1.39	7.67	103.8	22.00
Saline	27	11,300	2.83	2.50	6.00	162.8	36.79
Schuyler	5	11,300	2.83	2.50	6.00	113.2	25.58
Indiana	8	11,000	.66	.60	8.60	184.1	40.50
Knox	8	11,000	.66	.60	8.60	184.1	40.50
Central Iowa Power Coop Fair	**191**	**12,168**	**2.79**	**2.29**	**9.55**	**113.4**	**27.60**
Illinois	170	12,215	2.77	2.27	9.49	112.9	27.58
Gallatin	46	12,811	2.55	1.99	8.39	109.6	28.09
Jackson	50	11,228	2.53	2.26	9.35	116.6	26.19
Saline	74	12,511	3.07	2.45	10.25	112.8	28.22
Kentucky	21	11,794	2.95	2.51	10.05	117.4	27.70
Hopkins	21	11,794	2.95	2.51	10.05	117.4	27.70
Central Louisiana Elec Co Inc Dolet Hills	**2,810**	**6,963**	**.92**	**1.32**	**12.49**	**133.7**	**18.62**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Louisiana Elec Co Inc Dolet Hills							
Louisiana	2,810	6,963	0.92	1.32	12.49	133.7	18.62
De Soto	2,105	6,937	.98	1.41	12.20	132.0	18.32
Red River	705	7,042	.73	1.04	13.34	138.5	19.51
Central Louisiana Elec Co Inc Rodemacher	**2,054**	**8,614**	**.68**	**.79**	**7.54**	**138.2**	**23.80**
Wyoming	2,054	8,614	.68	.79	7.54	138.2	23.80
Campbell	2,054	8,614	.68	.79	7.54	138.2	23.80
Central Operating Co Sporn	**2,658**	**12,146**	**1.49**	**1.22**	**12.49**	**122.7**	**29.79**
Kentucky	105	11,860	1.06	.90	11.84	102.4	24.28
Clay	2	11,692	.99	.85	13.40	103.0	24.09
Martin	67	11,858	1.05	.88	11.34	102.5	24.30
Pike	36	11,874	1.10	.92	12.72	102.1	24.25
Pennsylvania	262	13,075	1.50	1.15	7.24	105.3	27.55
Greene	262	13,075	1.50	1.15	7.24	105.3	27.55
West Virginia	2,292	12,053	1.50	1.25	13.12	125.7	30.30
Boone	53	11,889	1.04	.88	12.86	109.8	26.10
Brooke	54	12,351	3.00	2.43	9.60	484.0	119.56
Clay	348	12,316	1.39	1.13	11.99	158.7	39.08
Fayette	251	12,062	1.25	1.04	12.99	124.6	30.05
Kanawha	402	12,008	1.16	.96	13.24	115.8	27.82
Lincoln	2	11,738	1.20	1.02	11.49	103.8	24.36
Marshall	7	12,202	3.94	3.23	10.80	82.0	20.01
Monongalia	1,015	11,989	1.69	1.41	13.81	103.4	24.79
Wayne	140	11,920	1.37	1.15	12.25	102.9	24.53
Unknown[2]	19	11,975	1.74	1.46	14.05	100.1	23.96
Central Power & Light Co Coleto Creek	**2,583**	**9,658**	**.30**	**.32**	**5.39**	**140.5**	**27.14**
Colorado	1,310	10,603	.40	.38	6.12	143.9	30.52
Gunnison	162	11,651	.49	.42	8.72	145.5	33.91
Moffat	1,148	10,455	.39	.37	5.75	143.7	30.04
Wyoming	1,274	8,687	.21	.24	4.63	136.2	23.67
Campbell	1,274	8,687	.21	.24	4.63	136.2	23.67
Cincinnati Gas & Electric Co East Bend	**1,854**	**12,219**	**2.21**	**1.81**	**10.98**	**103.2**	**25.23**
Indiana	7	10,715	.99	.92	11.88	116.1	24.88
Gibson	7	10,715	.99	.92	11.88	116.1	24.88
Kentucky	676	12,041	1.07	.89	11.21	108.3	26.07
Breathitt	5	10,832	.83	.77	15.74	106.2	23.01
Floyd	10	11,595	.89	.77	14.31	111.9	25.95
Magoffin	216	12,136	1.08	.89	10.76	98.1	23.82
Martin	25	11,908	1.13	.95	11.36	113.3	26.97
Perry	97	11,829	.99	.84	12.49	112.2	26.56
Pike	222	12,080	.88	.73	11.22	117.1	28.29
Webster	26	12,335	2.10	1.70	9.50	109.6	27.04
Unknown[2]	70	12,006	1.40	1.17	10.62	102.5	24.62
Ohio	162	12,410	4.08	3.28	9.62	85.3	21.16
Belmont	131	12,506	4.10	3.28	9.43	82.0	20.51
Monroe	21	12,253	4.44	3.62	10.39	92.6	22.70
Vinton	10	11,483	2.99	2.60	10.40	115.6	26.54
Pennsylvania	14	13,156	2.23	1.70	7.71	104.1	27.40
Greene	14	13,156	2.23	1.70	7.71	104.1	27.40
West Virginia	995	12,306	2.68	2.18	11.08	102.8	25.30
Boone	31	11,870	.91	.77	12.66	110.5	26.24
Brooke	588	12,336	3.69	2.99	10.64	93.3	23.02
Clay	37	11,914	1.31	1.10	14.82	111.8	26.64
Fayette	39	12,284	1.84	1.50	10.85	111.5	27.39
Kanawha	235	12,147	.86	.71	12.36	121.3	29.46
Marshall	9	12,088	3.43	2.84	12.00	94.4	22.82
Monongalia	53	13,280	2.25	1.69	6.81	111.1	29.50
Wayne	3	12,084	.92	.76	10.40	106.9	25.84
Cincinnati Gas & Electric Co Miami Fort	**3,499**	**12,031**	**1.00**	**.83**	**12.54**	**119.9**	**28.85**
Kentucky	1,074	11,939	.89	.74	11.49	114.4	27.32
Boyd	11	12,426	.69	.56	9.20	122.8	30.52
Breathitt	47	11,442	1.13	.98	11.24	104.7	23.97
Floyd	73	11,715	1.09	.93	13.00	109.0	25.54

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Miami Fort							
Kentucky							
Knott	45	11,519	0.73	0.64	13.18	118.7	27.35
Letcher	12	11,442	.64	.56	14.92	123.0	28.16
Martin	96	12,085	1.06	.87	10.26	115.6	27.93
Perry	215	11,815	.85	.72	12.51	112.7	26.63
Pike	447	12,103	.84	.69	10.79	118.6	28.72
Unknown[2]	128	11,925	.86	.72	11.67	104.8	25.00
Ohio	57	11,883	3.47	2.92	10.77	104.4	24.82
Belmont	27	12,233	3.26	2.67	11.13	101.6	24.85
Monroe	9	12,061	4.33	3.59	10.28	93.6	22.58
Vinton	21	11,368	3.37	2.97	10.52	113.1	25.71
Pennsylvania	103	13,088	2.11	1.61	7.58	104.9	27.46
Greene	102	13,091	2.12	1.62	7.58	104.8	27.45
Washington	1	12,839	1.62	1.26	7.40	110.2	28.30
West Virginia	2,265	12,030	.94	.79	13.31	123.6	29.75
Boone	46	11,767	.85	.72	12.97	111.3	26.19
Brooke	33	12,258	3.58	2.92	10.01	95.0	23.30
Clay	330	12,272	.75	.61	12.46	131.3	32.22
Fayette	197	12,255	1.62	1.33	11.85	110.1	26.99
Kanawha	1,470	11,902	.76	.64	14.09	126.3	30.06
Logan	19	9,973	.60	.60	24.32	87.8	17.51
Marshall	5	12,237	3.96	3.24	11.40	90.9	22.25
Mingo	20	12,484	.75	.60	10.76	121.9	30.43
Monongalia	99	13,214	2.19	1.65	6.76	112.7	29.80
Nicholas	26	11,304	.76	.67	15.42	114.4	25.87
Raleigh	18	12,079	.68	.56	13.07	126.0	30.45
Wayne	2	10,938	1.25	1.14	17.50	98.0	21.44
Cincinnati Gas & Electric Co Beckjord	**3,054**	**12,054**	**1.01**	**.84**	**11.92**	**113.5**	**27.36**
Kentucky	1,611	11,907	.93	.78	11.96	112.1	26.70
Breathitt	12	11,261	.95	.84	12.20	109.6	24.69
Floyd	59	11,860	.94	.79	11.89	109.3	25.93
Martin	200	12,041	.94	.78	10.99	115.7	27.85
Perry	567	11,776	.97	.82	13.34	109.0	25.68
Pike	604	11,961	.90	.75	11.23	115.8	27.71
Unknown[2]	168	12,056	.86	.71	11.04	106.1	25.58
Ohio	15	11,819	3.59	3.04	9.51	106.0	25.06
Belmont	6	12,444	4.08	3.28	9.15	98.4	24.49
Monroe	2	12,119	4.41	3.64	9.80	94.4	22.88
Vinton	8	11,285	3.05	2.71	9.73	114.9	25.93
Pennsylvania	81	13,086	2.18	1.67	7.65	104.2	27.28
Greene	81	13,086	2.18	1.67	7.65	104.2	27.28
West Virginia	1,347	12,169	1.00	.82	12.16	115.7	28.17
Boone	86	11,821	.86	.73	11.52	114.9	27.16
Brooke	13	12,329	3.52	2.85	10.02	92.5	22.81
Clay	11	10,758	1.68	1.57	19.49	82.8	17.83
Fayette	73	12,828	1.07	.83	10.18	113.9	29.22
Kanawha	1,057	12,100	.85	.70	12.63	117.5	28.44
Logan	4	10,228	.79	.77	23.49	85.8	17.56
Marshall	14	12,089	3.54	2.92	11.25	85.0	20.55
Monongalia	79	13,224	2.21	1.67	6.92	110.8	29.29
Nicholas	8	11,639	.93	.80	14.62	111.7	26.01
Wayne	2	10,882	1.05	.96	16.90	97.8	21.29
Cincinnati Gas & Electric Co Zimmer	**3,398**	**12,118**	**3.82**	**3.15**	**9.82**	**101.2**	**24.53**
Kentucky	43	11,827	.97	.82	11.72	112.9	26.71
Breathitt	2	10,704	1.13	1.06	15.60	96.1	20.57
Floyd	2	11,969	.99	.83	11.80	111.1	26.60
Martin	5	12,190	1.04	.85	10.70	115.9	28.26
Perry	18	12,007	.93	.78	11.49	111.2	26.71
Pike	17	11,611	.96	.83	11.92	115.5	26.81
Ohio	3,180	12,111	3.92	3.24	9.72	101.1	24.49
Belmont	1,231	12,477	4.08	3.27	9.28	100.7	25.14
Monroe	1,117	12,200	4.37	3.58	10.16	92.4	22.53
Vinton	832	11,448	3.07	2.68	9.77	114.3	26.16

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Zimmer							
Pennsylvania	8	13,028	2.08	1.60	7.83	104.3	27.16
Greene	8	13,028	2.08	1.60	7.83	104.3	27.16
West Virginia	168	12,296	2.74	2.23	11.30	99.6	24.49
Boone	2	10,942	.78	.71	14.90	112.0	24.51
Brooke	60	12,345	3.83	3.10	9.95	91.7	22.64
Kanawha	20	12,165	.82	.67	12.74	120.5	29.32
Marshall	36	12,119	3.80	3.14	12.19	86.0	20.83
Monongalia	19	13,123	2.31	1.76	6.61	111.5	29.26
Nicholas	31	12,039	.99	.82	14.78	108.7	26.17
Cleveland Electric Illum Co Ashtabula	**331**	**12,349**	**3.84**	**3.11**	**9.00**	**106.1**	**26.19**
Ohio	308	12,477	4.06	3.25	9.26	105.7	26.39
Belmont	287	12,496	4.16	3.33	9.15	104.6	26.13
Columbiana	21	12,216	2.63	2.15	10.71	122.4	29.90
Pennsylvania	10	13,248	2.04	1.54	7.41	111.3	29.50
Greene	10	13,248	2.04	1.54	7.41	111.3	29.50
Wyoming	14	8,922	.19	.21	4.40	110.5	19.72
Campbell	14	8,922	.19	.21	4.40	110.5	19.72
Cleveland Electric Illum Co Avon Lake	**1,397**	**12,771**	**1.03**	**.80**	**9.04**	**140.9**	**36.00**
Kentucky	103	12,684	.88	.70	10.14	136.0	34.51
Pike	103	12,684	.88	.70	10.14	136.0	34.51
Ohio	112	12,410	2.06	1.66	9.26	124.3	30.85
Columbiana	112	12,410	2.06	1.66	9.26	124.3	30.85
Pennsylvania	203	13,135	2.13	1.62	7.73	107.4	28.22
Greene	203	13,135	2.13	1.62	7.73	107.4	28.22
West Virginia	940	12,903	.71	.55	9.32	151.3	39.05
Logan	51	12,318	.81	.66	11.94	131.9	32.50
Mingo	889	12,937	.71	.55	9.17	152.4	39.42
Wyoming	38	8,872	.28	.31	5.36	120.3	21.34
Converse	38	8,872	.28	.31	5.36	120.3	21.34
Cleveland Electric Illum Co Eastlake	**1,957**	**12,811**	**2.55**	**1.99**	**8.43**	**113.6**	**29.10**
Ohio	860	12,569	3.38	2.69	9.13	105.0	26.39
Belmont	616	12,631	3.89	3.08	9.01	98.0	24.75
Columbiana	244	12,412	2.10	1.69	9.43	122.9	30.51
Pennsylvania	1,025	13,148	1.95	1.48	7.73	120.3	31.64
Greene	1,025	13,148	1.95	1.48	7.73	120.3	31.64
West Virginia	45	12,271	1.57	1.28	13.66	119.3	29.28
Nicholas	12	12,164	3.51	2.89	14.10	111.6	27.15
Webster	33	12,310	.86	.70	13.50	122.1	30.06
Wyoming	28	8,820	.20	.22	4.30	108.4	19.12
Campbell	28	8,820	.20	.22	4.30	108.4	19.12
Cleveland Electric Illum Co Lake Shore	**133**	**13,131**	**.63**	**.48**	**7.01**	**150.8**	**39.60**
Kentucky	65	13,123	.54	.42	6.87	150.9	39.62
Martin	10	12,899	.52	.40	6.90	148.3	38.26
Pike	56	13,163	.55	.42	6.86	151.4	39.86
West Virginia	68	13,137	.71	.54	7.15	150.6	39.58
Mingo	39	13,038	.76	.58	7.22	152.0	39.63
Wyoming	28	13,275	.65	.49	7.04	148.8	39.51
Colorado Springs City of Drake	**813**	**10,756**	**.42**	**.39**	**7.04**	**137.8**	**29.63**
Colorado	790	10,810	.42	.39	7.10	139.1	30.08
Moffat	470	10,466	.39	.37	5.57	177.2	37.09
Routt	321	11,314	.47	.42	9.34	87.6	19.82
Wyoming	22	8,849	.23	.26	4.77	78.3	13.87
Campbell	22	8,849	.23	.26	4.77	78.3	13.87
Colorado Springs City of Nixon	**637**	**10,393**	**.40**	**.38**	**7.66**	**87.8**	**18.26**
Colorado	404	11,304	.49	.43	9.21	92.6	20.93
Moffat	10	11,175	.61	.55	11.65	93.1	20.81
Routt	394	11,307	.48	.43	9.15	92.6	20.94
Wyoming	232	8,809	.24	.27	4.97	77.2	13.60
Campbell	151	8,821	.24	.27	4.71	77.8	13.73
Converse	82	8,788	.25	.28	5.45	76.0	13.36

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Columbia City of Columbia	**40**	**13,402**	**1.23**	**0.92**	**6.62**	**199.6**	**53.49**
Kentucky	40	13,402	1.23	.92	6.62	199.6	53.49
Bell	40	13,402	1.23	.92	6.62	199.6	53.49
Columbus Southern Power Co Picway	**168**	**11,203**	**2.74**	**2.44**	**11.79**	**118.5**	**26.56**
Ohio	168	11,203	2.74	2.44	11.79	118.5	26.56
Perry	168	11,203	2.74	2.44	11.79	118.5	26.56
Columbus Southern Power Co Conesville	**3,950**	**12,005**	**2.68**	**2.23**	**8.75**	**121.5**	**29.18**
Ohio	3,950	12,005	2.68	2.23	8.75	121.5	29.18
Belmont	291	11,978	2.98	2.49	11.76	96.4	23.08
Columbiana	6	11,480	3.60	3.14	12.50	103.9	23.86
Coshocton	2,156	11,980	2.70	2.25	7.57	134.2	32.15
Guernsey	*	11,001	2.04	1.85	14.30	101.0	22.22
Harrison	962	12,305	2.50	2.04	8.84	110.5	27.20
Holmes	13	10,922	3.16	2.89	14.16	73.0	15.94
Jefferson	247	11,904	2.29	1.92	11.55	103.8	24.71
Perry	122	11,294	2.75	2.44	11.36	110.5	24.96
Tuscarawas	152	11,367	3.41	3.00	11.83	101.8	23.15
Commonwealth Edison Co Waukegan	**2,059**	**8,702**	**.42**	**.48**	**5.46**	**180.1**	**31.35**
Wyoming	2,059	8,702	.42	.48	5.46	180.1	31.35
Campbell	2,059	8,702	.42	.48	5.46	180.1	31.35
Commonwealth Edison Co Joliet	**4,412**	**8,765**	**.37**	**.42**	**5.37**	**263.1**	**46.13**
Wyoming	4,412	8,765	.37	.42	5.37	263.1	46.13
Campbell	4,412	8,765	.37	.42	5.37	263.1	46.13
Commonwealth Edison Co Powerton	**4,406**	**8,818**	**.42**	**.48**	**5.36**	**138.0**	**24.34**
Illinois	28	8,377	2.71	3.23	24.69	155.6	26.07
McDonough	28	8,377	2.71	3.23	24.69	155.6	26.07
Montana	704	9,597	.34	.35	3.95	168.8	32.40
Big Horn	704	9,597	.34	.35	3.95	168.8	32.40
Wyoming	3,674	8,673	.42	.48	5.48	131.4	22.79
Campbell	3,674	8,673	.42	.48	5.48	131.4	22.79
Commonwealth Edison Co Will County	**3,329**	**8,958**	**.39**	**.44**	**5.05**	**177.0**	**31.71**
Montana	955	9,583	.36	.37	3.97	156.7	30.02
Big Horn	955	9,583	.36	.37	3.97	156.7	30.02
Wyoming	2,374	8,706	.41	.47	5.48	186.0	32.39
Campbell	2,374	8,706	.41	.47	5.48	186.0	32.39
Consumers Power Co Campbell	**4,166**	**11,143**	**.60**	**.53**	**8.91**	**144.1**	**32.11**
Kentucky	1,170	12,871	.74	.58	8.68	158.6	40.82
Floyd	1,119	12,901	.74	.57	8.58	158.6	40.92
Knott	32	12,039	.91	.76	12.40	157.2	37.86
Pike	19	12,553	.70	.56	8.59	160.9	40.39
West Virginia	1,540	12,099	.74	.61	12.30	163.3	39.52
Boone	1,540	12,099	.74	.61	12.30	163.3	39.52
Wyoming	1,456	8,743	.33	.37	5.49	98.7	17.27
Campbell	1,444	8,742	.33	.37	5.49	98.7	17.26
Converse	13	8,887	.30	.34	5.90	99.3	17.65
Consumers Power Co Cobb	**1,062**	**10,136**	**.79**	**.78**	**7.57**	**120.7**	**24.46**
Montana	554	9,048	.50	.55	6.54	116.0	21.00
Big Horn	554	9,048	.50	.55	6.54	116.0	21.00
West Virginia	333	12,670	1.51	1.19	10.37	132.0	33.45
Nicholas	333	12,670	1.51	1.19	10.37	132.0	33.45
Wyoming	175	8,765	.34	.38	5.49	104.7	18.35
Campbell	175	8,765	.34	.38	5.49	104.7	18.35
Consumers Power Co Karn	**1,096**	**12,206**	**.87**	**.71**	**11.79**	**147.6**	**36.02**
Kentucky	301	12,049	.96	.80	11.81	144.5	34.83
Floyd	156	12,095	.96	.80	11.64	145.7	35.24
Knott	145	12,000	.96	.80	12.00	143.3	34.39

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Consumers Power Co Karn							
West Virginia	795	12,266	0.84	0.68	11.78	148.7	36.48
Boone	433	12,053	.85	.71	11.88	147.5	35.56
Clay	181	12,490	.85	.68	11.69	150.2	37.53
Nicholas	181	12,552	.79	.63	11.63	149.9	37.62
Consumers Power Co Weadock	**1,632**	**9,736**	**.52**	**.54**	**7.43**	**119.5**	**23.26**
Kentucky	79	12,099	.96	.79	11.67	145.3	35.17
Clay	*	12,100	.97	.80	12.00	135.9	32.89
Floyd	64	12,121	.96	.79	11.59	146.0	35.40
Knott	15	12,000	.96	.80	12.00	142.4	34.17
Montana	421	9,027	.50	.55	6.57	117.7	21.26
Big Horn	421	9,027	.50	.55	6.57	117.7	21.26
West Virginia	353	12,232	.87	.71	11.86	147.8	36.17
Boone	202	12,091	.84	.70	11.94	146.5	35.42
Clay	49	12,512	.89	.71	11.86	151.9	38.02
Nicholas	103	12,375	.92	.74	11.70	148.5	36.75
Wyoming	778	8,746	.33	.38	5.45	98.8	17.28
Campbell	765	8,744	.33	.38	5.45	98.8	17.27
Converse	13	8,827	.30	.34	5.90	100.1	17.67
Consumers Power Co Whiting	**986**	**10,871**	**.67**	**.62**	**9.47**	**130.9**	**28.47**
Kentucky	153	12,176	.94	.77	11.45	141.6	34.49
Floyd	93	12,290	.93	.76	11.09	143.2	35.21
Knott	60	12,000	.96	.80	12.00	139.1	33.39
West Virginia	467	12,096	.84	.69	11.88	142.4	34.45
Boone	446	12,071	.84	.70	11.89	142.3	34.36
Nicholas	21	12,624	.80	.64	11.61	143.6	36.26
Wyoming	365	8,754	.34	.38	5.55	104.5	18.29
Campbell	365	8,754	.34	.38	5.55	104.5	18.29
Coop Power Assn Coal Creek	**7,150**	**6,189**	**.66**	**1.06**	**11.34**	**81.3**	**10.06**
North Dakota	7,150	6,189	.66	1.06	11.34	81.3	10.06
Mclean	7,150	6,189	.66	1.06	11.34	81.3	10.06
Dairyland Power Coop Alma-Madgett	**1,808**	**9,400**	**.28**	**.30**	**5.11**	**107.6**	**20.23**
Colorado	238	11,711	.50	.43	8.82	136.9	32.07
Gunnison	238	11,711	.50	.43	8.82	136.9	32.07
Illinois	91	12,006	1.03	.86	6.14	135.1	32.44
Jefferson	91	12,006	1.03	.86	6.14	135.1	32.44
Montana	60	9,494	.33	.35	4.00	95.7	18.17
Big Horn	60	9,494	.33	.35	4.00	95.7	18.17
Wyoming	1,419	8,841	.19	.22	4.47	99.3	17.55
Campbell	1,419	8,841	.19	.22	4.47	99.3	17.55
Dairyland Power Coop Genoa No.3	**1,019**	**10,765**	**.71**	**.66**	**5.40**	**130.2**	**28.04**
Illinois	619	12,016	1.05	.87	6.00	135.2	32.50
Jefferson	619	12,016	1.05	.87	6.00	135.2	32.50
Wyoming	400	8,827	.19	.21	4.47	119.7	21.14
Campbell	400	8,827	.19	.21	4.47	119.7	21.14
Dayton Power & Light Co Stuart	**5,724**	**11,456**	**.83**	**.72**	**14.85**	**117.3**	**26.87**
Kentucky	3,130	11,512	.81	.71	14.44	123.4	28.41
Breathitt	23	11,321	.89	.79	15.60	98.1	22.21
Floyd	286	11,111	.89	.80	15.58	102.9	22.86
Knott	59	11,155	.83	.74	15.76	100.2	22.35
Lawrence	3	10,776	.92	.85	15.30	105.6	22.76
Magoffin	10	11,545	.76	.66	12.39	100.0	23.08
Martin	2,131	11,481	.79	.69	14.80	121.4	27.88
Pike	617	11,851	.84	.71	12.52	142.5	33.79
West Virginia	2,595	11,389	.84	.74	15.34	109.7	25.00
Boone	796	11,633	.74	.64	15.59	106.5	24.77
Kanawha	28	12,011	1.06	.89	13.80	101.7	24.44
Lincoln	155	11,254	.85	.76	15.50	100.3	22.57
Mingo	408	11,089	.90	.81	16.02	100.6	22.32
Wayne	1,207	11,334	.88	.77	14.95	116.4	26.39
Dayton Power & Light Co Hutchings	**128**	**12,387**	**.86**	**.70**	**9.92**	**135.7**	**33.62**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Dayton Power & Light Co Hutchings							
Kentucky	87	12,388	0.91	0.74	8.99	139.2	34.48
Martin	87	12,388	.91	.74	8.99	139.2	34.48
West Virginia	42	12,385	.76	.62	11.86	128.5	31.82
Nicholas	42	12,385	.76	.62	11.86	128.5	31.82
Dayton Power & Light Co Killen	**1,736**	**11,847**	**.62**	**.53**	**13.83**	**126.0**	**29.85**
Kentucky	986	11,796	.61	.52	14.24	118.4	27.94
Breathitt	50	11,860	.61	.51	14.10	118.8	28.18
Floyd	45	11,459	.59	.52	13.75	123.2	28.22
Lawrence	13	11,745	.65	.55	12.74	122.7	28.82
Martin	663	11,854	.61	.52	14.00	119.1	28.24
Morgan	13	11,327	.64	.57	14.98	122.7	27.80
Pike	202	11,696	.61	.52	15.19	114.5	26.79
West Virginia	750	11,915	.64	.54	13.29	135.8	32.36
Kanawha	3	12,087	.70	.58	13.60	118.1	28.55
Lincoln	49	11,530	.62	.54	13.95	111.2	25.65
Logan	434	12,076	.64	.53	13.58	151.8	36.65
Mingo	263	11,718	.63	.54	12.68	113.4	26.58
Delmarva Power & Light Co Edgemoor	**273**	**12,571**	**.74**	**.59**	**11.32**	**158.1**	**39.76**
Virginia	29	13,042	.72	.55	9.07	150.4	39.22
Buchanan	29	13,042	.72	.55	9.07	150.4	39.22
West Virginia	244	12,515	.75	.60	11.59	159.1	39.82
Mingo	45	12,684	.74	.59	10.20	162.1	41.12
Nicholas	32	12,552	.71	.56	11.83	164.4	41.27
Webster	159	12,434	.75	.61	12.01	157.3	39.11
Wyoming	8	13,033	.78	.60	10.00	156.7	40.85
Delmarva Power & Light Co Indian River	**931**	**13,042**	**1.03**	**.79**	**8.66**	**159.2**	**41.52**
Kentucky	31	12,648	.66	.52	7.65	174.6	44.17
Martin	31	12,648	.66	.52	7.65	174.6	44.17
Maryland	123	13,019	1.46	1.12	10.11	145.5	37.87
Garrett	123	13,019	1.46	1.12	10.11	145.5	37.87
Pennsylvania	324	13,238	1.35	1.02	6.61	143.5	37.98
Greene	31	13,292	1.44	1.08	6.50	143.9	38.25
Washington	292	13,232	1.34	1.01	6.63	143.4	37.95
Virginia	184	13,470	.77	.57	7.00	177.5	47.81
Wise	184	13,470	.77	.57	7.00	177.5	47.81
West Virginia	269	12,568	.68	.54	11.71	170.4	42.82
Mingo	35	12,796	.67	.52	9.58	171.3	43.84
Nicholas	194	12,539	.69	.55	11.68	172.3	43.20
Webster	40	12,507	.67	.53	13.72	160.2	40.06
Deseret Generation & Tran Coop Bonanza	**1,502**	**10,327**	**.42**	**.40**	**10.88**	**157.5**	**32.53**
Colorado	1,222	10,169	.42	.41	10.93	163.6	33.27
Rio Blanco	1,222	10,169	.42	.41	10.93	163.6	33.27
Utah	280	11,018	.43	.39	10.66	133.1	29.33
Carbon	280	11,018	.43	.39	10.66	133.1	29.33
Detroit Edison Co Belle River	**3,820**	**9,500**	**.34**	**.36**	**4.17**	**151.9**	**28.86**
Montana	3,820	9,500	.34	.36	4.17	151.9	28.86
Big Horn	3,820	9,500	.34	.36	4.17	151.9	28.86
Detroit Edison Co Harbor Beach	**102**	**13,392**	**.95**	**.71**	**7.19**	**145.5**	**38.98**
Kentucky	101	13,396	.95	.71	7.19	145.7	39.03
Pike	101	13,396	.95	.71	7.19	145.7	39.03
Pennsylvania	1	13,055	1.87	1.43	6.80	128.5	33.55
Greene	1	13,055	1.87	1.43	6.80	128.5	33.55
Detroit Edison Co Marysville	**37**	**13,432**	**.94**	**.70**	**7.08**	**146.6**	**39.37**
Kentucky	37	13,432	.94	.70	7.08	146.6	39.37
Pike	37	13,432	.94	.70	7.08	146.6	39.37
Detroit Edison Co Monroe	**8,229**	**10,507**	**.60**	**.57**	**5.98**	**112.2**	**23.58**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Detroit Edison Co Monroe							
Kentucky	1,192	12,810	0.91	0.71	8.35	128.1	32.82
Clay	67	12,787	.86	.67	8.50	124.0	31.71
Knott	557	12,664	.98	.77	8.51	126.1	31.95
Letcher	21	12,862	.88	.68	8.26	129.2	33.23
Martin	27	12,763	.74	.58	8.10	130.1	33.22
Perry	33	13,138	.77	.58	7.20	131.0	34.43
Pike	487	12,959	.87	.67	8.23	130.5	33.81
Pennsylvania	1,358	13,158	1.47	1.12	6.69	119.9	31.55
Greene	636	13,082	1.57	1.20	6.71	117.5	30.73
Washington	722	13,226	1.39	1.05	6.66	122.0	32.28
West Virginia	807	13,109	.83	.63	7.88	127.6	33.46
Boone	663	13,126	.84	.64	7.67	126.8	33.29
Mingo	144	13,031	.78	.60	8.82	131.4	34.24
Wyoming	4,872	8,774	.25	.28	4.89	99.5	17.46
Campbell	4,683	8,773	.25	.29	4.87	99.6	17.48
Converse	189	8,795	.21	.24	5.35	96.5	16.98
Detroit Edison Co River Rouge	**1,531**	**10,736**	**.64**	**.60**	**6.18**	**116.1**	**24.92**
Kentucky	289	12,850	.90	.70	8.06	128.0	32.89
Knott	122	12,694	.96	.76	8.29	126.8	32.20
Letcher	11	13,055	.93	.71	8.70	125.4	32.74
Martin	12	12,773	.72	.56	7.90	131.1	33.49
Perry	22	13,302	.72	.55	6.00	131.0	34.86
Pike	122	12,913	.89	.69	8.16	128.5	33.18
Pennsylvania	273	13,240	1.44	1.08	6.62	128.4	33.99
Greene	113	13,171	1.45	1.10	6.72	126.5	33.33
Washington	160	13,288	1.42	1.07	6.56	129.7	34.46
West Virginia	145	12,980	.79	.61	8.54	127.5	33.11
Boone	120	12,972	.81	.62	8.46	126.9	32.92
Mingo	25	13,016	.71	.55	8.90	130.6	34.00
Wyoming	824	8,770	.26	.30	4.97	100.8	17.68
Campbell	799	8,771	.26	.30	4.94	100.7	17.67
Converse	25	8,741	.26	.30	5.75	102.6	17.93
Detroit Edison Co St Clair	**4,681**	**10,084**	**.71**	**.71**	**4.62**	**144.3**	**29.10**
Montana	3,947	9,500	.34	.36	4.17	152.0	28.87
Big Horn	3,947	9,500	.34	.36	4.17	152.0	28.87
Pennsylvania	50	13,189	2.15	1.63	7.46	106.1	27.99
Greene	50	13,189	2.15	1.63	7.46	106.1	27.99
West Virginia	684	13,229	2.77	2.09	7.00	115.3	30.51
Harrison	417	13,116	3.13	2.38	7.26	118.2	31.01
Monongalia	267	13,404	2.21	1.65	6.59	110.9	29.72
Detroit Edison Co Trenton Channel	**2,044**	**10,696**	**.75**	**.70**	**5.58**	**113.8**	**24.34**
Kentucky	10	13,236	.93	.70	7.40	135.6	35.90
Pike	10	13,236	.93	.70	7.40	135.6	35.90
Pennsylvania	878	13,158	1.45	1.10	6.68	123.3	32.46
Greene	353	13,105	1.51	1.15	6.63	122.9	32.21
Washington	525	13,193	1.41	1.07	6.71	123.6	32.63
Wyoming	1,156	8,805	.21	.24	4.74	102.6	18.07
Campbell	921	8,805	.20	.22	4.54	103.3	18.19
Converse	235	8,804	.27	.30	5.50	100.0	17.61
Duke Power Co Allen	**1,928**	**12,416**	**.79**	**.63**	**10.43**	**140.9**	**34.98**
Kentucky	609	12,345	.86	.70	10.39	140.3	34.65
Martin	241	12,215	.86	.70	10.96	145.3	35.49
Pike	368	12,430	.86	.69	10.01	137.1	34.09
Virginia	146	12,901	.80	.62	10.15	144.9	37.39
Tazewell	71	13,017	.64	.49	9.30	160.1	41.68
Wise	75	12,791	.95	.75	10.96	130.3	33.33
West Virginia	1,173	12,393	.75	.60	10.50	140.6	34.85
Fayette	35	12,837	1.02	.79	7.50	130.9	33.61
Mingo	925	12,394	.70	.57	10.77	142.5	35.33
Wayne	213	12,313	.88	.71	9.78	134.0	32.99
Duke Power Co Belews Creek	**5,225**	**12,327**	**.80**	**.65**	**10.96**	**150.1**	**37.01**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duke Power Co Belews Creek							
Kentucky	3,667	12,266	0.81	0.66	10.89	150.4	36.89
Martin	1,810	12,194	.86	.71	10.94	152.0	37.07
Pike	1,857	12,335	.76	.62	10.85	148.8	36.71
Virginia	208	12,744	.75	.59	10.93	156.7	39.93
Russell	30	13,181	.76	.58	9.10	134.6	35.48
Tazewell	147	12,438	.70	.57	11.74	166.1	41.32
Wise	31	13,772	.95	.69	8.85	136.7	37.66
West Virginia	1,350	12,429	.76	.61	11.15	148.4	36.90
Mingo	560	12,541	.75	.59	10.38	140.2	35.17
Nicholas	773	12,355	.77	.62	11.75	154.8	38.25
Wayne	17	12,152	.84	.69	9.52	134.8	32.76
Duke Power Co Buck	**652**	**12,129**	**.78**	**.65**	**12.32**	**138.0**	**33.47**
Kentucky	191	12,205	.92	.76	10.74	143.6	35.06
Martin	87	11,971	.98	.82	11.39	144.4	34.56
Pike	104	12,400	.88	.71	10.20	143.1	35.48
Virginia	55	12,918	1.00	.77	10.10	142.4	36.78
Wise	55	12,918	1.00	.77	10.10	142.4	36.78
West Virginia	406	11,987	.69	.57	13.37	134.6	32.27
Mingo	406	11,987	.69	.57	13.37	134.6	32.27
Duke Power Co Cliffside	**1,437**	**12,671**	**.89**	**.70**	**8.26**	**134.7**	**34.14**
Kentucky	1,437	12,671	.89	.70	8.26	134.7	34.14
Floyd	586	12,526	.97	.77	9.02	135.2	33.87
Harlan	192	12,743	.94	.74	7.85	130.4	33.23
Perry	630	12,794	.79	.62	7.49	135.8	34.74
Pike	29	12,447	.94	.76	12.29	130.6	32.51
Duke Power Co Dan River	**307**	**12,805**	**.71**	**.55**	**9.71**	**139.5**	**35.73**
Kentucky	29	12,470	.88	.71	10.35	149.8	37.37
Pike	29	12,470	.88	.71	10.35	149.8	37.37
West Virginia	278	12,840	.69	.54	9.65	138.5	35.56
Mingo	278	12,840	.69	.54	9.65	138.5	35.56
Duke Power Co Lee	**409**	**12,615**	**1.01**	**.80**	**9.77**	**142.1**	**35.85**
Kentucky	400	12,624	1.02	.81	9.75	142.1	35.87
Floyd	179	12,643	1.15	.91	10.02	142.6	36.07
Harlan	81	12,657	.96	.75	8.12	141.2	35.73
Knott	17	12,688	1.03	.81	9.53	138.5	35.14
Pike	123	12,566	.86	.69	10.45	142.4	35.78
West Virginia	9	12,199	.79	.65	11.00	142.9	34.86
Kanawha	9	12,199	.79	.65	11.00	142.9	34.86
Duke Power Co Marshall	**4,256**	**12,368**	**.82**	**.66**	**10.81**	**131.1**	**32.42**
Kentucky	1,471	12,463	.95	.76	9.46	128.6	32.05
Clay	11	12,322	.92	.75	9.70	123.5	30.44
Floyd	130	12,432	.94	.76	9.72	131.5	32.69
Harlan	568	12,621	.95	.75	8.34	127.2	32.11
Knott	19	12,132	1.05	.87	11.93	124.7	30.26
Letcher	10	11,693	.98	.84	14.60	124.4	29.09
Martin	216	12,111	1.03	.85	10.46	126.7	30.68
Perry	90	12,680	.81	.64	8.46	125.9	31.93
Pike	427	12,432	.94	.75	10.33	131.4	32.68
Virginia	58	12,543	.84	.67	10.24	132.9	33.35
Dickenson	12	12,818	.71	.55	11.60	122.1	31.30
Tazewell	10	12,853	.64	.50	11.20	158.5	40.74
Wise	36	12,365	.93	.75	9.51	129.3	31.98
West Virginia	2,727	12,312	.75	.61	11.55	132.4	32.61
Boone	244	11,180	.73	.65	17.69	116.6	26.06
Kanawha	41	12,334	.77	.62	11.50	127.0	31.33
Logan	42	12,439	.73	.58	11.80	127.2	31.65
Mingo	2,040	12,460	.73	.58	10.97	134.8	33.58
Raleigh	31	11,461	1.13	.99	20.72	105.9	24.28
Wayne	329	12,295	.87	.71	9.75	132.1	32.48
Duke Power Co Riverbend	**588**	**12,449**	**.93**	**.75**	**10.23**	**136.6**	**34.02**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duke Power Co Riverbend							
Kentucky	495	12,490	0.94	0.75	10.02	136.8	34.18
Floyd	44	12,650	.96	.76	9.31	130.9	33.13
Harlan	152	12,639	1.00	.79	8.93	137.1	34.66
Knott	73	12,375	.94	.76	10.41	133.6	33.06
Letcher	8	11,829	.84	.71	12.70	132.7	31.39
Perry	100	12,373	.88	.71	10.72	135.6	33.56
Pike	118	12,453	.92	.74	10.69	142.1	35.38
Virginia	37	12,250	.95	.78	10.25	137.6	33.71
Wise	37	12,250	.95	.78	10.25	137.6	33.71
West Virginia	56	12,225	.84	.69	12.07	134.2	32.82
Boone	37	12,604	.80	.63	9.23	136.3	34.37
Kanawha	10	12,242	.80	.65	11.60	135.7	33.22
Raleigh	9	10,651	1.08	1.01	24.30	122.0	25.99
Duquesne Light Co Cheswick	**1,172**	**12,982**	**1.84**	**1.41**	**8.28**	**116.6**	**30.29**
Pennsylvania	901	13,020	2.00	1.53	8.27	114.2	29.73
Allegheny	13	12,062	1.45	1.20	8.71	118.2	28.51
Fayette	406	12,733	1.73	1.36	8.97	130.0	33.11
Greene	482	13,288	2.24	1.68	7.67	101.3	26.92
West Virginia	271	12,855	1.30	1.01	8.28	125.0	32.14
Fayette	271	12,855	1.30	1.01	8.28	125.0	32.14
Duquesne Light Co Elrama	**870**	**12,224**	**2.21**	**1.81**	**13.01**	**183.5**	**44.86**
Pennsylvania	788	12,170	2.30	1.89	13.50	189.8	46.21
Allegheny	3	11,317	1.37	1.21	8.64	106.0	23.99
Greene	744	12,203	2.30	1.88	13.40	194.9	47.58
Washington	41	11,629	2.35	2.02	15.70	98.9	23.00
West Virginia	82	12,741	1.34	1.05	8.33	125.0	31.86
Fayette	82	12,741	1.34	1.05	8.33	125.0	31.86
East Kentucky Power Coop Inc Cooper	**810**	**12,419**	**1.24**	**1.00**	**10.00**	**108.1**	**26.86**
Kentucky	810	12,419	1.24	1.00	10.00	108.1	26.86
Breathitt	11	11,402	1.41	1.24	14.08	100.3	22.87
Clay	212	12,065	1.07	.89	10.87	110.8	26.73
Floyd	31	12,995	1.02	.79	7.17	129.9	33.76
Laurel	4	11,552	1.54	1.33	11.95	100.5	23.22
Owsley	14	12,700	1.71	1.35	7.90	105.7	26.85
Perry	190	12,474	1.22	.98	10.34	113.1	28.22
Pulaski	339	12,590	1.34	1.06	9.51	102.1	25.70
Whitley	9	12,332	1.24	1.01	7.73	112.4	27.73
East Kentucky Power Coop Inc Dale	**536**	**12,224**	**.82**	**.67**	**10.23**	**113.7**	**27.80**
Kentucky	536	12,224	.82	.67	10.23	113.7	27.80
Breathitt	126	11,931	.89	.75	10.83	110.6	26.39
Clay	104	12,126	.87	.72	11.22	111.6	27.08
Lawrence	1	11,854	.98	.83	10.80	113.2	26.84
Perry	303	12,382	.78	.63	9.63	115.7	28.66
Unknown[2]	2	12,132	.89	.74	10.06	100.1	24.29
East Kentucky Power Coop Inc Spurlock	**2,592**	**12,343**	**.76**	**.62**	**10.86**	**115.2**	**28.43**
Kentucky	1,326	12,493	.74	.59	10.37	115.7	28.91
Boyd	321	12,400	.75	.60	10.17	116.2	28.83
Breathitt	351	12,169	.67	.55	13.25	112.4	27.36
Floyd	15	11,949	.98	.82	11.90	107.7	25.74
Greenup	213	12,400	.88	.71	12.23	109.0	27.03
Letcher	153	12,771	.75	.59	8.21	119.1	30.41
Perry	152	13,255	.73	.55	5.42	124.4	32.97
Pike	113	12,638	.65	.52	7.75	120.5	30.45
Pennsylvania	69	12,983	1.52	1.17	7.06	107.9	28.02
Greene	36	13,060	1.60	1.23	7.51	112.7	29.43
Lackawanna	33	12,899	1.44	1.11	6.58	102.7	26.50
West Virginia	1,197	12,140	.74	.61	11.61	115.0	27.93
Boone	176	12,586	.81	.64	9.66	113.4	28.54
Fayette	364	12,056	.81	.67	13.48	108.3	26.11
Kanawha	113	12,129	.75	.62	12.01	118.9	28.85
Mingo	109	12,086	.67	.56	11.27	117.9	28.49
Raleigh	3	11,564	.81	.70	14.80	110.5	25.56
Wayne	432	12,050	.66	.55	10.79	119.7	28.84

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Electric Energy Inc Joppa	**4,935**	**8,742**	**0.24**	**0.27**	**4.56**	**87.4**	**15.28**
Wyoming	4,935	8,742	.24	.27	4.56	87.4	15.28
Campbell	4,395	8,727	.24	.27	4.52	87.5	15.28
Converse	540	8,864	.22	.25	4.91	86.4	15.32
Empire District Electric Co Riverton	**327**	**9,524**	**.84**	**.88**	**5.69**	**115.6**	**22.03**
Oklahoma	66	12,321	3.34	2.71	11.21	118.8	29.27
Craig	66	12,321	3.34	2.71	11.21	118.8	29.27
Utah	3	12,425	.45	.36	8.31	147.6	36.68
Emery	3	12,425	.45	.36	8.31	147.6	36.68
Wyoming	258	8,777	.21	.24	4.25	114.0	20.01
Campbell	258	8,777	.21	.24	4.25	114.0	20.01
Empire District Electric Co Asbury	**777**	**9,196**	**.54**	**.58**	**5.50**	**103.6**	**19.05**
Kansas	2	10,900	3.50	3.21	17.50	123.6	26.94
Linn	2	10,900	3.50	3.21	17.50	123.6	26.94
Missouri	69	11,673	3.24	2.78	12.50	118.8	27.74
Barton	69	11,673	3.24	2.78	12.50	118.8	27.74
Oklahoma	15	12,121	3.40	2.80	13.70	130.5	31.63
Craig	15	12,121	3.40	2.80	13.70	130.5	31.63
Utah	16	12,441	.45	.36	8.22	138.3	34.41
Emery	16	12,441	.45	.36	8.22	138.3	34.41
Wyoming	674	8,795	.19	.21	4.49	99.4	17.48
Campbell	674	8,795	.19	.21	4.49	99.4	17.48
Florida Power Corp Crystal River	**3,466**	**15,649**	**.90**	**.58**	**8.73**	**175.5**	**54.92**
Kentucky	2,618	16,689	.96	.57	8.45	168.9	56.39
Floyd	30	12,568	1.11	.89	10.80	165.7	41.66
Harlan	126	12,779	.87	.68	7.57	158.9	40.61
Knott	439	12,593	.91	.73	8.81	171.8	43.26
Letcher	612	12,951	1.13	.88	7.79	164.7	42.67
Pike	1,413	20,012	.90	.45	8.65	170.2	68.12
Virginia	848	12,441	.73	.59	9.60	202.5	50.38
Dickenson	10	13,598	.72	.53	6.82	164.8	44.81
Lee	839	12,427	.73	.59	9.63	203.0	50.45
Florida Power Corp IMT Transfer[3]	**1,980**	**12,609**	**.73**	**.58**	**9.49**	**166.8**	**42.05**
Kentucky	814	12,735	.76	.60	8.52	165.2	42.08
Floyd	100	12,340	.67	.54	9.76	182.6	45.06
Knott	335	12,700	.88	.70	8.33	154.5	39.26
Pike	378	12,871	.68	.53	8.36	170.1	43.79
West Virginia	1,067	12,488	.71	.57	10.55	167.3	41.79
Boone	619	12,605	.73	.58	10.64	168.2	42.42
Kanawha	115	12,220	.68	.56	11.33	146.6	35.83
Mingo	101	12,393	.74	.59	11.08	149.5	37.06
Wayne	232	12,351	.67	.54	9.72	182.7	45.12
Imported	99	12,867	.70	.55	5.99	173.4	44.63
Imported Coal	99	12,867	.70	.55	5.99	173.4	44.63
Fremont City of Wright	**249**	**8,778**	**.20**	**.22**	**4.47**	**92.0**	**16.15**
Wyoming	249	8,778	.20	.22	4.47	92.0	16.15
Campbell	249	8,778	.20	.22	4.47	92.0	16.15
Gainesville Regional Util Deerhaven	**557**	**13,074**	**.64**	**.49**	**7.09**	**165.2**	**43.19**
Kentucky	547	13,066	.64	.49	7.10	165.3	43.20
Clay	30	13,043	.77	.59	7.27	156.4	40.81
Pike	517	13,067	.63	.48	7.09	165.9	43.34
Virginia	10	13,532	.68	.50	6.65	155.8	42.17
Dickenson	10	13,532	.68	.50	6.65	155.8	42.17
Georgia Power Co Arkwright	**124**	**12,930**	**1.72**	**1.33**	**9.00**	**166.3**	**43.01**
Virginia	76	12,906	1.77	1.37	10.15	158.1	40.81
Dickenson	54	13,100	1.63	1.24	8.97	161.5	42.31
Wise	21	12,410	2.13	1.71	13.15	149.0	36.97
West Virginia	48	12,967	1.66	1.28	7.21	179.1	46.45
Mingo	48	12,967	1.66	1.28	7.21	179.1	46.45
Georgia Power Co Atkinson-Mcdonoug	**1,260**	**13,010**	**1.04**	**.80**	**7.44**	**143.2**	**37.27**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Atkinson-Mcdonoug							
Kentucky	1,260	13,010	1.04	0.80	7.44	143.2	37.27
Harlan	20	12,736	1.32	1.04	8.94	136.2	34.69
Leslie	32	13,058	1.01	.77	7.29	139.1	36.33
Perry	1,208	13,013	1.04	.80	7.42	143.5	37.34
Georgia Power Co Bowen	**8,022**	**12,327**	**.88**	**.71**	**11.12**	**143.7**	**35.42**
Kentucky	6,366	12,528	.92	.73	9.82	145.9	36.56
Harlan	225	12,601	1.07	.85	8.67	137.5	34.64
Leslie	358	12,685	1.04	.82	8.68	139.3	35.35
Letcher	221	12,323	.95	.77	9.86	137.5	33.88
Perry	5,378	12,545	.89	.71	9.78	147.3	36.96
Pike	184	11,878	1.13	.95	14.42	137.2	32.59
West Virginia	1,656	11,555	.72	.62	16.15	134.4	31.05
Boone	190	11,182	.72	.65	18.20	132.7	29.68
Mingo	1,344	11,651	.69	.59	15.30	135.4	31.55
Raleigh	111	10,926	1.07	.98	23.60	123.7	27.03
Georgia Power Co Hammond	**1,720**	**12,847**	**.83**	**.64**	**9.57**	**146.3**	**37.60**
Kentucky	1,259	12,849	.84	.65	9.36	145.7	37.44
Bell	273	12,981	1.08	.83	7.35	145.3	37.72
Harlan	877	12,829	.74	.58	9.77	144.1	36.97
Martin	13	12,004	1.35	1.12	12.55	145.9	35.03
Pike	96	12,770	.94	.74	10.88	161.7	41.31
Virginia	235	12,647	.93	.74	11.62	155.8	39.40
Wise	235	12,647	.93	.74	11.62	155.8	39.40
West Virginia	226	13,046	.67	.51	8.62	140.3	36.61
Mingo	226	13,046	.67	.51	8.62	140.3	36.61
Georgia Power Co Harllee Branch	**3,004**	**12,411**	**1.24**	**1.00**	**10.35**	**158.5**	**39.33**
Kentucky	3,004	12,411	1.24	1.00	10.35	158.5	39.33
Knott	917	12,601	1.00	.80	10.57	173.5	43.73
Leslie	223	12,690	1.02	.80	8.56	157.1	39.87
Perry	1,864	12,285	1.38	1.13	10.45	151.0	37.11
Georgia Power Co Mitchell	**243**	**12,786**	**1.23**	**.96**	**8.84**	**180.3**	**46.11**
Kentucky	243	12,786	1.23	.96	8.84	180.3	46.11
Harlan	243	12,786	1.23	.96	8.84	180.3	46.11
Georgia Power Co Scherer	**11,219**	**10,267**	**.46**	**.45**	**7.20**	**171.1**	**35.14**
Kentucky	1,199	12,938	.65	.50	8.60	179.5	46.45
Harlan	787	13,119	.65	.50	7.82	160.5	42.12
Pike	412	12,592	.65	.51	10.10	217.3	54.73
Virginia	1,442	12,825	.68	.53	9.84	159.7	40.95
Lee	1,108	12,736	.66	.52	10.06	159.1	40.53
Wise	334	13,119	.73	.55	9.12	161.5	42.38
West Virginia	1,756	12,334	.63	.51	11.14	228.8	56.43
Logan	170	12,823	.66	.52	9.86	160.4	41.14
Mingo	1,575	12,277	.63	.51	11.29	237.0	58.19
Wyoming	6,821	8,724	.34	.39	5.38	151.5	26.44
Campbell	6,821	8,724	.34	.39	5.38	151.5	26.44
Georgia Power Co Wansley	**4,415**	**12,397**	**1.00**	**.80**	**10.13**	**147.9**	**36.67**
Alabama	194	12,145	1.55	1.28	12.70	127.1	30.87
Fayette	194	12,145	1.55	1.28	12.70	127.1	30.87
Illinois	1,124	12,117	1.08	.89	6.55	149.0	36.10
Saline	1,124	12,117	1.08	.89	6.55	149.0	36.10
Kentucky	1,253	12,029	.96	.80	12.31	147.4	35.47
Bell	270	12,989	1.07	.83	7.29	151.7	39.41
Floyd	10	12,128	1.06	.87	11.61	133.5	32.38
Martin	69	12,035	1.38	1.15	12.71	160.2	38.56
Perry	776	11,559	.89	.77	14.45	144.8	33.46
Pike	128	12,840	.93	.72	9.79	147.4	37.85
Virginia	1,843	12,843	.91	.71	10.56	149.7	38.45
Buchanan	27	13,105	.79	.60	8.01	149.3	39.14
Wise	1,816	12,840	.91	.71	10.60	149.7	38.44
Georgia Power Co Yates	**2,496**	**12,842**	**.92**	**.71**	**10.30**	**147.5**	**37.89**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Yates							
Kentucky	446	12,753	0.84	0.66	9.67	151.5	38.64
Bell	43	12,746	1.17	.92	8.44	151.4	38.59
Harlan	329	12,905	.72	.56	9.40	149.8	38.67
Martin	73	12,071	1.18	.98	11.58	159.6	38.53
Virginia	1,894	12,852	.95	.74	10.57	146.7	37.70
Lee	9	13,442	.57	.42	5.11	163.2	43.87
Wise	1,885	12,849	.95	.74	10.60	146.6	37.67
West Virginia	156	12,979	.79	.61	8.78	146.2	37.94
Mingo	156	12,979	.79	.61	8.78	146.2	37.94
Grand Haven City of J B Simms	**156**	**11,068**	**2.32**	**2.09**	**10.22**	**132.1**	**29.24**
Indiana	156	11,068	2.32	2.09	10.22	132.1	29.24
Greene	156	11,068	2.32	2.09	10.22	132.1	29.24
Grand Island City of Platte	**375**	**8,299**	**.37**	**.45**	**5.42**	**65.0**	**10.80**
Wyoming	375	8,299	.37	.45	5.42	65.0	10.80
Campbell	375	8,299	.37	.45	5.42	65.0	10.80
Grand River Dam Authority GRDA 1	**3,949**	**8,558**	**.43**	**.50**	**5.46**	**85.7**	**14.68**
Oklahoma	112	12,993	3.91	3.01	9.18	101.7	26.43
Rogers	112	12,993	3.91	3.01	9.18	101.7	26.43
Wyoming	3,837	8,429	.33	.39	5.35	85.0	14.33
Campbell	3,837	8,429	.33	.39	5.35	85.0	14.33
Gulf Power Co Crist	**2,415**	**12,179**	**.98**	**.80**	**6.48**	**143.9**	**35.05**
Illinois	2,167	12,127	1.01	.84	6.47	143.6	34.83
Christian	37	12,206	1.00	.82	6.10	148.2	36.18
Jefferson	253	12,100	.87	.72	6.32	146.9	35.55
Saline	1,775	12,128	1.04	.85	6.50	142.9	34.67
White	101	12,148	.97	.80	6.60	145.0	35.23
Imported	248	12,633	.67	.53	6.55	146.6	37.05
Imported Coal	248	12,633	.67	.53	6.55	146.6	37.05
Gulf Power Co Scholtz	**165**	**12,385**	**.82**	**.66**	**6.79**	**164.8**	**40.82**
Kentucky	106	12,662	.97	.77	8.50	169.2	42.84
Harlan	106	12,662	.97	.77	8.50	169.2	42.84
Imported	58	11,881	.55	.46	3.67	156.3	37.14
Imported Coal	58	11,881	.55	.46	3.67	156.3	37.14
Gulf Power Co Smith	**968**	**12,347**	**2.47**	**2.00**	**9.35**	**136.8**	**33.77**
Alabama	72	11,960	2.22	1.86	14.16	133.0	31.80
Walker	72	11,960	2.22	1.86	14.16	133.0	31.80
Illinois	727	12,456	2.48	1.99	8.59	137.4	34.23
Gallatin	434	12,681	2.76	2.18	9.41	135.5	34.37
Saline	187	12,344	1.57	1.27	7.18	144.6	35.69
White	106	11,725	2.97	2.53	7.69	132.5	31.08
Kentucky	165	12,050	2.56	2.12	10.73	135.6	32.68
Hopkins	29	11,720	2.92	2.49	9.50	137.9	32.32
Union	14	11,669	2.82	2.42	9.20	125.4	29.27
Webster	122	12,172	2.44	2.01	11.20	136.2	33.16
Imported	3	11,890	.55	.46	3.70	129.4	30.77
Imported Coal	3	11,890	.55	.46	3.70	129.4	30.77
Gulf States Utilities Co Nelson	**2,343**	**8,629**	**.45**	**.53**	**5.80**	**129.6**	**22.37**
Wyoming	2,343	8,629	.45	.53	5.80	129.6	22.37
Campbell	2,343	8,629	.45	.53	5.80	129.6	22.37
Hamilton City of Hamilton	**138**	**12,404**	**.92**	**.74**	**9.88**	**144.5**	**35.84**
Kentucky	127	12,390	.76	.61	9.89	145.7	36.12
Letcher	116	12,393	.76	.61	9.75	145.0	35.93
Pike	11	12,363	.72	.58	11.40	153.8	38.02
Ohio	11	12,563	2.84	2.26	9.77	129.7	32.59
Belmont	11	12,563	2.84	2.26	9.77	129.7	32.59
Hastings City of Hastings	**399**	**8,307**	**.34**	**.41**	**5.47**	**64.1**	**10.66**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Hastings City of Hastings							
Wyoming	399	8,307	0.34	0.41	5.47	64.1	10.66
Campbell	399	8,307	.34	.41	5.47	64.1	10.66
Holland City of James De Young	**169**	**13,080**	**.85**	**.65**	**6.70**	**156.7**	**40.99**
Kentucky	169	13,080	.85	.65	6.70	156.7	40.99
Pike	169	13,080	.85	.65	6.70	156.7	40.99
Holyoke Water Power Co Mount Tom	**324**	**13,218**	**.90**	**.68**	**7.05**	**173.6**	**45.90**
Kentucky	201	13,140	.75	.57	7.12	181.4	47.67
Pike	201	13,140	.75	.57	7.12	181.4	47.67
Pennsylvania	73	13,273	1.32	.99	6.53	161.8	42.95
Washington	73	13,273	1.32	.99	6.53	161.8	42.95
West Virginia	50	13,452	.92	.68	7.54	160.0	43.04
Boone	34	13,610	.87	.64	7.66	162.8	44.30
Upshur	16	13,120	1.02	.78	7.30	153.9	40.37
Hoosier Energy R E C Inc Merom	**3,236**	**11,168**	**3.20**	**2.87**	**10.51**	**121.9**	**27.24**
Indiana	3,236	11,168	3.20	2.87	10.51	121.9	27.24
Clay	24	11,054	3.06	2.77	10.42	122.7	27.12
Daviess	286	11,151	3.05	2.74	9.62	100.4	22.40
Greene	27	10,928	3.88	3.55	12.37	87.3	19.08
Knox	1,066	10,987	2.67	2.43	10.45	117.9	25.92
Pike	1,229	11,373	4.06	3.57	10.95	126.3	28.73
Sullivan	604	11,092	2.45	2.21	10.07	131.5	29.17
Hoosier Energy R E C Inc Frank E Ratts	**624**	**11,173**	**1.35**	**1.21**	**7.99**	**133.6**	**29.84**
Indiana	624	11,173	1.35	1.21	7.99	133.6	29.84
Pike	624	11,173	1.35	1.21	7.99	133.6	29.84
Houston Lighting & Power Co Limestone	**8,938**	**6,592**	**1.05**	**1.59**	**17.06**	**102.9**	**13.56**
Texas	8,938	6,592	1.05	1.59	17.06	102.9	13.56
Leon	8,938	6,592	1.05	1.59	17.06	102.9	13.56
Houston Lighting & Power Co Parish	**11,121**	**8,625**	**.36**	**.42**	**5.21**	**170.9**	**29.49**
Wyoming	11,121	8,625	.36	.42	5.21	170.9	29.49
Campbell	11,121	8,625	.36	.42	5.21	170.9	29.49
IES Utilities Co 6th St	**177**	**10,302**	**.59**	**.57**	**4.96**	**149.7**	**30.84**
Illinois	61	12,057	1.06	.88	6.50	158.2	38.15
Jefferson	61	12,057	1.06	.88	6.50	158.2	38.15
Montana	116	9,381	.34	.36	4.16	143.9	27.01
Big Horn	116	9,381	.34	.36	4.16	143.9	27.01
IES Utilities Co Burlington	**690**	**8,304**	**.43**	**.52**	**5.48**	**79.5**	**13.21**
Wyoming	690	8,304	.43	.52	5.48	79.5	13.21
Campbell	690	8,304	.43	.52	5.48	79.5	13.21
IES Utilities Co Ottumwa	**3,191**	**8,390**	**.33**	**.40**	**5.75**	**85.6**	**14.36**
Wyoming	3,191	8,390	.33	.40	5.75	85.6	14.36
Campbell	3,191	8,390	.33	.40	5.75	85.6	14.36
IES Utilities Co Prairie Creek 1-4	**967**	**8,489**	**.34**	**.40**	**5.52**	**85.3**	**14.49**
Wyoming	967	8,489	.34	.40	5.52	85.3	14.49
Campbell	967	8,489	.34	.40	5.52	85.3	14.49
IES Utilities Co Sutherland	**575**	**8,779**	**.36**	**.41**	**5.55**	**77.5**	**13.61**
Wyoming	575	8,779	.36	.41	5.55	77.5	13.61
Campbell	534	8,631	.35	.40	5.52	74.0	12.77
Carbon	40	10,750	.62	.57	5.98	115.2	24.77
Illinois Power Co Baldwin	**3,911**	**10,676**	**2.77**	**2.59**	**10.16**	**105.2**	**22.46**
Illinois	3,764	10,748	2.87	2.67	10.37	105.5	22.67
Perry	875	10,970	2.77	2.52	9.67	108.6	23.82
Washington	2,889	10,681	2.90	2.71	10.58	104.5	22.32

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Illinois Power Co Baldwin							
Wyoming	147	8,848	0.21	0.24	4.69	95.7	16.93
Campbell	147	8,848	.21	.24	4.69	95.7	16.93
Illinois Power Co Havana	**765**	**11,656**	**.51**	**.44**	**9.34**	**139.5**	**32.52**
Colorado	427	11,732	.51	.44	9.33	140.4	32.94
Gunnison	427	11,732	.51	.44	9.33	140.4	32.94
Utah	338	11,560	.50	.43	9.35	138.4	31.99
Carbon	338	11,560	.50	.43	9.35	138.4	31.99
Illinois Power Co Hennepin	**526**	**10,474**	**2.17**	**2.07**	**9.19**	**118.8**	**24.88**
Illinois	295	10,696	2.94	2.74	10.17	118.7	25.39
Logan	10	10,500	3.25	3.10	10.00	155.3	32.61
Macoupin	22	10,737	3.46	3.22	8.01	137.8	29.59
Washington	262	10,700	2.88	2.69	10.36	115.6	24.75
Kentucky	102	12,031	2.24	1.86	11.04	125.2	30.11
Union	19	11,509	2.90	2.52	9.14	113.0	26.02
Webster	83	12,148	2.09	1.72	11.47	127.8	31.04
Wyoming	128	8,724	.34	.39	5.47	112.0	19.54
Campbell	128	8,724	.34	.39	5.47	112.0	19.54
Illinois Power Co Vermilion	**314**	**10,733**	**1.29**	**1.20**	**9.28**	**105.3**	**22.60**
Illinois	314	10,733	1.29	1.20	9.28	105.3	22.60
Vermilion	314	10,733	1.29	1.20	9.28	105.3	22.60
Illinois Power Co Wood River	**687**	**11,788**	**.72**	**.61**	**8.11**	**135.9**	**32.04**
Colorado	404	11,796	.52	.44	9.09	138.4	32.66
Gunnison	404	11,796	.52	.44	9.09	138.4	32.66
Illinois	283	11,777	1.01	.86	6.72	132.3	31.17
Jefferson	230	12,122	.92	.76	6.36	132.7	32.18
Macoupin	54	10,299	1.39	1.35	8.23	130.3	26.85
Independence City of Blue Valley	**142**	**10,695**	**3.54**	**3.31**	**16.57**	**132.2**	**28.28**
Illinois	15	11,245	2.39	2.13	10.17	193.2	43.46
Jackson	15	11,245	2.39	2.13	10.17	193.2	43.46
Missouri	128	10,632	3.67	3.45	17.31	124.8	26.53
Bates	128	10,632	3.67	3.45	17.31	124.8	26.53
Indiana Michigan Power Co Tanners Creek	**2,402**	**12,268**	**1.04**	**.84**	**8.52**	**121.8**	**29.89**
Illinois	244	12,178	1.39	1.14	6.76	119.9	29.21
Saline	244	12,178	1.39	1.14	6.76	119.9	29.21
Kentucky	816	13,138	1.34	1.02	6.65	125.5	32.96
Letcher	703	13,245	1.44	1.09	6.21	126.3	33.46
Pike	113	12,468	.66	.53	9.36	119.9	29.91
Ohio	7	12,109	2.83	2.34	10.90	87.1	21.09
Harrison	7	12,109	2.83	2.34	10.90	87.1	21.09
Pennsylvania	52	12,976	2.01	1.55	7.28	105.5	27.39
Greene	52	12,976	2.01	1.55	7.28	105.5	27.39
Virginia	20	12,761	2.10	1.65	8.56	107.1	27.32
Buchanan	20	12,761	2.10	1.65	8.56	107.1	27.32
West Virginia	1,123	12,041	.78	.64	10.84	120.7	29.07
Boone	189	12,293	.70	.57	11.61	123.9	30.45
Fayette	12	12,128	.68	.56	11.45	120.6	29.25
Kanawha	48	12,074	.66	.55	13.57	111.3	26.88
Lincoln	4	11,845	.65	.55	11.10	115.6	27.39
Logan	1	11,815	.64	.54	11.60	114.7	27.10
Marshall	46	12,386	2.52	2.04	9.90	95.8	23.74
Mingo	585	11,931	.66	.56	10.70	122.8	29.29
Monongalia	23	13,240	2.19	1.66	6.73	102.1	27.05
Wayne	210	11,888	.65	.55	10.61	122.2	29.05
Unknown[2]	5	12,852	.69	.54	7.00	122.2	31.41
Wyoming	140	8,862	.17	.19	4.24	120.8	21.41
Campbell	131	8,863	.16	.18	4.16	121.9	21.61
Converse	9	8,839	.28	.32	5.40	104.6	18.49
Indiana Michigan Power Co Rockport	**9,402**	**9,274**	**.33**	**.36**	**5.61**	**108.5**	**20.13**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Indiana Michigan Power Co Rockport							
Kentucky	1,022	12,146	0.84	0.69	11.44	115.3	28.00
Boyd	1	13,260	1.11	.84	6.00	136.3	36.15
Floyd	131	12,141	.90	.74	10.68	117.9	28.63
Martin	25	11,955	.83	.69	10.80	112.7	26.95
Pike	865	12,151	.83	.68	11.59	114.9	27.92
West Virginia	477	11,820	.81	.69	11.02	114.7	27.12
Boone	360	11,861	.83	.70	11.34	115.1	27.29
Mercer	15	8,661	.33	.38	5.60	104.1	18.03
Mingo	40	12,221	.85	.70	10.43	120.0	29.32
Wayne	62	12,099	.77	.64	10.90	111.2	26.91
Wyoming	7,903	8,748	.24	.27	4.53	106.8	18.69
Campbell	7,903	8,748	.24	.27	4.53	106.8	18.69
Indiana-Kentucky Electric Corp Clifty Creek	**5,060**	**9,970**	**.61**	**.61**	**5.59**	**114.5**	**22.82**
Ohio	382	10,803	4.12	3.81	13.41	108.7	23.48
Jackson	382	10,803	4.12	3.81	13.41	108.7	23.48
Virginia	977	13,886	.67	.48	5.55	158.1	43.90
Buchanan	977	13,886	.67	.48	5.55	158.1	43.90
West Virginia	8	13,139	3.04	2.31	7.20	110.0	28.91
Harrison	8	13,139	3.04	2.31	7.20	110.0	28.91
Wyoming	3,693	8,841	.22	.25	4.79	97.1	17.17
Campbell	2,187	8,859	.21	.24	4.43	97.5	17.28
Converse	1,506	8,815	.24	.27	5.31	96.5	17.01
Indianapolis Power & Light Co Stout	**1,818**	**11,078**	**1.19**	**1.08**	**8.16**	**110.8**	**24.55**
Indiana	1,818	11,078	1.19	1.08	8.16	110.8	24.55
Greene	737	11,365	1.32	1.16	7.45	116.9	26.58
Sullivan	110	10,819	1.07	.99	8.93	104.6	22.63
Vigo	971	10,890	1.11	1.02	8.61	106.7	23.23
Indianapolis Power & Light Co Petersburg	**5,607**	**11,187**	**2.82**	**2.52**	**9.21**	**91.4**	**20.44**
Indiana	5,607	11,187	2.82	2.52	9.21	91.4	20.44
Daviess	1,390	11,448	2.40	2.10	8.05	91.3	20.91
Gibson	1,149	11,216	2.77	2.47	9.84	86.4	19.38
Greene	5	11,367	1.23	1.08	7.60	113.1	25.71
Knox	1,050	11,241	2.70	2.40	9.01	83.9	18.85
Sullivan	5	10,933	1.00	.91	8.60	101.6	22.22
Vigo	5	10,943	1.08	.99	8.30	103.7	22.70
Warrick	2,003	10,962	3.20	2.92	9.76	98.2	21.54
Indianapolis Power & Light Co Pritchard	**676**	**11,033**	**1.22**	**1.11**	**8.24**	**105.9**	**23.37**
Indiana	676	11,033	1.22	1.11	8.24	105.9	23.37
Greene	195	11,466	1.37	1.20	7.02	112.7	25.85
Sullivan	246	10,874	1.13	1.04	8.78	101.7	22.12
Vigo	235	10,840	1.19	1.10	8.69	104.4	22.64
Interstate Power Co Dubuque	**173**	**11,612**	**.81**	**.70**	**8.08**	**121.1**	**28.12**
Colorado	62	11,653	.50	.42	9.02	139.4	32.49
Mesa	62	11,653	.50	.42	9.02	139.4	32.49
Illinois	105	11,758	1.03	.88	7.68	111.3	26.17
Jefferson	105	11,758	1.03	.88	7.68	111.3	26.17
Wyoming	6	8,715	.34	.39	5.49	101.1	17.62
Campbell	6	8,715	.34	.39	5.49	101.1	17.62
Interstate Power Co Lansing	**1,093**	**8,813**	**.37**	**.42**	**5.87**	**101.2**	**17.84**
Illinois	43	11,243	1.08	.96	10.60	117.3	26.39
Jefferson	43	11,243	1.08	.96	10.60	117.3	26.39
Wyoming	1,049	8,712	.34	.39	5.68	100.4	17.49
Campbell	1,049	8,712	.34	.39	5.68	100.4	17.49
Interstate Power Co Kapp	**514**	**10,327**	**.43**	**.41**	**7.57**	**121.4**	**25.07**
Colorado	285	11,613	.50	.43	9.12	133.1	30.92
Gunnison	21	11,657	.47	.40	9.31	132.6	30.91
Mesa	264	11,610	.50	.43	9.10	133.2	30.92

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Interstate Power Co Kapp							
Wyoming	229	8,721	0.33	0.38	5.65	101.9	17.77
Campbell	229	8,721	.33	.38	5.65	101.9	17.77
Iowa-Illinois Gas&Electric Co Riverside	**452**	**8,435**	**.32**	**.37**	**5.13**	**85.8**	**14.47**
Wyoming	452	8,435	.32	.37	5.13	85.8	14.47
Campbell	452	8,435	.32	.37	5.13	85.8	14.47
Iowa-Illinois Gas&Electric Co Louisa	**2,704**	**8,359**	**.34**	**.40**	**5.51**	**86.1**	**14.40**
Wyoming	2,704	8,359	.34	.40	5.51	86.1	14.40
Campbell	2,704	8,359	.34	.40	5.51	86.1	14.40
Jacksonville Electric Auth St. Johns River	**3,181**	**12,327**	**1.08**	**.87**	**8.37**	**155.1**	**38.23**
Kentucky	1,947	12,571	1.24	.99	8.93	161.4	40.59
Breathitt	10	12,739	1.11	.87	8.70	134.2	34.19
Harlan	1,011	12,836	1.40	1.09	9.05	173.6	44.56
Knott	28	12,605	1.12	.89	8.80	135.6	34.18
Letcher	286	12,991	1.32	1.02	7.73	133.6	34.70
Pike	285	12,097	1.31	1.09	12.47	162.9	39.42
Unknown[2]	327	11,794	.64	.54	6.54	149.3	35.22
Pennsylvania	93	12,954	1.84	1.42	6.94	138.5	35.87
Greene	93	12,954	1.84	1.42	6.94	138.5	35.87
West Virginia	57	13,146	2.18	1.66	7.70	134.3	35.32
Monongalia	57	13,146	2.18	1.66	7.70	134.3	35.32
Imported	1,083	11,791	.66	.56	7.51	145.7	34.35
Imported Coal	1,083	11,791	.66	.56	7.51	145.7	34.35
Jamestown City of Samuel A Carlson	**89**	**12,703**	**1.79**	**1.41**	**9.55**	**128.2**	**32.58**
Pennsylvania	89	12,703	1.79	1.41	9.55	128.2	32.58
Armstrong	20	12,957	2.40	1.85	8.00	125.9	32.63
Clarion	37	12,650	1.61	1.27	9.47	128.9	32.62
Clearfield	3	12,833	1.90	1.48	10.29	121.4	31.15
Elk	16	12,635	1.56	1.24	10.42	129.5	32.73
Jefferson	14	12,526	1.62	1.30	10.90	129.7	32.48
Kansas City City of Quindaro	**611**	**8,758**	**.32**	**.37**	**5.29**	**88.0**	**15.41**
Wyoming	611	8,758	.32	.37	5.29	88.0	15.41
Campbell	611	8,758	.32	.37	5.29	88.0	15.41
Kansas City City of Nearman	**789**	**8,244**	**.42**	**.51**	**5.28**	**67.1**	**11.07**
Wyoming	789	8,244	.42	.51	5.28	67.1	11.07
Campbell	789	8,244	.42	.51	5.28	67.1	11.07
Kansas City Power & Light Co Hawthorne	**182**	**8,802**	**.27**	**.30**	**5.04**	**68.0**	**11.98**
Wyoming	182	8,802	.27	.30	5.04	68.0	11.98
Campbell	182	8,802	.27	.30	5.04	68.0	11.98
Kansas City Power & Light Co Iatan	**2,912**	**8,733**	**.33**	**.37**	**5.49**	**74.1**	**12.94**
Wyoming	2,912	8,733	.33	.37	5.49	74.1	12.94
Campbell	2,912	8,733	.33	.37	5.49	74.1	12.94
Kansas City Power & Light Co La Cygne	**5,469**	**8,640**	**.61**	**.70**	**6.30**	**67.8**	**11.71**
Kansas	400	10,950	4.06	3.71	19.59	103.8	22.73
Linn	400	10,950	4.06	3.71	19.59	103.8	22.73
Wyoming	5,069	8,458	.34	.40	5.25	64.1	10.84
Campbell	5,069	8,458	.34	.40	5.25	64.1	10.84
Kansas City Power & Light Co Montrose	**1,752**	**8,780**	**.20**	**.23**	**4.58**	**90.6**	**15.90**
Wyoming	1,752	8,780	.20	.23	4.58	90.6	15.90
Campbell	1,752	8,780	.20	.23	4.58	90.6	15.90
Kansas Power & Light Co Lawrence	**1,260**	**9,917**	**.38**	**.38**	**5.37**	**107.0**	**21.23**
Colorado	445	10,913	.45	.41	7.82	134.7	29.39
Moffat	178	10,321	.34	.33	5.50	120.0	24.77
Routt	267	11,307	.52	.46	9.37	143.6	32.47

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kansas Power & Light Co Lawrence							
Montana	815	9,373	0.34	0.36	4.03	89.5	16.78
Big Horn	815	9,373	.34	.36	4.03	89.5	16.78
Kansas Power & Light Co Jeffrey Energy	**8,889**	**8,380**	**.35**	**.41**	**4.78**	**110.6**	**18.54**
Wyoming	8,889	8,380	.35	.41	4.78	110.6	18.54
Campbell	8,889	8,380	.35	.41	4.78	110.6	18.54
Kansas Power & Light Co Tecumseh	**646**	**9,708**	**.36**	**.38**	**4.92**	**103.1**	**20.01**
Colorado	142	10,928	.44	.40	8.02	138.9	30.37
Moffat	34	10,515	.34	.32	5.48	134.3	28.24
Routt	108	11,058	.47	.43	8.82	140.3	31.04
Montana	504	9,365	.34	.37	4.04	91.3	17.10
Big Horn	504	9,365	.34	.37	4.04	91.3	17.10
Kentucky Power Co Big Sandy	**3,218**	**12,215**	**1.11**	**.91**	**10.12**	**105.6**	**25.80**
Kentucky	3,134	12,220	1.11	.91	10.12	105.7	25.84
Bell	22	11,925	1.36	1.14	11.60	99.7	23.78
Boyd	90	12,146	.86	.71	10.77	92.7	22.52
Breathitt	20	11,666	1.28	1.09	11.55	100.9	23.55
Floyd	923	12,305	1.04	.85	10.23	113.6	27.95
Johnson	729	12,110	1.34	1.11	10.16	104.6	25.32
Lawrence	728	12,325	1.00	.81	9.29	98.6	24.30
Martin	383	12,150	1.11	.91	10.41	107.1	26.02
Perry	239	12,120	1.10	.91	11.12	104.6	25.36
West Virginia	84	12,016	.87	.72	10.36	101.1	24.30
Lincoln	17	12,011	.87	.72	10.36	101.0	24.26
Wayne	67	12,017	.87	.72	10.37	101.2	24.31
Kentucky Utilities Co Green River	**470**	**11,543**	**2.04**	**1.77**	**11.29**	**100.4**	**23.17**
Kentucky	470	11,543	2.04	1.77	11.29	100.4	23.17
Hopkins	453	11,577	2.02	1.75	11.22	100.9	23.37
Leslie	1	12,326	1.28	1.04	9.82	94.0	23.17
Muhlenberg	16	10,530	2.50	2.37	13.46	83.8	17.64
Kentucky Utilities Co Brown	**1,763**	**12,267**	**1.40**	**1.14**	**11.18**	**115.3**	**28.30**
Kentucky	1,443	12,088	1.31	1.09	12.12	114.5	27.68
Leslie	125	12,490	1.28	1.02	9.29	92.6	23.13
Letcher	9	13,112	1.86	1.42	7.40	118.5	31.08
Perry	1,310	12,042	1.31	1.09	12.42	116.6	28.09
Pennsylvania	319	13,081	1.77	1.35	6.94	118.9	31.10
Greene	319	13,081	1.77	1.35	6.94	118.9	31.10
Kentucky Utilities Co Ghent	**5,480**	**11,947**	**1.41**	**1.18**	**11.05**	**110.7**	**26.44**
Indiana	294	11,220	3.24	2.89	9.30	99.2	22.26
Gibson	13	11,231	3.39	3.02	9.60	99.8	22.42
Pike	281	11,220	3.24	2.88	9.29	99.2	22.25
Kentucky	693	11,769	1.44	1.22	11.57	107.2	25.24
Daviess	183	11,222	3.11	2.77	8.60	101.0	22.68
Floyd	258	11,563	.63	.55	14.88	113.8	26.31
Knott	52	12,082	.69	.57	12.10	120.2	29.04
Magoffin	63	12,302	2.14	1.74	10.30	78.4	19.29
Pike	137	12,524	.67	.54	9.69	111.7	27.98
West Virginia	4,190	12,251	1.36	1.11	11.57	112.1	27.46
Boone	311	12,563	.72	.57	10.89	119.5	30.01
Clay	152	12,427	.72	.58	11.75	115.7	28.77
Fayette	44	12,412	.65	.52	13.06	119.2	29.59
Kanawha	1,109	12,307	.68	.55	11.94	120.9	29.75
Logan	875	12,258	.67	.55	12.25	119.0	29.18
Marshall	924	12,181	3.77	3.09	11.09	86.6	21.09
Mingo	382	12,085	.69	.57	11.14	117.0	28.29
Wayne	325	11,997	.68	.56	10.62	118.4	28.41
Unknown[2]	68	12,440	.68	.55	11.90	117.4	29.21
Wyoming	304	8,856	.18	.20	4.40	108.2	19.16
Campbell	304	8,856	.18	.20	4.40	108.2	19.16
Kentucky Utilities Co Tyrone	**109**	**12,779**	**.85**	**.67**	**8.72**	**123.9**	**31.66**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kentucky Utilities Co Tyrone							
Kentucky	109	12,779	0.85	0.67	8.72	123.9	31.66
Perry	100	12,798	.85	.66	8.86	126.0	32.26
Unknown[2]	9	12,577	.91	.72	7.18	99.9	25.12
Lakeland City of Plant 3-Mcintosh	**790**	**12,798**	**1.40**	**1.09**	**8.90**	**173.8**	**44.48**
Kentucky	740	12,843	1.43	1.12	9.11	174.2	44.75
Harlan	617	12,858	1.39	1.08	9.00	174.8	44.96
Knott	67	13,091	1.20	.92	7.20	177.0	46.34
Pike	56	12,372	2.16	1.75	12.68	163.9	40.55
Virginia	18	13,124	1.14	.87	8.10	164.7	43.23
Dickenson	18	13,124	1.14	.87	8.10	164.7	43.23
Imported	32	11,570	.71	.61	4.50	168.1	38.90
Imported Coal	32	11,570	.71	.61	4.50	168.1	38.90
Lansing City of Eckert	**901**	**9,661**	**.41**	**.42**	**6.08**	**141.0**	**27.25**
Kentucky	177	12,707	.87	.69	8.39	161.4	41.01
Knott	12	12,775	.82	.64	7.84	154.1	39.37
Pike	165	12,702	.88	.69	8.43	161.9	41.13
West Virginia	24	12,333	.87	.70	9.16	154.2	38.04
Kanawha	4	12,352	.89	.72	9.42	153.5	37.93
Nicholas	2	12,827	.81	.63	4.00	152.6	39.15
Wayne	18	12,264	.87	.71	9.78	154.6	37.92
Wyoming	701	8,804	.27	.31	5.40	133.0	23.42
Converse	701	8,804	.27	.31	5.40	133.0	23.42
Lansing City of Erickson	**472**	**12,603**	**.87**	**.69**	**8.89**	**157.7**	**39.76**
Kentucky	414	12,647	.87	.69	8.78	158.4	40.07
Knott	30	12,840	.80	.62	7.82	153.4	39.39
Pike	384	12,632	.88	.70	8.86	158.8	40.13
West Virginia	53	12,583	.86	.68	10.09	153.7	38.69
Kanawha	32	12,454	.88	.70	10.06	152.2	37.92
Nicholas	21	12,782	.82	.64	10.13	156.0	39.87
Wyoming	4	8,838	.18	.21	4.94	132.3	23.38
Converse	4	8,838	.18	.21	4.94	132.3	23.38
Los Angeles City of Intermountain	**4,898**	**11,737**	**.51**	**.44**	**9.12**	**144.7**	**33.98**
Colorado	27	12,542	.55	.44	9.00	104.5	26.22
Gunnison	27	12,542	.55	.44	9.00	104.5	26.22
Utah	4,872	11,733	.51	.44	9.12	145.0	34.02
Carbon	4,277	11,649	.52	.45	9.24	152.2	35.45
Emery	595	12,334	.46	.37	8.32	96.3	23.75
Louisville Gas & Electric Co Cane Run	**1,473**	**11,385**	**3.39**	**2.98**	**11.16**	**100.2**	**22.81**
Indiana	793	11,348	3.42	3.01	10.03	100.6	22.83
Pike	793	11,348	3.42	3.01	10.03	100.6	22.83
Kentucky	680	11,428	3.35	2.93	12.47	99.6	22.77
Hopkins	623	11,393	3.33	2.93	12.44	99.9	22.76
Webster	57	11,813	3.53	2.99	12.80	96.9	22.89
Louisville Gas & Electric Co Mill Creek	**3,649**	**11,271**	**3.38**	**3.00**	**12.25**	**95.4**	**21.51**
Indiana	196	10,887	3.26	2.99	10.39	97.1	21.15
Warrick	196	10,887	3.26	2.99	10.39	97.1	21.15
Kentucky	3,203	11,230	3.34	2.98	12.38	96.2	21.60
Henderson	872	10,527	3.32	3.15	12.69	90.9	19.13
Hopkins	1,897	11,443	3.42	2.99	12.65	98.9	22.63
Magoffin	25	12,132	1.70	1.40	10.21	84.0	20.38
Union	244	11,582	2.94	2.53	9.38	93.6	21.69
Webster	165	11,845	3.47	2.93	12.47	96.5	22.86
Ohio	2	12,142	3.54	2.92	10.10	97.7	23.73
Monroe	2	12,142	3.54	2.92	10.10	97.7	23.73
West Virginia	249	12,091	3.90	3.22	12.06	85.6	20.71
Marshall	249	12,091	3.90	3.22	12.06	85.6	20.71
Louisville Gas & Electric Co Trimble County	**1,667**	**11,213**	**3.34**	**2.98**	**14.47**	**89.5**	**20.08**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Louisville Gas & Electric Co Trimble County							
Indiana	40	11,077	3.48	3.14	10.22	95.1	21.07
Warrick	40	11,077	3.48	3.14	10.22	95.1	21.07
Kentucky	849	10,652	3.43	3.22	14.32	87.5	18.64
Henderson	754	10,626	3.62	3.41	13.68	88.6	18.82
Johnson	5	9,378	1.37	1.46	27.70	49.6	9.30
Magoffin	47	12,332	2.15	1.75	10.11	80.8	19.92
Martin	41	9,281	1.63	1.76	29.54	81.5	15.12
Unknown[2]	2	12,864	1.36	1.06	5.30	66.1	17.01
Ohio	8	12,258	4.48	3.65	10.60	88.6	21.72
Monroe	8	12,258	4.48	3.65	10.60	88.6	21.72
West Virginia	770	11,828	3.23	2.73	14.90	91.3	21.59
Brooke	25	12,347	3.97	3.22	10.20	79.0	19.51
Kanawha	181	10,572	.84	.79	23.62	88.8	18.78
Marshall	564	12,207	3.96	3.25	12.31	92.5	22.59
Lower Colorado River Authority S Seymour-Fayette	**7,996**	**8,563**	**.34**	**.39**	**5.50**	**92.7**	**15.87**
Wyoming	7,996	8,563	.34	.39	5.50	92.7	15.87
Campbell	7,996	8,563	.34	.39	5.50	92.7	15.87
Madison Gas & Electric Co Blount	**142**	**10,743**	**1.31**	**1.22**	**9.41**	**143.4**	**30.80**
Indiana	142	10,743	1.31	1.22	9.41	143.4	30.80
Sullivan	142	10,743	1.31	1.22	9.41	143.4	30.80
Manitowoc Public Utilities Manitowoc	**119**	**12,929**	**1.36**	**1.05**	**7.11**	**161.5**	**41.75**
Indiana	15	11,500	1.11	.97	8.01	153.8	35.38
Daviess	3	11,356	1.10	.97	8.80	156.1	35.45
Owen	12	11,540	1.12	.97	7.79	153.2	35.36
Kentucky	41	13,204	1.18	.89	7.62	180.6	47.70
Pike	41	13,204	1.18	.89	7.62	180.6	47.70
Pennsylvania	62	13,097	1.54	1.17	6.55	150.2	39.35
Greene	62	13,097	1.54	1.17	6.55	150.2	39.35
Marquette City of Shiras	**156**	**9,817**	**.41**	**.42**	**4.37**	**122.8**	**24.11**
Kentucky	18	13,593	.90	.66	5.40	155.1	42.17
Perry	18	13,593	.90	.66	5.40	155.1	42.17
Montana	138	9,321	.35	.37	4.23	116.6	21.73
Big Horn	138	9,321	.35	.37	4.23	116.6	21.73
Metropolitan Edison Co Portland	**698**	**13,095**	**1.64**	**1.25**	**7.03**	**142.5**	**37.32**
Pennsylvania	698	13,095	1.64	1.25	7.03	142.5	37.32
Greene	487	13,086	1.74	1.33	7.02	142.9	37.41
Washington	211	13,118	1.40	1.07	7.07	141.5	37.12
Metropolitan Edison Co Titus	**482**	**13,226**	**1.37**	**1.04**	**6.81**	**137.4**	**36.35**
Pennsylvania	482	13,226	1.37	1.04	6.81	137.4	36.35
Greene	27	13,247	1.67	1.26	7.38	130.6	34.61
Washington	455	13,225	1.35	1.02	6.78	137.8	36.45
Michigan South Central Pwr Agy Endicott	**118**	**11,993**	**3.21**	**2.67**	**11.18**	**155.0**	**37.19**
Ohio	118	11,993	3.21	2.67	11.18	155.0	37.19
Columbiana	48	12,255	3.09	2.52	10.92	150.4	36.87
Harrison	26	11,800	3.58	3.03	13.01	158.7	37.46
Tuscarawas	43	11,823	3.11	2.63	10.35	158.1	37.39
Midwest Power Council Bluffs	**2,981**	**8,363**	**.35**	**.42**	**5.01**	**63.9**	**10.69**
Wyoming	2,981	8,363	.35	.42	5.01	63.9	10.69
Campbell	2,981	8,363	.35	.42	5.01	63.9	10.69
Midwest Power George Neal 1/4	**6,339**	**8,517**	**.33**	**.39**	**5.13**	**72.6**	**12.37**
Wyoming	6,339	8,517	.33	.39	5.13	72.6	12.37
Campbell	6,339	8,517	.33	.39	5.13	72.6	12.37
Minnesota Power & Light Co Boswell Energy Cen	**3,618**	**9,018**	**.56**	**.62**	**6.54**	**114.5**	**20.64**
Montana	3,532	9,020	.56	.63	6.59	114.3	20.63
Big Horn	1,445	9,339	.35	.38	4.27	106.4	19.87
Rosebud	2,088	8,800	.71	.81	8.19	120.2	21.15

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Minnesota Power & Light Co Boswell Energy Cen							
Wyoming	86	8,897	0.21	0.24	4.41	120.5	21.44
Campbell	86	8,897	.21	.24	4.41	120.5	21.44
Minnesota Power & Light Co Laskin Energy Cen	**280**	**9,332**	**.36**	**.39**	**4.41**	**122.4**	**22.85**
Montana	257	9,370	.38	.40	4.42	121.3	22.74
Big Horn	257	9,370	.38	.40	4.42	121.3	22.74
Wyoming	23	8,911	.19	.21	4.22	135.1	24.08
Campbell	23	8,911	.19	.21	4.22	135.1	24.08
Minnkota Power Coop Inc Young	**4,468**	**6,641**	**.89**	**1.34**	**8.92**	**58.2**	**7.73**
North Dakota	4,468	6,641	.89	1.34	8.92	58.2	7.73
Oliver	4,468	6,641	.89	1.34	8.92	58.2	7.73
Mississippi Power Co Daniel	**3,160**	**10,128**	**.42**	**.41**	**6.38**	**152.5**	**30.89**
Colorado	1,100	11,293	.51	.45	9.86	157.9	35.66
Routt	1,100	11,293	.51	.45	9.86	157.9	35.66
Montana	1,949	9,390	.36	.39	4.49	148.3	27.85
Big Horn	1,949	9,390	.36	.39	4.49	148.3	27.85
Imported	111	11,545	.41	.36	5.08	159.8	36.90
Imported Coal	111	11,545	.41	.36	5.08	159.8	36.90
Mississippi Power Co Watson	**2,225**	**11,773**	**1.13**	**.96**	**6.19**	**141.8**	**33.38**
Illinois	1,413	12,228	1.52	1.24	7.20	141.9	34.71
Gallatin	367	12,755	2.57	2.01	8.19	133.2	33.99
Saline	1,046	12,043	1.16	.96	6.85	145.1	34.96
Kentucky	4	12,001	2.44	2.03	7.40	115.0	27.60
Webster	4	12,001	2.44	2.03	7.40	115.0	27.60
Wyoming	201	8,685	.42	.48	5.46	136.0	23.63
Campbell	201	8,685	.42	.48	5.46	136.0	23.63
Imported	606	11,735	.44	.37	4.08	143.0	33.57
Imported Coal	606	11,735	.44	.37	4.08	143.0	33.57
Monongahela Power Co Albright	**460**	**12,507**	**1.55**	**1.24**	**12.30**	**104.6**	**26.16**
Pennsylvania	30	12,851	1.62	1.26	12.13	101.0	25.96
Somerset	30	12,851	1.62	1.26	12.13	101.0	25.96
West Virginia	430	12,483	1.55	1.24	12.32	104.8	26.17
Barbour	2	12,478	1.72	1.38	12.70	96.5	24.08
Braxton	22	12,505	1.40	1.12	12.93	104.4	26.10
Monongalia	15	12,168	1.61	1.32	12.58	103.8	25.26
Preston	391	12,494	1.56	1.24	12.27	104.9	26.22
Monongahela Power Co Ft Martin	**3,046**	**12,811**	**1.71**	**1.33**	**8.93**	**103.5**	**26.52**
Pennsylvania	2,393	12,941	1.70	1.32	7.99	105.1	27.21
Greene	2,393	12,941	1.70	1.32	7.99	105.1	27.21
West Virginia	653	12,332	1.74	1.41	12.38	97.3	24.01
Marion	48	13,094	1.78	1.36	7.64	104.7	27.42
Monongalia	605	12,272	1.73	1.41	12.76	96.7	23.74
Monongahela Power Co Harrison	**5,751**	**12,478**	**3.46**	**2.77**	**11.95**	**111.0**	**27.71**
West Virginia	5,751	12,478	3.46	2.77	11.95	111.0	27.71
Barbour	10	12,611	3.07	2.44	11.09	84.1	21.21
Harrison	4,878	12,463	3.44	2.76	11.88	115.2	28.72
Marion	438	12,564	3.64	2.90	12.31	90.4	22.71
Upshur	424	12,556	3.51	2.79	12.37	85.2	21.40
Monongahela Power Co Pleasants	**3,358**	**12,306**	**3.96**	**3.22**	**10.89**	**93.4**	**23.00**
Ohio	1,376	12,523	4.06	3.24	9.25	90.9	22.76
Belmont	1,376	12,523	4.06	3.24	9.25	90.9	22.76
West Virginia	1,982	12,155	3.90	3.21	12.03	95.3	23.16
Marshall	1,982	12,155	3.90	3.21	12.03	95.3	23.16
Monongahela Power Co Rivesville	**171**	**12,120**	**.99**	**.81**	**12.22**	**118.0**	**28.61**
Pennsylvania	75	12,033	.95	.79	10.91	119.7	28.82
Fayette	75	12,033	.95	.79	10.91	119.7	28.82

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Monongahela Power Co Rivesville							
West Virginia	95	12,187	1.02	0.84	13.26	116.7	28.45
Monongalia	95	12,187	1.02	.84	13.26	116.7	28.45
Monongahela Power Co Willow Island	**560**	**13,120**	**1.50**	**1.14**	**7.15**	**107.7**	**28.25**
Pennsylvania	556	13,128	1.50	1.14	7.12	107.7	28.28
Greene	227	13,099	1.51	1.15	7.28	105.9	27.74
Washington	328	13,148	1.49	1.14	7.00	109.0	28.65
West Virginia	4	12,013	1.61	1.34	11.20	100.9	24.24
Harrison	4	12,013	1.61	1.34	11.20	100.9	24.24
Montana Power Co Colstrip	**9,562**	**8,458**	**.77**	**.91**	**10.10**	**73.3**	**12.41**
Montana	9,562	8,458	.77	.91	10.10	73.3	12.41
Rosebud	9,562	8,458	.77	.91	10.10	73.3	12.41
Montana Power Co Corette	**640**	**8,675**	**.21**	**.24**	**4.46**	**58.8**	**10.21**
Wyoming	640	8,675	.21	.24	4.46	58.8	10.21
Campbell	640	8,675	.21	.24	4.46	58.8	10.21
Montana-Dakota Utilities Co Coyote	**2,442**	**6,975**	**1.10**	**1.57**	**8.65**	**76.4**	**10.66**
North Dakota	2,442	6,975	1.10	1.57	8.65	76.4	10.66
Mercer	1,121	6,979	1.08	1.55	8.61	76.4	10.67
Oliver	1,321	6,972	1.11	1.60	8.68	76.4	10.65
Montana-Dakota Utilities Co Heskett	**500**	**7,067**	**.72**	**1.03**	**6.96**	**103.3**	**14.60**
North Dakota	500	7,067	.72	1.03	6.96	103.3	14.60
Mercer	299	7,080	.72	1.01	6.88	102.9	14.58
Oliver	200	7,049	.74	1.05	7.08	103.9	14.64
Wyoming	*	7,072	.64	.90	6.81	54.2	7.67
Campbell	*	7,072	.64	.90	6.81	54.2	7.67
Montana-Dakota Utilities Co Lewis and Clark	**215**	**6,714**	**.52**	**.78**	**8.00**	**89.2**	**11.98**
Montana	215	6,714	.52	.78	8.00	89.2	11.98
Richland	215	6,714	.52	.78	8.00	89.2	11.98
Montaup Electric Co Somerset	**70**	**12,891**	**.67**	**.52**	**7.98**	**172.3**	**44.42**
Kentucky	14	12,713	.65	.51	6.60	145.9	37.10
Pike	14	12,713	.65	.51	6.60	145.9	37.10
West Virginia	56	12,935	.67	.52	8.32	178.6	46.22
Mingo	56	12,935	.67	.52	8.32	178.6	46.22
Muscatine City of Muscatine	**1,146**	**8,244**	**.89**	**1.08**	**6.66**	**77.0**	**12.69**
Wyoming	1,146	8,244	.89	1.08	6.66	77.0	12.69
Campbell	1,146	8,244	.89	1.08	6.66	77.0	12.69
Nebraska Public Power District Gerald Gentleman	**5,133**	**8,590**	**.27**	**.31**	**4.47**	**46.7**	**8.03**
Wyoming	5,133	8,590	.27	.31	4.47	46.7	8.03
Campbell	5,133	8,590	.27	.31	4.47	46.7	8.03
Nebraska Public Power District Sheldon	**918**	**8,760**	**.21**	**.24**	**4.62**	**63.1**	**11.05**
Utah	3	11,378	.26	.23	7.40	127.4	28.99
Sevier	3	11,378	.26	.23	7.40	127.4	28.99
Wyoming	915	8,751	.21	.24	4.62	62.8	10.99
Campbell	904	8,727	.20	.23	4.59	62.0	10.82
Carbon	11	10,683	.68	.64	6.50	116.0	24.78
Nevada Power Co Gardner	**1,906**	**11,653**	**.46**	**.39**	**8.92**	**117.3**	**27.33**
Utah	1,906	11,653	.46	.39	8.92	117.3	27.33
Carbon	769	12,033	.56	.47	9.71	131.5	31.64
Sevier	1,136	11,395	.39	.34	8.38	107.1	24.41
New York State Elec & Gas Corp Goudey	**77**	**13,417**	**2.28**	**1.70**	**6.82**	**140.3**	**37.65**
West Virginia	77	13,417	2.28	1.70	6.82	140.3	37.65
Monongalia	77	13,417	2.28	1.70	6.82	140.3	37.65
New York State Elec & Gas Corp Greenidge	**119**	**13,241**	**1.48**	**1.12**	**6.78**	**141.4**	**37.43**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New York State Elec & Gas Corp Greenidge							
Pennsylvania	115	13,233	1.46	1.10	6.79	141.3	37.41
Washington	115	13,233	1.46	1.10	6.79	141.3	37.41
West Virginia	4	13,479	2.30	1.71	6.64	141.7	38.20
Monongalia	4	13,479	2.30	1.71	6.64	141.7	38.20
New York State Elec & Gas Corp Hickling	**67**	**10,366**	**.83**	**.80**	**22.65**	**126.6**	**26.25**
Pennsylvania	67	10,366	.83	.80	22.65	126.6	26.25
Butler	1	10,422	.69	.66	14.25	126.2	26.30
Elk	2	10,745	.75	.69	13.07	133.3	28.65
Lycoming	65	10,356	.83	.80	22.99	126.5	26.20
New York State Elec & Gas Corp Jennison	**1**	**11,033**	**.83**	**.75**	**21.36**	**146.3**	**32.28**
Pennsylvania	1	11,033	.83	.75	21.36	146.3	32.28
Lycoming	1	11,033	.83	.75	21.36	146.3	32.28
New York State Elec & Gas Corp Kintigh	**635**	**13,109**	**2.44**	**1.86**	**7.42**	**132.5**	**34.73**
Pennsylvania	239	13,134	2.00	1.52	6.80	133.5	35.07
Greene	239	13,134	2.00	1.52	6.80	133.5	35.07
West Virginia	396	13,093	2.71	2.07	7.79	131.8	34.52
Marion	53	13,156	2.15	1.64	7.18	132.6	34.89
Monongalia	343	13,084	2.80	2.14	7.88	131.7	34.46
New York State Elec & Gas Corp Milliken	**253**	**13,073**	**2.38**	**1.82**	**7.52**	**135.2**	**35.34**
Pennsylvania	78	13,061	1.75	1.34	7.13	135.7	35.44
Armstrong	*	11,426	2.18	1.91	15.42	134.8	30.80
Clearfield	1	11,854	2.56	2.16	17.01	137.0	32.48
Greene	52	13,062	1.92	1.47	6.88	135.2	35.33
Lycoming	1	11,033	.83	.75	21.36	134.9	29.77
Washington	25	13,174	1.36	1.04	6.75	136.5	35.97
West Virginia	174	13,079	2.67	2.04	7.69	134.9	35.30
Monongalia	174	13,079	2.67	2.04	7.69	134.9	35.30
Niagara-Mohawk Power Corp Dunkirk	**553**	**13,173**	**2.00**	**1.52**	**7.15**	**131.1**	**34.53**
Pennsylvania	463	13,153	1.98	1.50	7.17	132.0	34.72
Greene	463	13,153	1.98	1.50	7.17	132.0	34.72
West Virginia	90	13,274	2.14	1.61	7.04	126.3	33.53
Marion	34	13,284	2.09	1.58	7.18	133.1	35.36
Monongalia	56	13,268	2.17	1.63	6.96	122.1	32.41
Niagara-Mohawk Power Corp Huntley	**548**	**13,106**	**1.79**	**1.37**	**7.02**	**143.2**	**37.54**
Pennsylvania	541	13,102	1.79	1.37	7.01	143.3	37.54
Greene	517	13,093	1.82	1.39	7.03	143.4	37.54
Washington	23	13,299	1.32	.99	6.63	141.1	37.53
West Virginia	8	13,402	1.82	1.36	7.66	140.6	37.69
Marion	8	13,402	1.82	1.36	7.66	140.6	37.69
Northern Indiana Pub Serv Co Bailly	**1,372**	**10,976**	**2.52**	**2.30**	**8.76**	**129.7**	**28.47**
Illinois	982	10,977	2.99	2.73	9.19	119.0	26.12
Montgomery	391	10,715	3.42	3.20	8.36	113.9	24.41
Perry	430	10,975	2.75	2.51	9.59	123.1	27.03
Randolph	35	11,064	3.01	2.72	9.17	116.3	25.74
Saline	127	11,765	2.47	2.10	10.42	120.8	28.41
Indiana	155	11,102	2.31	2.08	9.59	125.0	27.77
Knox	13	11,496	3.84	3.34	8.00	151.4	34.81
Sullivan	141	11,065	2.16	1.96	9.74	122.4	27.10
West Virginia	10	12,805	2.46	1.92	9.90	121.0	30.99
Monongalia	10	12,805	2.46	1.92	9.90	121.0	30.99
Wyoming	225	10,807	.63	.58	6.27	181.0	39.12
Campbell	1	8,684	.34	.40	5.55	101.7	17.66
Carbon	224	10,816	.63	.58	6.28	181.3	39.21
Northern Indiana Pub Serv Co Michigan City	**1,250**	**9,531**	**.45**	**.48**	**5.87**	**134.3**	**25.59**
Illinois	11	10,709	3.46	3.23	8.10	113.6	24.33
Montgomery	11	10,709	3.46	3.23	8.10	113.6	24.33

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Northern Indiana Pub Serv Co Michigan City							
Wyoming	1,239	9,521	0.43	0.45	5.85	134.5	25.61
Campbell	715	8,750	.31	.35	5.57	100.9	17.65
Carbon	476	10,750	.63	.58	6.32	178.5	38.38
Converse	48	8,809	.19	.22	5.40	98.6	17.37
Northern Indiana Pub Serv Co Mitchell	**1,044**	**9,265**	**.39**	**.43**	**5.62**	**131.2**	**24.31**
Wyoming	1,044	9,265	.39	.43	5.62	131.2	24.31
Campbell	788	8,756	.32	.36	5.43	107.5	18.82
Carbon	257	10,830	.63	.58	6.20	190.1	41.17
Northern Indiana Pub Serv Co Rollin Schahfer	**5,295**	**9,973**	**1.39**	**1.40**	**7.10**	**120.1**	**23.95**
Illinois	1,746	11,018	2.90	2.63	9.54	116.0	25.56
Montgomery	20	10,705	3.43	3.20	8.30	122.3	26.18
Perry	1,714	11,016	2.90	2.63	9.56	115.9	25.54
Saline	11	11,982	2.46	2.05	9.60	119.5	28.64
Indiana	63	11,412	3.73	3.27	8.24	130.2	29.71
Daviess	11	11,083	2.47	2.23	8.40	145.4	32.23
Knox	52	11,482	4.00	3.48	8.20	127.1	29.18
West Virginia	266	12,975	2.54	1.96	8.36	118.1	30.65
Monongalia	266	12,975	2.54	1.96	8.36	118.1	30.65
Wyoming	3,221	9,131	.44	.48	5.65	122.7	22.42
Campbell	2,569	8,702	.39	.44	5.50	107.2	18.66
Carbon	651	10,822	.63	.58	6.24	172.0	37.23
Northern States Power Co Bay Front	**74**	**11,715**	**.58**	**.49**	**6.11**	**166.2**	**38.94**
Kentucky	16	13,593	.78	.57	5.70	192.2	52.25
Letcher	16	13,593	.78	.57	5.70	192.2	52.25
Wyoming	58	11,184	.52	.47	6.22	157.3	35.18
Carbon	58	11,184	.52	.47	6.22	157.3	35.18
Northern States Power Co Black Dog	**827**	**8,917**	**.19**	**.21**	**4.44**	**99.6**	**17.77**
Colorado	12	11,803	.49	.42	7.50	127.2	30.03
Gunnison	12	11,803	.49	.42	7.50	127.2	30.03
Wyoming	816	8,876	.19	.21	4.39	99.1	17.60
Campbell	731	8,880	.19	.21	4.38	98.9	17.56
Converse	84	8,842	.18	.20	4.50	101.1	17.88
Northern States Power Co High Bridge	**719**	**8,856**	**.19**	**.21**	**4.51**	**99.5**	**17.63**
Wyoming	719	8,856	.19	.21	4.51	99.5	17.63
Campbell	683	8,858	.19	.21	4.48	98.8	17.51
Converse	36	8,812	.21	.23	5.13	112.3	19.79
Northern States Power Co King	**1,645**	**8,882**	**.28**	**.31**	**5.23**	**106.6**	**18.94**
Montana	308	8,857	.63	.71	8.47	110.2	19.52
Big Horn	308	8,857	.63	.71	8.47	110.2	19.52
Wyoming	1,337	8,888	.19	.22	4.49	105.8	18.80
Campbell	985	8,912	.19	.21	4.27	101.0	18.00
Converse	352	8,821	.22	.25	5.09	119.3	21.06
Northern States Power Co Riverside	**1,228**	**8,864**	**.19**	**.21**	**4.44**	**94.0**	**16.66**
Wyoming	1,228	8,864	.19	.21	4.44	94.0	16.66
Campbell	1,228	8,864	.19	.21	4.44	94.0	16.66
Northern States Power Co Sherburne County	**7,784**	**8,759**	**.50**	**.57**	**7.12**	**110.2**	**19.31**
Montana	4,168	8,763	.66	.75	8.71	106.1	18.59
Big Horn	3,122	8,750	.64	.73	8.89	105.1	18.39
Rosebud	1,046	8,801	.71	.81	8.17	109.0	19.18
Wyoming	3,616	8,755	.32	.36	5.28	115.1	20.15
Campbell	3,603	8,755	.32	.36	5.28	115.0	20.14
Converse	12	8,694	.21	.24	6.40	122.5	21.30
Ohio Edison Co Burger	**778**	**12,330**	**3.23**	**2.62**	**10.69**	**92.0**	**22.69**
Kentucky	13	9,175	1.54	1.68	29.55	58.7	10.78
Johnson	13	9,175	1.54	1.68	29.55	58.7	10.78

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Edison Co Burger							
Ohio	566	12,414	3.87	3.12	9.87	89.1	22.12
Belmont	447	12,525	4.23	3.37	9.13	86.3	21.61
Harrison	118	11,991	2.54	2.12	12.67	100.4	24.07
Pennsylvania	67	13,178	1.93	1.46	7.37	101.3	26.71
Greene	37	13,214	2.32	1.76	7.68	95.0	25.10
Washington	30	13,135	1.45	1.11	6.99	109.0	28.64
West Virginia	133	11,846	1.32	1.12	14.07	102.0	24.18
Kanawha	112	11,752	.88	.75	14.53	109.2	25.66
Marshall	21	12,358	3.73	3.02	11.59	65.4	16.15
Ohio Edison Co Niles	**541**	**11,810**	**2.85**	**2.42**	**12.92**	**106.5**	**25.16**
Ohio	529	11,818	2.85	2.41	12.88	106.9	25.27
Columbiana	31	10,056	3.71	3.69	16.64	91.9	18.49
Harrison	459	12,009	2.72	2.26	12.41	109.8	26.37
Mahoning	14	10,231	3.53	3.45	19.05	64.8	13.26
Tuscarawas	25	11,387	3.92	3.44	13.41	89.1	20.29
Pennsylvania	11	11,425	2.86	2.51	14.88	86.3	19.73
Armstrong	5	11,933	3.42	2.87	14.46	93.3	22.27
Butler	6	10,967	2.36	2.16	15.25	79.5	17.44
Ohio Edison Co Sammis	**5,750**	**12,362**	**1.24**	**1.00**	**11.89**	**115.7**	**28.61**
Kentucky	803	12,006	.80	.67	11.88	120.9	29.04
Clay	82	11,377	.79	.69	15.40	111.1	25.28
Magoffin	7	12,462	.75	.60	11.20	92.0	22.93
Martin	704	12,080	.80	.66	11.46	122.7	29.65
Pike	11	11,632	.83	.71	13.30	94.2	21.91
Pennsylvania	1,967	13,253	1.99	1.50	7.46	109.7	29.07
Beaver	16	12,172	.90	.74	13.00	107.0	26.05
Greene	1,553	13,231	2.13	1.61	7.56	111.8	29.58
Washington	386	13,438	1.50	1.11	6.70	101.7	27.34
Westmoreland	11	11,498	1.98	1.72	11.40	95.6	21.98
West Virginia	2,979	11,869	.86	.73	14.83	118.8	28.19
Fayette	1	10,000	.80	.80	30.00	80.8	16.16
Kanawha	1,265	11,969	.75	.62	13.66	123.6	29.60
Logan	57	12,474	.95	.76	9.07	94.2	23.51
Mingo	742	11,304	.97	.86	18.66	111.2	25.14
Nicholas	30	11,911	.94	.79	14.32	117.0	27.87
Wayne	11	8,949	.72	.80	31.00	64.8	11.60
Webster	873	12,202	.93	.76	13.44	120.0	29.29
Ohio Power Co Gavin	**6,638**	**11,362**	**3.42**	**3.01**	**12.04**	**189.5**	**43.06**
Ohio	5,740	11,214	3.38	3.02	12.27	203.2	45.57
Belmont	223	11,718	2.84	2.42	12.45	112.4	26.34
Gallia	318	11,067	2.81	2.54	11.90	119.7	26.50
Jackson	318	11,067	2.81	2.54	11.90	119.7	26.50
Meigs	4,554	11,221	3.53	3.15	12.34	225.2	50.55
Vinton	327	11,066	2.81	2.54	11.90	119.7	26.50
West Virginia	898	12,304	3.67	2.98	10.53	109.8	27.01
Marshall	878	12,309	3.66	2.97	10.52	110.5	27.21
Monongalia	20	12,083	4.04	3.34	10.80	75.3	18.20
Ohio Power Co Kammer	**1,546**	**12,409**	**3.05**	**2.46**	**9.73**	**91.5**	**22.70**
Pennsylvania	375	13,010	1.42	1.09	6.88	100.2	26.06
Greene	375	13,010	1.42	1.09	6.88	100.2	26.06
West Virginia	1,170	12,216	3.57	2.92	10.64	88.5	21.62
Marshall	1,170	12,216	3.57	2.92	10.64	88.5	21.62
Ohio Power Co Mitchell	**3,788**	**12,402**	**.78**	**.63**	**11.73**	**139.0**	**34.49**
Pennsylvania	3	12,645	2.15	1.70	10.70	100.8	25.49
Greene	3	12,645	2.15	1.70	10.70	100.8	25.49
West Virginia	3,785	12,402	.78	.63	11.73	139.1	34.49
Boone	2,747	12,439	.75	.60	11.28	146.7	36.49
Clay	276	12,090	.82	.68	13.73	140.2	33.91
Fayette	1	12,201	.66	.54	12.90	126.3	30.82
Kanawha	1	12,201	.66	.54	12.90	126.3	30.82
Wayne	13	12,048	.87	.72	8.95	104.9	25.29
Webster	747	12,387	.89	.72	12.70	111.1	27.53

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Power Co Muskingum	**2,533**	**12,051**	**2.16**	**1.79**	**12.16**	**190.1**	**45.81**
Kentucky	39	12,261	.68	.56	10.62	139.8	34.28
Pike	39	12,261	.68	.56	10.62	139.8	34.28
Ohio	913	11,534	4.59	3.98	12.71	300.5	69.31
Muskingum	100	11,534	4.58	3.98	12.73	300.5	69.33
Noble	812	11,534	4.59	3.98	12.71	300.4	69.31
West Virginia	1,581	12,344	.80	.65	11.87	131.7	32.53
Boone	542	12,453	.74	.59	10.91	136.6	34.03
Clay	19	12,317	.69	.56	12.48	181.2	44.65
Fayette	19	11,907	.75	.63	12.40	179.9	42.85
Harrison	10	12,850	3.17	2.47	7.60	80.3	20.64
Kanawha	2	12,311	.69	.56	12.49	181.0	44.58
Logan	501	12,221	.69	.57	12.11	137.3	33.56
Webster	488	12,359	.93	.75	12.74	117.7	29.09
Ohio Valley Electric Corp Kyger Creek	**3,080**	**12,847**	**2.42**	**1.89**	**8.11**	**110.8**	**28.47**
Kentucky	389	13,141	1.36	1.04	6.16	126.5	33.24
Breathitt	23	13,670	.67	.49	5.80	133.6	36.53
Floyd	78	13,208	1.52	1.15	5.42	129.0	34.07
Knott	100	13,361	1.58	1.19	5.37	128.1	34.23
Letcher	119	13,017	1.49	1.15	6.41	129.6	33.75
Pike	69	12,783	.88	.69	7.81	113.0	28.89
Ohio	533	12,470	4.02	3.23	9.30	93.9	23.42
Belmont	533	12,470	4.02	3.23	9.30	93.9	23.42
Pennsylvania	783	13,128	2.03	1.55	7.43	103.9	27.28
Greene	644	13,142	2.13	1.62	7.53	104.4	27.44
Washington	139	13,061	1.57	1.20	6.96	101.6	26.53
Virginia	400	13,612	.69	.51	5.80	133.1	36.23
Buchanan	400	13,612	.69	.51	5.80	133.1	36.23
West Virginia	975	12,395	3.00	2.42	9.73	109.4	27.12
Boone	201	13,001	.78	.60	7.52	113.9	29.62
Brooke	184	12,253	3.69	3.01	10.32	93.9	23.02
Marshall	590	12,233	3.54	2.89	10.30	112.6	27.54
Oklahoma Gas & Electric Co Muskogee	**6,530**	**8,626**	**.29**	**.34**	**5.22**	**84.7**	**14.61**
Wyoming	6,530	8,626	.29	.34	5.22	84.7	14.61
Campbell	6,433	8,623	.29	.34	5.22	84.7	14.61
Converse	97	8,831	.29	.33	5.17	84.4	14.91
Oklahoma Gas & Electric Co Sooner	**4,966**	**8,609**	**.31**	**.37**	**5.43**	**79.0**	**13.60**
Wyoming	4,966	8,609	.31	.37	5.43	79.0	13.60
Campbell	4,596	8,594	.32	.37	5.43	78.9	13.56
Converse	370	8,797	.29	.32	5.46	79.9	14.07
Omaha Public Power District Nebraska City	**2,790**	**8,351**	**.34**	**.40**	**5.82**	**54.7**	**9.14**
Wyoming	2,790	8,351	.34	.40	5.82	54.7	9.14
Campbell	2,790	8,351	.34	.40	5.82	54.7	9.14
Omaha Public Power District North Omaha	**2,106**	**8,395**	**.33**	**.40**	**5.60**	**66.8**	**11.21**
Wyoming	2,106	8,395	.33	.40	5.60	66.8	11.21
Campbell	2,106	8,395	.33	.40	5.60	66.8	11.21
Orange and Rockland Utils Inc Lovett	**268**	**12,972**	**.59**	**.46**	**7.93**	**183.9**	**47.70**
Kentucky	239	12,939	.58	.45	8.00	186.2	48.18
Pike	239	12,939	.58	.45	8.00	186.2	48.18
West Virginia	29	13,246	.73	.55	7.36	165.0	43.72
Nicholas	20	12,961	.78	.61	9.00	165.2	42.83
Raleigh	9	13,879	.61	.44	3.70	164.6	45.69
Orlando Utilities Comm Stanton Energy	**2,116**	**12,807**	**1.11**	**.86**	**8.56**	**168.3**	**43.12**
Kentucky	2,116	12,807	1.11	.86	8.56	168.3	43.12
Bell	81	12,879	1.13	.88	8.30	161.5	41.61
Harlan	642	12,773	.98	.76	8.66	164.3	41.97
Leslie	51	12,700	1.55	1.22	10.10	165.2	41.96
Letcher	722	12,784	1.02	.80	8.80	177.7	45.44
Pike	620	12,867	1.30	1.01	8.07	162.8	41.90
Otter Tail Power Co Big Stone	**2,059**	**8,630**	**.60**	**.69**	**8.67**	**93.6**	**16.16**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Otter Tail Power Co Big Stone							
Montana	1,499	8,715	0.67	0.77	9.39	92.8	16.17
Big Horn	1,499	8,715	.67	.77	9.39	92.8	16.17
Wyoming	560	8,401	.40	.48	6.77	96.0	16.13
Campbell	560	8,401	.40	.48	6.77	96.0	16.13
Otter Tail Power Co Hoot Lake	**350**	**9,273**	**.40**	**.43**	**4.73**	**125.7**	**23.31**
Montana	350	9,273	.40	.43	4.73	125.7	23.31
Big Horn	350	9,273	.40	.43	4.73	125.7	23.31
Owensboro City of Smith	**1,304**	**10,986**	**3.37**	**3.07**	**11.54**	**94.0**	**20.65**
Indiana	538	11,079	3.45	3.11	10.30	96.2	21.32
Gibson	306	11,156	3.84	3.44	10.58	96.5	21.52
Pike	176	10,987	2.95	2.68	10.00	96.0	21.09
Warrick	55	10,951	2.87	2.62	9.68	95.5	20.92
Kentucky	767	10,921	3.32	3.04	12.40	92.4	20.18
Daviess	317	10,854	2.95	2.72	10.02	95.0	20.62
Hancock	*	11,856	3.71	3.13	7.80	71.7	17.00
Henderson	50	10,680	3.23	3.02	12.46	89.5	19.13
Mclean	110	10,396	3.53	3.40	15.81	91.7	19.07
Muhlenberg	13	9,964	2.51	2.52	11.13	81.2	16.19
Ohio	113	11,240	3.96	3.52	11.32	90.5	20.35
Webster	163	11,337	3.53	3.11	15.58	90.9	20.60
PacifiCorp Carbon	**569**	**12,219**	**.43**	**.35**	**8.41**	**58.0**	**14.18**
Utah	569	12,219	.43	.35	8.41	58.0	14.18
Emery	567	12,220	.43	.35	8.41	58.1	14.19
Unknown[2]	2	11,877	.73	.61	10.60	50.0	11.88
PacifiCorp Centralia	**5,486**	**8,224**	**.75**	**.91**	**12.08**	**156.0**	**25.65**
Montana	1,502	9,342	.34	.37	4.22	122.7	22.93
Big Horn	1,502	9,342	.34	.37	4.22	122.7	22.93
Washington	3,984	7,803	.90	1.16	15.05	171.0	26.68
Lewis	3,832	7,803	.91	1.16	15.06	171.5	26.76
Thurston	152	7,782	.89	1.14	14.60	157.9	24.58
PacifiCorp Emery-Hunter	**4,305**	**11,561**	**.47**	**.41**	**11.28**	**72.8**	**16.84**
Utah	4,305	11,561	.47	.41	11.28	72.8	16.84
Emery	4,305	11,561	.47	.41	11.28	72.8	16.84
PacifiCorp Huntington	**2,919**	**12,060**	**.39**	**.32**	**9.09**	**62.8**	**15.14**
Utah	2,919	12,060	.39	.32	9.09	62.8	15.14
Emery	2,919	12,060	.39	.32	9.09	62.8	15.14
PacifiCorp Jim Bridger	**9,168**	**9,343**	**.54**	**.57**	**10.08**	**100.0**	**18.68**
Wyoming	9,168	9,343	.54	.57	10.08	100.0	18.68
Sweetwater	9,168	9,343	.54	.57	10.08	100.0	18.68
PacifiCorp Johnston	**3,717**	**7,955**	**.45**	**.57**	**8.33**	**46.6**	**7.41**
Wyoming	3,717	7,955	.45	.57	8.33	46.6	7.41
Campbell	778	8,378	.36	.43	5.45	45.3	7.59
Converse	2,939	7,843	.47	.60	9.09	47.0	7.37
PacifiCorp Naughton	**2,529**	**9,977**	**.75**	**.75**	**4.92**	**115.5**	**23.05**
Wyoming	2,529	9,977	.75	.75	4.92	115.5	23.05
Lincoln	2,529	9,977	.75	.75	4.92	115.5	23.05
PacifiCorp Wyodak	**2,080**	**8,023**	**.53**	**.66**	**6.69**	**73.6**	**11.81**
Wyoming	2,080	8,023	.53	.66	6.69	73.6	11.81
Campbell	2,080	8,023	.53	.66	6.69	73.6	11.81
Painesville City of Painesville	**92**	**12,528**	**2.52**	**2.01**	**8.36**	**131.7**	**32.99**
Ohio	92	12,528	2.52	2.01	8.36	131.7	32.99
Columbiana	92	12,528	2.52	2.01	8.36	131.7	32.99
Pennsylvania Electric Co Conemaugh	**4,681**	**12,658**	**2.29**	**1.81**	**11.63**	**104.8**	**26.54**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Electric Co Conemaugh							
Pennsylvania	4,226	12,656	2.26	1.79	11.72	104.4	26.42
Armstrong	601	12,384	2.35	1.90	13.47	101.0	25.03
Butler	33	12,377	2.45	1.98	10.91	104.3	25.81
Cambria	176	12,504	2.38	1.91	13.22	89.9	22.49
Clearfield	213	12,394	2.46	1.98	13.48	106.4	26.36
Greene	1,188	13,124	2.05	1.56	7.38	103.6	27.18
Indiana	435	12,451	2.45	1.97	14.22	102.7	25.57
Somerset	1,301	12,530	2.29	1.83	13.50	109.0	27.30
Westmoreland	279	12,481	2.25	1.80	12.04	104.4	26.05
West Virginia	455	12,681	2.58	2.04	10.84	108.8	27.59
Monongalia	455	12,681	2.58	2.04	10.84	108.8	27.59
Pennsylvania Electric Co Homer City	**1,322**	**11,233**	**2.46**	**2.19**	**20.30**	**116.8**	**26.24**
Pennsylvania	1,322	11,233	2.46	2.19	20.30	116.8	26.24
Armstrong	211	10,892	3.70	3.39	23.57	95.5	20.80
Cambria	38	11,409	2.65	2.33	18.80	105.8	24.15
Fayette	10	11,188	3.85	3.44	20.50	81.6	18.26
Indiana	717	11,365	1.75	1.54	18.89	130.2	29.58
Jefferson	26	12,155	.67	.55	10.06	146.9	35.71
Somerset	314	11,073	3.36	3.03	22.35	99.7	22.07
Westmoreland	5	10,721	.77	.72	17.80	104.4	22.39
Pennsylvania Electric Co Keystone	**4,917**	**12,494**	**1.71**	**1.37**	**12.55**	**127.0**	**31.74**
Pennsylvania	4,689	12,451	1.68	1.35	12.83	127.9	31.84
Armstrong	2,906	12,435	1.70	1.37	13.11	127.0	31.59
Greene	304	12,875	1.66	1.29	8.13	106.9	27.52
Indiana	1,181	12,387	1.55	1.25	13.30	141.4	35.04
Somerset	9	12,299	1.72	1.40	12.50	95.9	23.59
Washington	4	12,364	1.59	1.29	14.90	88.0	21.76
Westmoreland	285	12,422	2.03	1.63	13.04	105.7	26.26
West Virginia	228	13,378	2.26	1.69	6.69	110.3	29.52
Monongalia	228	13,378	2.26	1.69	6.69	110.3	29.52
Pennsylvania Electric Co Seward	**322**	**12,294**	**1.62**	**1.32**	**14.25**	**110.0**	**27.05**
Pennsylvania	322	12,294	1.62	1.32	14.25	110.0	27.05
Somerset	322	12,294	1.62	1.32	14.25	110.0	27.05
Pennsylvania Electric Co Shawville	**1,311**	**12,341**	**1.78**	**1.45**	**13.25**	**113.7**	**28.07**
Pennsylvania	1,311	12,341	1.78	1.45	13.25	113.7	28.07
Clearfield	1,311	12,341	1.78	1.45	13.25	113.7	28.07
Pennsylvania Electric Co Warren	**126**	**12,288**	**1.77**	**1.44**	**11.95**	**116.4**	**28.61**
Pennsylvania	126	12,288	1.77	1.44	11.95	116.4	28.61
Armstrong	63	12,153	1.84	1.51	11.89	114.1	27.72
Clarion	5	12,272	1.74	1.42	12.20	114.8	28.18
Jefferson	59	12,433	1.70	1.37	12.00	119.0	29.59
Pennsylvania Power & Light Co Brunner Island	**3,089**	**12,897**	**1.36**	**1.06**	**9.38**	**144.3**	**37.22**
Kentucky	41	12,784	1.11	.87	10.52	143.4	36.65
Boyd	11	13,324	1.04	.78	8.30	141.9	37.81
Martin	10	12,640	.74	.59	9.00	146.2	36.96
Pike	20	12,560	1.33	1.06	12.50	142.8	35.87
Pennsylvania	1,498	13,160	1.86	1.41	7.65	143.9	37.86
Clarion	11	12,934	1.44	1.11	9.30	99.2	25.66
Clearfield	10	12,717	1.21	.95	13.40	128.4	32.66
Greene	1,477	13,165	1.87	1.42	7.60	144.3	37.99
Virginia	20	12,505	1.02	.82	13.05	143.5	35.90
Wise	20	12,505	1.02	.82	13.05	143.5	35.90
West Virginia	1,530	12,646	.89	.70	11.00	144.8	36.63
Clay	62	12,477	.76	.61	12.33	155.7	38.86
Kanawha	463	12,504	.84	.67	11.16	145.2	36.30
Mingo	385	12,756	.72	.57	10.84	147.7	37.69
Monongalia	10	13,091	1.88	1.44	7.70	122.7	32.13
Nicholas	21	12,622	.83	.66	12.00	150.2	37.92
Upshur	164	13,057	1.28	.98	9.18	140.9	36.79
Wayne	56	12,436	.94	.76	10.24	147.8	36.75
Webster	359	12,581	.94	.75	11.76	141.0	35.49

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Power & Light Co Holtwood	**1**	**11,090**	**1.16**	**1.05**	**23.20**	**133.3**	**29.57**
Pennsylvania	1	11,090	1.16	1.05	23.20	133.3	29.57
Somerset	1	11,090	1.16	1.05	23.20	133.3	29.57
Pennsylvania Power & Light Co Martins Creek	**344**	**13,191**	**2.03**	**1.54**	**8.13**	**124.7**	**32.89**
Pennsylvania	344	13,191	2.03	1.54	8.13	124.7	32.89
Clearfield	10	12,427	2.02	1.63	13.04	144.1	35.81
Greene	334	13,214	2.03	1.53	7.99	124.1	32.81
Pennsylvania Power & Light Co Montour	**3,285**	**12,835**	**1.91**	**1.49**	**10.88**	**136.5**	**35.03**
Pennsylvania	3,201	12,824	1.91	1.49	10.97	136.8	35.08
Cambria	311	12,613	1.96	1.56	12.31	135.2	34.11
Clarion	29	12,868	1.67	1.30	9.04	128.1	32.96
Clearfield	738	12,667	1.90	1.50	13.30	131.4	33.28
Greene	1,091	13,134	1.91	1.46	7.72	141.6	37.20
Indiana	669	12,642	1.95	1.54	12.42	139.0	35.14
Jefferson	151	12,507	1.96	1.57	13.17	130.4	32.62
Somerset	193	12,818	1.72	1.34	11.89	131.3	33.66
Venango	19	13,418	1.26	.94	9.60	127.4	34.19
West Virginia	84	13,280	2.15	1.62	7.47	124.2	32.99
Monongalia	84	13,280	2.15	1.62	7.47	124.2	32.99
Pennsylvania Power & Light Co Sunbury	**445**	**10,966**	**1.20**	**1.10**	**20.55**	**106.8**	**23.43**
Pennsylvania	445	10,966	1.20	1.10	20.55	106.8	23.43
Allegheny	1	12,482	1.63	1.31	12.40	124.2	31.01
Clarion	45	12,800	1.37	1.07	9.07	132.3	33.86
Clearfield	190	12,527	1.57	1.26	13.04	113.7	28.49
Elk	6	12,635	1.43	1.13	11.25	133.6	33.77
Greene	29	13,283	1.71	1.29	7.97	137.9	36.63
Jefferson	7	12,736	1.54	1.21	11.80	134.3	34.21
Lycoming	33	11,077	.81	.73	21.80	128.0	28.36
Schuylkill	123	7,311	.58	.79	39.00	49.8	7.28
Sullivan	11	8,764	.51	.59	31.75	64.5	11.30
Pennsylvania Power Co New Castle	**658**	**11,967**	**1.64**	**1.37**	**11.98**	**115.8**	**27.73**
Pennsylvania	658	11,967	1.64	1.37	11.98	115.8	27.73
Beaver	658	11,967	1.64	1.37	11.98	115.8	27.73
Pennsylvania Power Co Bruce Mansfield	**4,346**	**12,059**	**3.65**	**3.02**	**12.61**	**167.7**	**40.45**
Ohio	42	12,070	3.32	2.75	12.32	173.2	41.80
Carroll	29	12,075	3.49	2.89	12.56	174.8	42.22
Tuscarawas	13	12,056	2.95	2.44	11.78	169.4	40.84
Pennsylvania	433	12,094	3.58	2.96	12.26	170.5	41.25
Butler	96	12,096	3.68	3.04	12.72	172.0	41.62
Fayette	25	11,979	3.56	2.97	13.60	193.8	46.43
Greene	142	12,072	3.48	2.88	12.69	181.0	43.70
Washington	170	12,128	3.60	2.97	11.43	157.6	38.22
West Virginia	3,871	12,055	3.66	3.03	12.66	167.3	40.35
Barbour	3	12,152	3.82	3.14	11.00	153.0	37.19
Kanawha	11	11,967	3.38	2.82	13.70	214.2	51.27
Marshall	3,828	12,055	3.66	3.03	12.66	167.3	40.33
Monongalia	20	12,078	3.41	2.82	12.13	159.6	38.55
Webster	9	12,105	3.71	3.06	11.68	168.3	40.74
Philadelphia Electric Co Cromby	**243**	**13,213**	**1.81**	**1.37**	**7.66**	**142.9**	**37.76**
Pennsylvania	243	13,213	1.81	1.37	7.66	142.9	37.76
Greene	134	13,295	1.99	1.49	7.90	144.7	38.47
Washington	109	13,113	1.60	1.22	7.36	140.6	36.88
Philadelphia Electric Co Eddystone	**1,017**	**13,208**	**1.84**	**1.39**	**7.60**	**144.9**	**38.28**
Pennsylvania	1,017	13,208	1.84	1.39	7.60	144.9	38.28
Greene	531	13,260	2.00	1.51	7.81	146.9	38.97
Washington	486	13,152	1.66	1.26	7.36	142.6	37.52
Plains Elec Gen&Trans Coop Inc Escalante	**926**	**9,260**	**.84**	**.91**	**17.25**	**131.5**	**24.35**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Plains Elec Gen&Trans Coop Inc Escalante							
New Mexico	926	9,260	0.84	0.91	17.25	131.5	24.35
Mckinley	926	9,260	.84	.91	17.25	131.5	24.35
Platte River Power Authority Rawhide	**1,327**	**8,806**	**.25**	**.29**	**5.41**	**59.9**	**10.55**
Wyoming	1,327	8,806	.25	.29	5.41	59.9	10.55
Campbell	50	8,758	.19	.22	4.57	60.1	10.53
Converse	1,277	8,807	.25	.29	5.44	59.9	10.55
Portland General Electric Co Boardman	**2,326**	**8,961**	**.39**	**.44**	**6.41**	**107.9**	**19.34**
Colorado	14	11,057	.48	.43	11.20	75.0	16.59
Gunnison	14	11,057	.48	.43	11.20	75.0	16.59
Utah	287	11,870	.55	.46	11.93	102.6	24.36
Emery	287	11,870	.55	.46	11.93	102.6	24.36
Wyoming	2,025	8,535	.37	.43	5.60	109.2	18.65
Campbell	1,933	8,521	.37	.44	5.61	109.1	18.59
Converse	92	8,822	.23	.27	5.35	112.7	19.89
Potomac Edison Co Smith	**122**	**12,320**	**.97**	**.79**	**12.76**	**130.3**	**32.11**
Maryland	38	12,301	.98	.80	11.71	126.3	31.06
Allegany	38	12,301	.98	.80	11.71	126.3	31.06
Pennsylvania	83	12,329	.97	.78	13.25	132.2	32.59
Bedford	*	12,758	1.12	.88	10.70	125.0	31.89
Somerset	83	12,327	.97	.78	13.26	132.2	32.60
Potomac Electric Power Co Chalk	**1,659**	**13,153**	**1.29**	**.98**	**9.13**	**144.2**	**37.93**
Maryland	189	13,221	1.59	1.20	9.62	131.7	34.82
Garrett	189	13,221	1.59	1.20	9.62	131.7	34.82
Pennsylvania	698	13,145	1.41	1.07	9.11	141.9	37.29
Cambria	8	12,895	1.20	.93	9.80	150.9	38.92
Clearfield	7	12,562	1.78	1.42	11.40	173.5	43.59
Greene	186	13,215	1.71	1.29	6.91	141.4	37.36
Somerset	445	13,116	1.28	.97	10.23	142.4	37.36
Washington	52	13,256	1.45	1.10	6.95	133.5	35.38
Virginia	65	13,157	1.08	.82	9.40	153.2	40.32
Dickenson	65	13,157	1.08	.82	9.40	153.2	40.32
West Virginia	707	13,142	1.12	.85	8.99	149.0	39.17
Barbour	175	13,246	1.23	.93	9.02	151.6	40.16
Greenbrier	52	13,069	.90	.69	9.73	142.1	37.14
Preston	78	13,272	1.26	.95	8.22	161.3	42.81
Upshur	386	13,082	1.07	.82	9.02	146.9	38.42
Webster	16	13,059	1.00	.77	9.25	134.4	35.09
Potomac Electric Power Co Dickerson	**1,280**	**13,256**	**1.27**	**.96**	**8.41**	**124.8**	**33.07**
Pennsylvania	16	13,053	1.66	1.27	6.60	125.0	32.62
Greene	16	13,053	1.66	1.27	6.60	125.0	32.62
West Virginia	1,264	13,258	1.27	.95	8.43	124.8	33.08
Barbour	526	13,176	1.27	.96	8.81	124.3	32.76
Preston	682	13,338	1.28	.96	8.10	125.1	33.37
Upshur	48	13,064	1.06	.81	9.00	125.5	32.79
Webster	8	13,022	.76	.58	8.50	121.0	31.51
Potomac Electric Power Co Morgantown	**2,538**	**13,153**	**1.46**	**1.11**	**7.28**	**137.6**	**36.20**
Pennsylvania	2,022	13,156	1.53	1.17	6.89	135.7	35.72
Cambria	7	12,686	1.28	1.01	8.60	153.4	38.92
Greene	1,592	13,148	1.57	1.20	6.88	136.3	35.83
Somerset	21	13,192	1.12	.85	9.70	166.0	43.80
Washington	402	13,194	1.40	1.06	6.73	131.8	34.78
West Virginia	516	13,142	1.15	.88	8.79	144.9	38.09
Barbour	137	13,177	1.20	.91	8.87	151.5	39.93
Preston	81	13,383	1.32	.99	8.13	148.1	39.63
Upshur	298	13,060	1.08	.83	8.93	141.0	36.83
Potomac Electric Power Co Potomac River	**1,114**	**13,146**	**.76**	**.58**	**7.96**	**144.4**	**37.96**
Kentucky	270	13,098	.82	.63	7.20	146.7	38.42
Pike	270	13,098	.82	.63	7.20	146.7	38.42

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Potomac Electric Power Co Potomac River							
Virginia	180	13,173	0.74	0.56	8.81	142.1	37.44
Buchanan	56	13,099	.75	.57	8.69	142.2	37.25
Russell	124	13,207	.74	.56	8.87	142.1	37.52
West Virginia	664	13,159	.74	.56	8.04	144.0	37.91
Mingo	347	12,941	.76	.59	8.44	149.2	38.61
Wyoming	317	13,397	.72	.53	7.60	138.6	37.15
PSI Energy Inc Cayuga	**3,046**	**10,897**	**1.39**	**1.28**	**9.24**	**114.1**	**24.86**
Illinois	267	10,928	1.26	1.16	8.11	109.6	23.95
Vermilion	267	10,928	1.26	1.16	8.11	109.6	23.95
Indiana	2,779	10,894	1.40	1.29	9.35	114.5	24.95
Daviess	580	11,125	.60	.54	7.19	122.6	27.29
Gibson	10	11,052	1.31	1.19	7.50	132.1	29.20
Greene	1,460	10,944	1.85	1.69	10.01	110.0	24.07
Knox	33	11,036	.64	.58	7.40	129.3	28.54
Parke	35	11,818	1.98	1.67	6.39	93.2	22.02
Vigo	661	10,522	1.11	1.06	10.08	117.6	24.75
PSI Energy Inc Edwardsport	**264**	**11,005**	**1.60**	**1.46**	**9.24**	**92.2**	**20.28**
Indiana	264	11,005	1.60	1.46	9.24	92.2	20.28
Daviess	13	11,307	2.34	2.07	7.90	82.5	18.66
Gibson	22	11,235	.55	.49	7.17	99.9	22.45
Greene	15	11,096	.94	.84	8.36	97.7	21.67
Knox	211	10,981	1.72	1.57	9.62	91.5	20.11
Unknown[2]	3	9,403	1.39	1.48	8.10	92.3	17.36
PSI Energy Inc Gallagher	**1,287**	**12,706**	**2.11**	**1.66**	**7.81**	**114.7**	**29.14**
Illinois	164	11,496	1.75	1.52	9.86	110.9	25.50
Gallatin	44	12,781	2.42	1.89	8.02	90.6	23.15
Wabash	120	11,023	1.50	1.36	10.54	119.6	26.36
Indiana	155	11,061	1.67	1.51	9.23	118.9	26.31
Daviess	20	11,697	2.08	1.78	7.01	105.5	24.69
Gibson	2	10,799	1.84	1.70	10.00	110.2	23.80
Greene	61	11,084	1.47	1.33	9.53	110.1	24.41
Knox	17	11,065	1.30	1.18	9.57	107.7	23.83
Vigo	56	10,819	1.84	1.71	9.56	137.6	29.78
Kentucky	38	12,386	1.98	1.60	9.79	97.5	24.16
Floyd	3	12,096	1.50	1.24	10.10	108.1	26.15
Magoffin	11	12,400	2.09	1.68	10.26	88.1	21.85
Union	7	12,500	1.99	1.59	9.00	88.2	22.05
Webster	17	12,389	1.99	1.60	9.72	105.7	26.20
Pennsylvania	451	13,135	2.23	1.70	7.58	108.7	28.55
Greene	441	13,129	2.24	1.71	7.61	108.7	28.53
Washington	10	13,407	1.70	1.26	6.31	109.3	29.31
West Virginia	478	13,279	2.27	1.71	6.70	121.5	32.28
Fayette	3	12,943	1.50	1.16	12.50	126.3	32.69
Monongalia	473	13,284	2.29	1.72	6.64	121.5	32.28
Unknown[2]	2	12,655	.08	.06	12.30	128.3	32.47
PSI Energy Inc Gibson Station	**9,207**	**11,050**	**1.81**	**1.64**	**8.79**	**106.9**	**23.62**
Illinois	1,063	10,997	1.52	1.38	10.53	106.3	23.38
Wabash	1,063	10,997	1.52	1.38	10.53	106.3	23.38
Indiana	8,143	11,057	1.85	1.67	8.57	107.0	23.65
Daviess	512	11,078	.62	.56	7.64	118.2	26.19
Gibson	6,010	11,142	2.16	1.94	8.55	101.1	22.53
Knox	173	11,010	.52	.47	7.68	116.8	25.71
Sullivan	53	10,672	1.00	.94	8.90	119.3	25.46
Vigo	1,396	10,705	1.14	1.06	9.10	127.2	27.24
PSI Energy Inc Noblesville	**203**	**11,458**	**1.96**	**1.71**	**8.20**	**116.1**	**26.60**
Indiana	203	11,458	1.96	1.71	8.20	116.1	26.60
Clay	9	10,232	1.95	1.91	14.20	106.2	21.73
Daviess	18	11,497	2.28	1.98	7.36	114.4	26.30
Gibson	1	11,228	.52	.46	7.30	142.3	31.95
Greene	47	11,202	2.05	1.83	9.35	118.1	26.46
Knox	52	11,155	1.54	1.38	8.37	132.5	29.56
Parke	76	11,968	2.14	1.79	6.84	105.6	25.27

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
PSI Energy Inc Wabash River	**2,024**	**10,895**	**1.88**	**1.72**	**9.71**	**108.5**	**23.65**
Indiana	2,024	10,895	1.88	1.72	9.71	108.5	23.65
Clay	58	11,317	1.82	1.61	8.50	106.7	24.15
Gibson	3	11,238	1.47	1.31	8.30	116.1	26.09
Greene	1,733	10,918	1.98	1.81	9.78	108.5	23.68
Vigo	229	10,611	1.13	1.07	9.49	109.6	23.25
Public Service Co of Colorado Arapahoe	**799**	**8,790**	**.28**	**.32**	**5.34**	**82.9**	**14.57**
Wyoming	799	8,790	.28	.32	5.34	82.9	14.57
Campbell	225	8,748	.33	.37	5.35	84.6	14.79
Converse	574	8,806	.27	.31	5.34	82.2	14.48
Public Service Co of Colorado Cameo	**325**	**10,940**	**.59**	**.54**	**15.30**	**117.3**	**25.68**
Colorado	325	10,940	.59	.54	15.30	117.3	25.68
Mesa	300	10,930	.59	.54	15.39	119.2	26.06
Routt	26	11,057	.60	.54	14.19	95.7	21.16
Public Service Co of Colorado Cherokee	**2,203**	**11,229**	**.48**	**.43**	**9.15**	**100.6**	**22.60**
Colorado	2,203	11,229	.48	.43	9.15	100.6	22.60
Moffat	11	10,145	.30	.30	6.37	93.3	18.93
Routt	2,192	11,235	.48	.43	9.17	100.7	22.62
Public Service Co of Colorado Comanche	**2,975**	**8,575**	**.29**	**.34**	**4.38**	**93.7**	**16.06**
Wyoming	2,975	8,575	.29	.34	4.38	93.7	16.06
Campbell	2,975	8,575	.29	.34	4.38	93.7	16.06
Public Service Co of Colorado Hayden	**1,363**	**10,618**	**.41**	**.38**	**7.89**	**107.7**	**22.87**
Colorado	1,363	10,618	.41	.38	7.89	107.7	22.87
Routt	1,363	10,618	.41	.38	7.89	107.7	22.87
Public Service Co of Colorado Pawnee	**2,591**	**8,389**	**.34**	**.40**	**4.70**	**85.5**	**14.34**
Wyoming	2,591	8,389	.34	.40	4.70	85.5	14.34
Campbell	2,591	8,389	.34	.40	4.70	85.5	14.34
Public Service Co of Colorado Valmont	**340**	**10,977**	**.44**	**.40**	**8.21**	**109.6**	**24.07**
Colorado	340	10,977	.44	.40	8.21	109.6	24.07
Moffat	11	10,446	.33	.32	5.92	109.8	22.94
Routt	330	10,994	.45	.41	8.28	109.6	24.11
Public Service Co of NH Merrimack	**815**	**13,224**	**1.76**	**1.33**	**6.77**	**156.9**	**41.49**
Ohio	7	13,017	2.44	1.87	6.20	157.6	41.03
Unknown[2]	7	13,017	2.44	1.87	6.20	157.6	41.03
Pennsylvania	625	13,188	1.60	1.22	6.79	158.3	41.76
Greene	400	13,139	1.68	1.28	6.94	154.9	40.71
Washington	158	13,259	1.45	1.09	6.51	163.9	43.47
Westmoreland	67	13,318	1.51	1.13	6.57	165.0	43.96
West Virginia	184	13,351	2.25	1.69	6.71	152.0	40.58
Monongalia	184	13,351	2.25	1.69	6.71	152.0	40.58
Public Service Co of NH Schiller	**520**	**12,992**	**.70**	**.54**	**5.58**	**142.9**	**37.14**
Pennsylvania	13	13,064	1.88	1.44	7.30	155.6	40.65
Greene	13	13,064	1.88	1.44	7.30	155.6	40.65
Imported	507	12,990	.67	.52	5.53	142.6	37.05
Imported Coal	507	12,990	.67	.52	5.53	142.6	37.05
Public Service Co of NM San Juan	**6,623**	**9,303**	**.83**	**.89**	**25.83**	**173.8**	**32.33**
New Mexico	6,623	9,303	.83	.89	25.83	173.8	32.33
San Juan	6,623	9,303	.83	.89	25.83	173.8	32.33
Public Service Co of Oklahoma Northeastern	**3,716**	**8,643**	**.21**	**.24**	**4.59**	**118.0**	**20.40**
Wyoming	3,716	8,643	.21	.24	4.59	118.0	20.40
Campbell	3,716	8,643	.21	.24	4.59	118.0	20.40
Public Service Electric&Gas Co Hudson	**886**	**12,643**	**.88**	**.69**	**10.99**	**141.9**	**35.89**
Kentucky	151	12,864	.80	.62	8.92	146.3	37.64
Pike	151	12,864	.80	.62	8.92	146.3	37.64

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Public Service Electric&Gas Co Hudson							
West Virginia	736	12,597	0.89	0.71	11.42	141.0	35.53
Boone	376	12,762	.82	.64	9.74	145.3	37.09
Webster	360	12,425	.97	.78	13.17	136.4	33.89
Public Service Electric&Gas Co Mercer	**1,025**	**13,766**	**.71**	**.52**	**5.94**	**140.5**	**38.68**
Virginia	716	13,761	.71	.51	5.95	140.6	38.70
Buchanan	693	13,762	.71	.51	5.95	140.6	38.70
Russell	22	13,731	.74	.54	6.03	140.4	38.57
West Virginia	309	13,778	.72	.52	5.91	140.3	38.65
Mcdowell	42	13,756	.71	.51	5.98	140.3	38.60
Wyoming	268	13,782	.72	.52	5.89	140.3	38.66
Richmond City of Whitewater	**334**	**11,994**	**2.68**	**2.23**	**9.15**	**124.1**	**29.77**
Indiana	123	11,423	2.60	2.28	8.26	127.0	29.02
Daviess	118	11,426	2.62	2.29	8.22	126.8	28.97
Greene	5	11,355	2.17	1.91	9.15	132.9	30.18
Kentucky	83	12,459	2.47	1.99	8.46	122.8	30.60
Breathitt	6	11,120	2.11	1.90	14.81	125.9	28.00
Knott	76	12,573	2.51	1.99	7.92	122.6	30.83
West Virginia	128	12,244	2.88	2.36	10.47	122.3	29.96
Fayette	4	11,903	2.32	1.95	13.10	126.9	30.22
Marshall	91	12,303	2.99	2.43	9.90	123.6	30.42
Nicholas	32	12,124	2.67	2.20	11.72	118.1	28.63
Rochester Gas & Electric Corp Beebee 3	**25**	**12,616**	**1.89**	**1.50**	**10.77**	**155.8**	**39.31**
Pennsylvania	25	12,616	1.89	1.50	10.77	155.8	39.31
Westmoreland	25	12,616	1.89	1.50	10.77	155.8	39.31
Rochester Gas & Electric Corp Russell 7	**554**	**13,205**	**2.15**	**1.63**	**7.16**	**139.8**	**36.93**
Pennsylvania	181	13,059	2.04	1.56	7.27	141.4	36.93
Clarion	*	12,892	1.32	1.02	7.60	140.4	36.20
Elk	12	12,882	2.41	1.87	9.26	156.1	40.21
Greene	168	13,072	2.01	1.54	7.12	140.3	36.69
West Virginia	373	13,276	2.20	1.66	7.10	139.1	36.94
Marion	39	13,168	1.99	1.51	7.28	147.7	38.90
Monongalia	335	13,289	2.22	1.67	7.08	138.1	36.71
Rochester Public Utilities Silver Lake	**106**	**11,069**	**.88**	**.80**	**8.84**	**158.4**	**35.08**
Illinois	23	12,030	1.11	.92	6.90	162.5	39.10
Saline	23	12,030	1.11	.92	6.90	162.5	39.10
Indiana	83	10,791	.82	.76	9.40	157.3	33.94
Sullivan	83	10,791	.82	.76	9.40	157.3	33.94
Kentucky	*	13,500	1.00	.74	6.00	150.0	40.50
Perry	*	13,500	1.00	.74	6.00	150.0	40.50
Wyoming	*	8,800	.32	.36	5.00	92.0	16.19
Campbell	*	8,800	.32	.36	5.00	92.0	16.19
Salt River Proj Ag I & P Dist Coronado	**2,835**	**9,902**	**.43**	**.43**	**14.34**	**160.3**	**31.74**
New Mexico	2,773	9,925	.43	.43	14.56	161.0	31.96
Colfax	38	11,060	.59	.54	20.87	180.9	40.02
Mckinley	2,735	9,909	.43	.43	14.48	160.7	31.85
Wyoming	61	8,857	.18	.20	4.38	121.9	21.60
Campbell	61	8,857	.18	.20	4.38	121.9	21.60
Salt River Proj Ag I & P Dist Navajo	**8,129**	**10,941**	**.53**	**.48**	**9.44**	**116.7**	**25.54**
Arizona	8,129	10,941	.53	.48	9.44	116.7	25.54
Navajo	8,129	10,941	.53	.48	9.44	116.7	25.54
San Antonio City of JT Deely/Spruce	**6,879**	**8,470**	**.33**	**.39**	**5.73**	**96.2**	**16.29**
Wyoming	6,879	8,470	.33	.39	5.73	96.2	16.29
Campbell	6,849	8,468	.33	.39	5.74	96.2	16.29
Converse	30	8,858	.29	.33	5.25	97.4	17.25
San Miguel Electric Coop Inc San Miguel	**3,086**	**5,271**	**1.76**	**3.34**	**26.86**	**72.3**	**7.62**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
San Miguel Electric Coop Inc San Miguel							
Texas	3,086	5,271	1.76	3.34	26.86	72.3	7.62
Atascosa	2,322	5,275	1.76	3.34	26.83	72.3	7.63
McMullen	764	5,259	1.77	3.36	26.96	72.3	7.61
Savannah Electric & Power Inc Kraft	**444**	**12,542**	**.75**	**.60**	**7.21**	**139.6**	**35.01**
Kentucky	15	12,629	.74	.58	6.83	148.5	37.50
Bell	15	12,629	.74	.58	6.83	148.5	37.50
Imported	429	12,539	.75	.60	7.23	139.3	34.92
Imported Coal	429	12,539	.75	.60	7.23	139.3	34.92
Savannah Electric & Power Inc McIntosh	**348**	**11,384**	**.94**	**.83**	**16.40**	**145.9**	**33.22**
Kentucky	343	11,371	.94	.83	16.53	146.1	33.22
Perry	343	11,371	.94	.83	16.53	146.1	33.22
Imported	5	12,205	.87	.71	8.24	137.3	33.51
Imported Coal	5	12,205	.87	.71	8.24	137.3	33.51
Seminole Electric Coop Inc Seminole	**3,109**	**12,436**	**2.85**	**2.30**	**7.46**	**162.4**	**40.38**
Illinois	1,278	11,769	2.98	2.53	7.46	177.3	41.74
White	1,278	11,769	2.98	2.53	7.46	177.3	41.74
Kentucky	882	12,524	2.88	2.30	7.87	163.9	41.06
Webster	882	12,524	2.88	2.30	7.87	163.9	41.06
West Virginia	949	13,251	2.66	2.01	7.08	143.1	37.93
Harrison	465	13,112	3.14	2.39	7.53	143.7	37.68
Monongalia	484	13,384	2.20	1.64	6.64	142.6	38.17
Sierra Pacific Power Co North Valmy	**1,676**	**11,548**	**.41**	**.36**	**8.63**	**140.5**	**32.45**
Utah	1,676	11,548	.41	.36	8.63	140.5	32.45
Carbon	465	11,618	.49	.42	9.14	103.1	23.96
Emery	267	12,220	.49	.40	9.25	100.9	24.65
Sevier	944	11,324	.35	.31	8.20	171.5	38.83
Sikeston City of Sikeston	**1,006**	**8,750**	**.34**	**.39**	**5.55**	**100.5**	**17.59**
Wyoming	1,006	8,750	.34	.39	5.55	100.5	17.59
Campbell	1,006	8,750	.34	.39	5.55	100.5	17.59
South Carolina Electric&Gas Co Canadys	**439**	**12,802**	**1.31**	**1.02**	**8.85**	**148.6**	**38.06**
Kentucky	305	12,789	1.33	1.04	8.62	147.2	37.65
Harlan	17	12,807	1.12	.87	8.40	144.4	36.99
Knott	10	12,955	1.12	.86	7.60	139.2	36.07
Martin	23	12,670	1.33	1.05	9.85	160.3	40.62
Pike	256	12,792	1.36	1.06	8.56	146.5	37.49
Tennessee	33	13,043	1.29	.99	6.67	154.6	40.32
Claiborne	33	13,043	1.29	.99	6.67	154.6	40.32
Virginia	101	12,766	1.24	.97	10.27	151.0	38.56
Dickenson	45	12,722	1.11	.87	8.85	151.7	38.60
Wise	56	12,801	1.35	1.06	11.41	150.5	38.53
South Carolina Electric&Gas Co Cope	**1,034**	**12,555**	**1.13**	**.90**	**9.99**	**144.9**	**36.38**
Kentucky	951	12,544	1.13	.90	10.10	144.8	36.32
Breathitt	90	12,173	1.54	1.27	11.51	144.7	35.23
Knott	418	12,462	1.20	.96	10.82	143.4	35.75
Letcher	28	11,871	1.05	.88	14.06	132.9	31.56
Martin	65	12,544	1.09	.87	10.60	155.8	39.08
Perry	125	12,837	.76	.59	7.43	143.2	36.77
Pike	226	12,760	1.07	.84	9.08	146.3	37.35
Virginia	83	12,689	1.11	.88	8.71	145.9	37.03
Dickenson	75	12,682	1.07	.84	8.37	145.7	36.95
Wise	8	12,750	1.54	1.21	11.89	148.1	37.77
South Carolina Electric&Gas Co Mcmeekin	**686**	**12,923**	**1.23**	**.95**	**9.04**	**150.4**	**38.88**
Kentucky	115	12,585	1.26	1.00	10.20	149.5	37.62
Breathitt	8	12,159	1.65	1.36	11.40	151.1	36.74
Knott	9	13,039	1.23	.94	7.80	151.4	39.48
Perry	*	12,372	.78	.63	7.50	146.7	36.30
Pike	98	12,581	1.23	.98	10.31	149.2	37.53

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Electric&Gas Co Mcmeekin							
Tennessee	17	12,691	1.26	0.99	8.03	157.0	39.86
Claiborne	17	12,691	1.26	.99	8.03	157.0	39.86
Virginia	554	13,001	1.22	.94	8.83	150.4	39.12
Dickenson	554	13,001	1.22	.94	8.83	150.4	39.12
South Carolina Electric&Gas Co Urguhart	**622**	**12,957**	**1.23**	**.95**	**8.90**	**155.0**	**40.17**
Kentucky	285	12,902	1.19	.92	9.78	152.4	39.32
Clay	22	12,949	1.17	.90	10.80	160.0	41.44
Knott	30	13,073	1.24	.95	8.07	139.1	36.37
Martin	30	12,514	1.19	.95	10.44	154.2	38.60
Pike	204	12,929	1.18	.91	9.82	153.3	39.64
Tennessee	216	12,926	1.33	1.03	7.49	160.0	41.36
Claiborne	216	12,926	1.33	1.03	7.49	160.0	41.36
Virginia	112	13,157	1.18	.89	9.44	153.5	40.38
Dickenson	71	13,306	1.05	.79	8.66	154.9	41.22
Wise	41	12,896	1.40	1.09	10.79	150.9	38.93
West Virginia	9	12,957	.84	.65	8.70	137.1	35.53
Boone	9	12,957	.84	.65	8.70	137.1	35.53
South Carolina Electric&Gas Co Wateree	**1,707**	**12,545**	**1.24**	**.99**	**10.37**	**147.7**	**37.06**
Kentucky	1,238	12,436	1.24	1.00	10.84	147.3	36.63
Bell	10	12,543	1.90	1.51	8.80	136.2	34.17
Breathitt	63	12,188	1.64	1.34	10.12	145.8	35.54
Harlan	51	12,574	.96	.77	9.92	147.4	37.08
Knott	329	12,209	1.41	1.15	11.99	144.6	35.32
Letcher	18	12,363	1.12	.91	12.09	133.4	32.98
Martin	185	12,178	1.30	1.07	10.81	149.2	36.34
Perry	41	12,761	.81	.63	8.50	149.7	38.20
Pike	542	12,653	1.13	.89	10.49	148.8	37.65
Tennessee	201	12,777	1.42	1.11	7.98	151.6	38.73
Claiborne	201	12,777	1.42	1.11	7.98	151.6	38.73
Virginia	138	12,798	1.27	.99	10.70	148.2	37.94
Dickenson	50	12,855	1.08	.84	9.29	147.2	37.84
Wise	88	12,766	1.37	1.07	11.50	148.8	37.99
West Virginia	130	12,956	.89	.68	9.32	145.6	37.72
Boone	130	12,956	.89	.68	9.32	145.6	37.72
South Carolina Electric&Gas Co Williams	**1,590**	**12,845**	**.76**	**.59**	**7.93**	**150.6**	**38.69**
Kentucky	1,590	12,845	.76	.59	7.93	150.6	38.69
Knott	450	12,770	.82	.64	8.15	150.0	38.31
Perry	382	12,817	.76	.59	8.01	150.6	38.62
Pike	758	12,903	.72	.56	7.76	150.9	38.94
South Carolina Pub Serv Auth Cross	**2,686**	**12,824**	**1.11**	**.87**	**8.23**	**133.3**	**34.19**
Kentucky	2,686	12,824	1.11	.87	8.23	133.3	34.19
Harlan	998	12,816	1.06	.83	8.06	133.2	34.13
Knott	21	12,784	1.45	1.13	8.71	128.1	32.76
Letcher	107	12,708	1.25	.98	9.68	127.6	32.44
Pike	1,561	12,838	1.14	.88	8.23	133.9	34.37
South Carolina Pub Serv Auth Grainger	**299**	**12,898**	**1.57**	**1.22**	**7.46**	**150.7**	**38.87**
Kentucky	299	12,898	1.57	1.22	7.46	150.7	38.87
Harlan	64	12,641	1.40	1.10	8.47	147.9	37.40
Letcher	180	12,935	1.70	1.32	6.99	151.2	39.11
Pike	55	13,076	1.33	1.02	7.83	152.2	39.80
South Carolina Pub Serv Auth Jefferies	**698**	**13,044**	**1.52**	**1.16**	**8.11**	**132.7**	**34.62**
Kentucky	688	13,040	1.51	1.16	8.09	132.8	34.63
Clay	10	12,676	1.69	1.33	10.80	127.7	32.37
Harlan	51	12,519	1.37	1.10	9.39	133.0	33.31
Knott	79	12,672	1.58	1.25	9.77	130.4	33.06
Letcher	335	13,259	1.72	1.29	6.70	132.3	35.09
Pike	213	12,974	1.20	.92	9.24	134.5	34.91
Virginia	10	13,300	1.72	1.29	9.20	128.0	34.05
Dickenson	10	13,300	1.72	1.29	9.20	128.0	34.05
South Carolina Pub Serv Auth Winyah	**2,343**	**12,909**	**1.17**	**.90**	**8.48**	**133.0**	**34.33**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Pub Serv Auth Winyah							
Kentucky	2,343	12,909	1.17	0.90	8.48	133.0	34.33
Harlan	635	12,812	1.11	.86	8.36	132.8	34.03
Knott	68	12,583	1.40	1.11	10.01	129.7	32.64
Letcher	338	13,275	1.50	1.13	6.60	131.9	35.03
Pike	1,302	12,879	1.10	.85	8.95	133.5	34.38
South Mississippi El Pwr Assn R D Morrow	**1,038**	**12,381**	**.88**	**.71**	**9.69**	**189.5**	**46.93**
Kentucky	1,038	12,381	.88	.71	9.69	189.5	46.93
Leslie	1,038	12,381	.88	.71	9.69	189.5	46.93
Southern California Edison Co Mohave	**4,493**	**10,981**	**.49**	**.44**	**9.79**	**130.5**	**28.65**
Arizona	4,493	10,981	.49	.44	9.79	130.5	28.65
Navajo	4,493	10,981	.49	.44	9.79	130.5	28.65
Southern Illinois Power Coop Marion	**775**	**10,708**	**2.82**	**2.64**	**16.83**	**94.6**	**20.25**
Illinois	770	10,721	2.84	2.65	16.88	94.5	20.26
Gallatin	73	9,780	2.55	2.61	20.48	69.8	13.65
Jefferson	36	8,418	1.65	1.96	22.15	52.1	8.76
Perry	196	11,210	2.61	2.33	11.34	110.6	24.80
Saline	247	11,756	3.67	3.12	17.14	105.8	24.87
Williamson	218	9,806	2.39	2.44	19.49	76.8	15.06
Wyoming	5	8,580	.54	.63	8.64	108.2	18.58
Campbell	5	8,580	.54	.63	8.64	108.2	18.58
Southern Indiana Gas & Elec Co A B Brown	**1,322**	**11,496**	**3.70**	**3.21**	**8.27**	**99.0**	**22.75**
Illinois	90	11,670	1.43	1.23	6.78	126.9	29.61
Wabash	90	11,670	1.43	1.23	6.78	126.9	29.61
Indiana	1,231	11,484	3.86	3.36	8.38	96.9	22.25
Pike	1,231	11,484	3.86	3.36	8.38	96.9	22.25
Southern Indiana Gas & Elec Co Culley	**1,199**	**11,655**	**4.01**	**3.44**	**9.80**	**93.9**	**21.89**
Indiana	1,066	11,483	4.33	3.77	10.11	89.7	20.60
Warrick	1,066	11,483	4.33	3.77	10.11	89.7	20.60
Kentucky	2	11,403	.96	.84	7.10	115.0	26.23
Ohio	2	11,403	.96	.84	7.10	115.0	26.23
Pennsylvania	132	13,056	1.52	1.16	7.34	123.7	32.30
Greene	132	13,056	1.52	1.16	7.34	123.7	32.30
Southern Indiana Gas & Elec Co Warrick	**262**	**11,047**	**2.66**	**2.41**	**9.95**	**94.9**	**20.96**
Indiana	262	11,047	2.66	2.41	9.95	94.9	20.96
Gibson	262	11,047	2.66	2.41	9.95	94.9	20.96
Southwestern Electric Power Co Flint Creek	**2,328**	**8,573**	**.27**	**.31**	**4.51**	**141.5**	**24.25**
Wyoming	2,328	8,573	.27	.31	4.51	141.5	24.25
Campbell	2,328	8,573	.27	.31	4.51	141.5	24.25
Southwestern Electric Power Co Pirkey	**3,627**	**6,583**	**1.17**	**1.78**	**14.34**	**110.2**	**14.51**
Texas	3,627	6,583	1.17	1.78	14.34	110.2	14.51
Harrison	3,627	6,583	1.17	1.78	14.34	110.2	14.51
Southwestern Electric Power Co Welsh Station	**6,893**	**8,494**	**.30**	**.36**	**4.67**	**154.1**	**26.18**
Wyoming	6,893	8,494	.30	.36	4.67	154.1	26.18
Campbell	6,893	8,494	.30	.36	4.67	154.1	26.18
Southwestern Public Service Co Harrington	**4,403**	**8,910**	**.35**	**.39**	**5.41**	**118.6**	**21.14**
Wyoming	4,403	8,910	.35	.39	5.41	118.6	21.14
Campbell	4,403	8,910	.35	.39	5.41	118.6	21.14
Southwestern Public Service Co Tolk	**4,557**	**8,682**	**.33**	**.39**	**5.33**	**172.0**	**29.87**
Wyoming	4,557	8,682	.33	.39	5.33	172.0	29.87
Campbell	4,557	8,682	.33	.39	5.33	172.0	29.87
Springfield City of (MO) James River	**950**	**9,373**	**.33**	**.35**	**4.60**	**112.6**	**21.10**
Illinois	140	12,052	1.17	.97	6.47	150.5	36.27
Jefferson	140	12,052	1.17	.97	6.47	150.5	36.27

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Springfield City of (MO) James River							
Wyoming	810	8,910	0.19	0.21	4.27	103.7	18.48
Campbell	810	8,910	.19	.21	4.27	103.7	18.48
Springfield City of (MO) Southwest	**807**	**8,914**	**.18**	**.21**	**4.32**	**100.8**	**17.97**
Wyoming	807	8,914	.18	.21	4.32	100.8	17.97
Campbell	807	8,914	.18	.21	4.32	100.8	17.97
Springfield City of (IL) Dallman	**1,013**	**10,458**	**3.01**	**2.88**	**9.32**	**110.4**	**23.10**
Illinois	1,013	10,458	3.01	2.88	9.32	110.4	23.10
Logan	961	10,467	3.12	2.98	9.40	109.4	22.90
Macoupin	52	10,301	1.07	1.04	7.78	129.7	26.72
Springfield City of (IL) Lakeside	**97**	**10,476**	**3.12**	**2.98**	**9.44**	**109.2**	**22.87**
Illinois	97	10,476	3.12	2.98	9.44	109.2	22.87
Logan	97	10,476	3.12	2.98	9.44	109.2	22.87
St Joseph Light and Power Co Lakeroad	**457**	**9,606**	**.30**	**.31**	**5.49**	**94.4**	**18.13**
Wyoming	457	9,606	.30	.31	5.49	94.4	18.13
Campbell	19	8,720	.26	.30	5.19	75.8	13.21
Carbon	159	11,108	.40	.36	5.85	113.7	25.26
Converse	279	8,813	.25	.28	5.31	81.7	14.41
Sunflower Electric Power Corp Holcomb Unit # 1	**1,561**	**8,465**	**.31**	**.37**	**5.39**	**106.1**	**17.96**
Wyoming	1,561	8,465	.31	.37	5.39	106.1	17.96
Campbell	1,561	8,465	.31	.37	5.39	106.1	17.96
Tampa Electric Co Davant Transfer[4]	**6,260**	**11,601**	**2.04**	**1.76**	**7.62**	**142.0**	**32.96**
Illinois	4,034	12,060	2.31	1.92	8.46	149.1	35.96
Franklin	73	12,137	1.23	1.01	6.40	134.5	32.65
Gallatin	1,024	12,688	2.69	2.12	9.04	128.0	32.47
Perry	1,047	10,987	3.04	2.76	9.41	204.8	45.00
Saline	1,889	12,311	1.75	1.42	7.71	133.9	32.97
Kentucky	930	11,606	2.82	2.43	8.31	124.1	28.80
Henderson	61	11,150	2.51	2.25	8.22	128.8	28.72
Union	869	11,638	2.84	2.44	8.31	123.7	28.80
West Virginia	327	13,242	2.02	1.52	7.73	128.9	34.14
Monongalia	327	13,242	2.02	1.52	7.73	128.9	34.14
Wyoming	430	8,802	.20	.22	4.47	126.4	22.25
Campbell	430	8,802	.20	.22	4.47	126.4	22.25
Imported	539	9,400	.14	.14	2.61	135.4	25.46
Imported Coal	539	9,400	.14	.14	2.61	135.4	25.46
Tampa Electric Co Gannon	**471**	**12,647**	**1.17**	**.93**	**7.97**	**253.7**	**64.18**
Kentucky	471	12,647	1.17	.93	7.97	253.7	64.18
Pike	256	12,748	1.34	1.05	8.12	253.6	64.65
Whitley	215	12,527	.98	.78	7.80	253.9	63.61
Tennessee Valley Authority Bull Run[5]	**1,776**	**12,534**	**1.25**	**1.00**	**9.89**	**115.5**	**28.96**
Kentucky	1,776	12,534	1.25	1.00	9.89	115.5	28.96
Bell	61	12,568	1.50	1.19	9.80	121.2	30.47
Harlan	366	12,857	1.21	.94	8.37	115.6	29.73
Leslie	1,349	12,445	1.26	1.01	10.30	115.2	28.68
Tennessee Valley Authority Cahokia Transfer[5]	**30**	**11,383**	**.40**	**.35**	**9.21**	**112.4**	**25.58**
Colorado	30	11,383	.40	.35	9.21	112.4	25.58
Gunnison	10	11,750	.40	.34	9.30	118.8	27.92
Routt	20	11,200	.40	.36	9.16	109.0	24.42
Tennessee Valley Authority Colbert[5]	**1,036**	**12,151**	**2.03**	**1.67**	**11.53**	**107.4**	**26.10**
Kentucky	1,036	12,151	2.03	1.67	11.53	107.4	26.10
Floyd	10	11,964	.95	.79	12.37	124.2	29.71
Webster	1,026	12,153	2.04	1.68	11.52	107.3	26.07
Tennessee Valley Authority Cora Transfer[5]	**2,407**	**10,578**	**.48**	**.45**	**6.95**	**108.5**	**22.96**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Cora Transfer[5]							
Colorado	21	10,572	0.48	0.45	15.10	109.1	23.06
Gunnison	21	10,572	.48	.45	15.10	109.1	23.06
Illinois	69	10,760	2.33	2.16	9.67	67.9	14.61
Franklin	60	10,600	2.50	2.36	10.00	59.0	12.50
Jefferson	9	11,800	1.20	1.02	7.50	119.7	28.25
Utah	1,174	12,349	.51	.41	8.01	123.9	30.61
Carbon	964	12,351	.51	.41	7.76	125.0	30.88
Emery	198	12,346	.51	.42	9.10	119.3	29.45
Sevier	11	12,297	.66	.54	9.77	113.2	27.85
Wyoming	1,143	8,747	.33	.38	5.55	89.2	15.60
Campbell	945	8,734	.34	.39	5.54	88.7	15.49
Converse	197	8,809	.26	.30	5.58	91.4	16.10
Tennessee Valley Authority Cumberland[5]	**7,165**	**11,745**	**2.82**	**2.40**	**9.22**	**109.0**	**25.61**
Illinois	212	12,537	2.58	2.06	9.90	107.6	26.98
Gallatin	212	12,537	2.58	2.06	9.90	107.6	26.98
Kentucky	6,111	11,514	2.90	2.52	9.39	109.3	25.17
Union	6,100	11,513	2.90	2.52	9.39	109.3	25.17
Webster	11	12,200	2.60	2.13	12.00	99.2	24.20
Pennsylvania	842	13,226	2.32	1.75	7.75	107.5	28.44
Greene	842	13,226	2.32	1.75	7.75	107.5	28.44
Tennessee Valley Authority Gallatin[5]	**88**	**12,756**	**2.52**	**1.98**	**8.28**	**112.6**	**28.73**
Illinois	88	12,756	2.52	1.98	8.28	112.6	28.73
Gallatin	88	12,756	2.52	1.98	8.28	112.6	28.73
Tennessee Valley Authority GRT Terminal[5]	**8,537**	**10,889**	**1.00**	**.92**	**8.00**	**107.9**	**23.51**
Colorado	2,763	11,466	.48	.42	9.39	121.4	27.83
Delta	303	12,027	.46	.38	7.74	117.2	28.19
Gunnison	732	11,653	.49	.42	9.30	123.5	28.78
Routt	1,729	11,289	.48	.43	9.72	121.2	27.37
Illinois	902	12,382	2.01	1.62	7.99	105.9	26.23
Gallatin	552	12,689	2.32	1.82	8.05	102.7	26.06
Jefferson	138	11,802	1.12	.95	7.13	119.5	28.22
Saline	211	11,960	1.80	1.50	8.40	106.1	25.37
Kentucky	2,030	12,257	2.14	1.74	9.69	102.9	25.22
Hopkins	137	11,498	1.78	1.55	10.12	98.7	22.69
Webster	1,893	12,312	2.16	1.76	9.66	103.2	25.40
Pennsylvania	57	13,044	2.47	1.89	7.90	109.7	28.61
Greene	57	13,044	2.47	1.89	7.90	109.7	28.61
Utah	34	12,132	.65	.53	9.45	126.9	30.79
Carbon	22	12,149	.66	.54	8.75	128.9	31.33
Emery	11	12,098	.63	.52	10.85	122.8	29.72
Wyoming	2,751	8,751	.31	.36	5.35	96.1	16.81
Campbell	2,035	8,725	.34	.39	5.36	96.2	16.78
Converse	717	8,824	.24	.27	5.29	95.7	16.89
Tennessee Valley Authority Johnsonville[5]	**1,371**	**12,356**	**1.76**	**1.43**	**7.35**	**104.3**	**25.77**
Illinois	1,371	12,356	1.76	1.43	7.35	104.3	25.77
Gallatin	57	12,381	1.74	1.41	7.01	101.3	25.08
Saline	1,314	12,355	1.76	1.43	7.36	104.4	25.80
Tennessee Valley Authority Kingston[5]	**4,103**	**12,410**	**1.35**	**1.08**	**10.21**	**125.5**	**31.15**
Kentucky	2,605	12,417	1.44	1.16	10.09	127.1	31.55
Bell	1,619	12,523	1.48	1.18	9.31	125.9	31.54
Harlan	97	12,663	1.28	1.01	9.86	124.1	31.44
Knott	765	12,203	1.34	1.10	11.60	130.3	31.79
Leslie	91	12,000	1.80	1.50	12.00	127.4	30.58
Perry	34	12,610	1.33	1.05	8.58	118.5	29.89
Tennessee	1,088	12,389	1.24	1.00	10.74	119.0	29.49
Anderson	367	12,341	1.30	1.06	9.64	114.8	28.34
Cumberland	258	12,563	.94	.75	11.06	116.9	29.38
Morgan	5	12,799	1.56	1.22	9.10	117.4	30.06
Scott	458	12,326	1.35	1.10	11.47	123.6	30.46

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Kingston[5]							
Virginia	368	12,841	1.13	0.88	10.06	131.8	33.85
Lee	83	12,508	.91	.73	9.31	137.0	34.27
Wise	285	12,938	1.20	.93	10.27	130.4	33.73
Wyoming	42	8,761	.34	.39	5.40	144.2	25.26
Campbell	42	8,761	.34	.39	5.40	144.2	25.26
Tennessee Valley Authority Paradise[5]	**6,456**	**10,643**	**4.32**	**4.06**	**19.07**	**95.0**	**20.23**
Kentucky	6,456	10,643	4.32	4.06	19.07	95.0	20.23
Christian	1,062	10,481	4.33	4.13	16.66	94.7	19.85
Hopkins	1,115	10,529	3.48	3.31	17.43	95.0	20.00
Muhlenberg	2,377	10,005	5.32	5.31	24.56	91.9	18.40
Union	55	11,425	2.87	2.51	9.10	104.3	23.84
Webster	1,847	11,603	3.57	3.08	14.68	98.4	22.83
Tennessee Valley Authority Sevier[5]	**2,090**	**12,716**	**1.56**	**1.23**	**10.34**	**128.6**	**32.71**
Kentucky	295	12,628	1.15	.91	11.26	125.3	31.63
Bell	27	12,517	2.11	1.68	9.94	112.0	28.03
Harlan	267	12,640	1.06	.84	11.40	126.6	32.00
Virginia	1,796	12,730	1.63	1.28	10.19	129.2	32.89
Lee	855	12,680	1.49	1.17	8.99	135.6	34.38
Wise	941	12,775	1.76	1.38	11.29	123.4	31.54
Tennessee Valley Authority Shawnee[5]	**3,788**	**11,423**	**.58**	**.51**	**8.10**	**127.3**	**29.08**
Colorado	3,088	11,800	.47	.40	8.34	132.1	31.18
Delta	849	12,083	.41	.34	6.91	132.8	32.08
Gunnison	2,239	11,693	.49	.42	8.88	131.9	30.84
Illinois	236	11,787	2.51	2.13	10.22	101.0	23.81
Saline	236	11,787	2.51	2.13	10.22	101.0	23.81
Wyoming	465	8,736	.34	.39	5.44	101.7	17.76
Campbell	450	8,735	.34	.39	5.42	101.8	17.79
Converse	14	8,765	.34	.39	5.89	96.7	16.95
Tennessee Valley Authority Widows Creek[5]	**3,175**	**12,168**	**2.51**	**2.07**	**10.28**	**116.3**	**28.30**
Illinois	1,222	12,263	2.92	2.38	8.63	112.0	27.48
Gallatin	624	12,609	2.89	2.29	9.65	110.0	27.73
White	598	11,901	2.96	2.48	7.58	114.3	27.21
Kentucky	961	11,906	2.74	2.30	10.24	113.1	26.93
Hopkins	603	11,634	3.24	2.78	10.83	106.9	24.88
Perry	185	12,627	.79	.62	9.13	132.1	33.36
Pike	18	11,800	.83	.70	13.00	131.0	30.92
Union	155	12,118	3.36	2.77	8.95	110.4	26.75
Pennsylvania	59	13,228	2.59	1.96	7.64	112.7	29.82
Greene	59	13,228	2.59	1.96	7.64	112.7	29.82
Tennessee	429	12,400	.89	.72	14.50	136.9	33.96
Sequatchie	429	12,400	.89	.72	14.50	136.9	33.96
Virginia	61	12,540	.82	.65	9.21	138.3	34.70
Wise	61	12,540	.82	.65	9.21	138.3	34.70
West Virginia	443	12,057	2.70	2.24	11.30	111.8	26.97
Boone	19	11,734	.78	.66	12.62	116.5	27.33
Mingo	126	11,710	.77	.66	12.62	116.8	27.35
Monongalia	299	12,224	3.63	2.97	10.65	109.5	26.78
Texas Municipal Power Agency Gibbons Creek	**1,920**	**8,430**	**.33**	**.39**	**5.62**	**120.2**	**20.26**
Wyoming	1,920	8,430	.33	.39	5.62	120.2	20.26
Campbell	1,920	8,430	.33	.39	5.62	120.2	20.26
Texas-New Mexico Power Co TNP 1	**1,640**	**6,771**	**.91**	**1.34**	**18.14**	**143.3**	**19.41**
Texas	1,640	6,771	.91	1.34	18.14	143.3	19.41
Robertson	1,640	6,771	.91	1.34	18.14	143.3	19.41
Texas Utilities Electric Co Big Brown	**4,972**	**6,407**	**.74**	**1.15**	**15.39**	**111.5**	**14.28**
Texas	4,972	6,407	.74	1.15	15.39	111.5	14.28
Freestone	4,972	6,407	.74	1.15	15.39	111.5	14.28
Texas Utilities Electric Co Martin Lake	**14,133**	**6,517**	**1.05**	**1.61**	**13.36**	**81.2**	**10.58**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Texas Utilities Electric Co Martin Lake							
Texas	14,006	6,501	1.05	1.62	13.43	80.7	10.50
Panola	14,006	6,501	1.05	1.62	13.43	80.7	10.50
Wyoming	127	8,325	.39	.47	5.09	122.7	20.43
Campbell	127	8,325	.39	.47	5.09	122.7	20.43
Texas Utilities Electric Co Monticello	**11,628**	**6,263**	**.47**	**.75**	**16.75**	**115.1**	**14.42**
Texas	9,661	5,834	.50	.85	19.03	117.6	13.72
Titus	9,661	5,834	.50	.85	19.03	117.6	13.72
Wyoming	1,967	8,372	.32	.38	5.55	106.5	17.84
Campbell	1,967	8,372	.32	.38	5.55	106.5	17.84
Texas Utilities Electric Co Sandow No 4[6]	**3,821**	**6,892**	**1.15**	**1.67**	**16.53**	**103.0**	**14.20**
Texas	3,821	6,892	1.15	1.67	16.53	103.0	14.20
Milam	3,821	6,892	1.15	1.67	16.53	103.0	14.20
Toledo Edison Co Bay Shore	**1,862**	**8,878**	**.26**	**.29**	**5.21**	**116.7**	**20.73**
Kentucky	22	13,259	.50	.38	6.56	132.5	35.13
Pike	22	13,259	.50	.38	6.56	132.5	35.13
West Virginia	24	12,200	.90	.74	12.50	127.4	31.09
Logan	24	12,200	.90	.74	12.50	127.4	31.09
Wyoming	1,816	8,782	.25	.28	5.10	116.3	20.42
Campbell	1,360	8,782	.24	.28	5.03	115.8	20.34
Converse	456	8,782	.27	.31	5.31	117.6	20.65
Tri-State G & T Assn, Inc. Craig	**4,655**	**10,216**	**.41**	**.40**	**6.35**	**106.0**	**21.65**
Colorado	4,655	10,216	.41	.40	6.35	106.0	21.65
Moffat	4,522	10,184	.41	.40	6.25	107.6	21.92
Routt	133	11,292	.49	.43	9.85	55.8	12.61
Tri-State G & T Assn, Inc. Nucla	**359**	**10,786**	**.84**	**.78**	**19.80**	**109.7**	**23.66**
Colorado	359	10,786	.84	.78	19.80	109.7	23.66
Montrose	359	10,786	.84	.78	19.80	109.7	23.66
Tucson Electric Power Co Irvington	**290**	**11,239**	**.47**	**.42**	**9.82**	**209.3**	**47.04**
Colorado	270	11,316	.47	.42	9.64	204.7	46.33
Routt	270	11,316	.47	.42	9.64	204.7	46.33
New Mexico	20	10,195	.41	.40	12.14	278.3	56.75
Mckinley	20	10,195	.41	.40	12.14	278.3	56.75
Tucson Electric Power Co Springerville	**3,232**	**9,273**	**.85**	**.92**	**16.96**	**143.3**	**26.58**
New Mexico	3,232	9,273	.85	.92	16.96	143.3	26.58
Mckinley	3,232	9,273	.85	.92	16.96	143.3	26.58
Union Electric Co Labadie	**8,423**	**8,755**	**.24**	**.27**	**4.94**	**93.1**	**16.31**
Wyoming	8,423	8,755	.24	.27	4.94	93.1	16.31
Campbell	5,627	8,732	.25	.28	4.76	94.3	16.47
Converse	2,796	8,800	.22	.25	5.30	90.8	15.98
Union Electric Co Meramec	**1,958**	**9,562**	**.51**	**.53**	**5.11**	**123.0**	**23.52**
Illinois	521	11,757	1.29	1.10	6.80	141.6	33.30
Jackson	6	11,200	2.80	2.50	11.00	131.5	29.46
Jefferson	109	12,000	1.20	1.00	5.10	127.9	30.70
Saline	406	11,700	1.29	1.10	7.20	145.6	34.06
Wyoming	1,437	8,766	.23	.26	4.50	113.9	19.97
Campbell	1,437	8,766	.23	.26	4.50	113.9	19.97
Union Electric Co Rush Island	**4,955**	**8,480**	**.31**	**.37**	**5.29**	**88.2**	**14.97**
Wyoming	4,955	8,480	.31	.37	5.29	88.2	14.97
Campbell	4,528	8,450	.32	.38	5.28	88.3	14.93
Converse	427	8,800	.22	.25	5.30	87.2	15.34
Union Electric Co Sioux	**2,453**	**9,737**	**.90**	**.92**	**5.90**	**107.3**	**20.90**
Illinois	768	11,773	2.27	1.93	7.60	135.7	31.96
Jefferson	325	11,872	1.22	1.03	6.38	138.1	32.79
White	443	11,700	3.05	2.61	8.50	134.0	31.35

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Union Electric Co Sioux							
Wyoming	1,685	8,809	0.27	0.30	5.13	90.0	15.86
Campbell	837	8,817	.32	.36	4.96	94.2	16.62
Converse	848	8,800	.22	.25	5.30	85.8	15.10
United Illuminating Co Bridgeport Harbor	**35**	**13,541**	**.61**	**.45**	**4.85**	**169.3**	**45.85**
Imported	35	13,541	.61	.45	4.85	169.3	45.85
Imported Coal	35	13,541	.61	.45	4.85	169.3	45.85
United Power Assn Stanton	**1,062**	**6,703**	**.67**	**.99**	**9.83**	**69.7**	**9.35**
North Dakota	1,062	6,703	.67	.99	9.83	69.7	9.35
Mercer	1,062	6,703	.67	.99	9.83	69.7	9.35
UtiliCorp United Inc Sibley	**1,395**	**9,623**	**.38**	**.39**	**5.63**	**89.1**	**17.15**
Utah	88	12,076	.43	.36	7.97	113.5	27.41
Emery	45	12,504	.52	.42	8.39	107.0	26.76
Sevier	43	11,629	.33	.29	7.52	120.8	28.09
Wyoming	1,307	9,458	.37	.40	5.48	87.0	16.46
Campbell	794	8,828	.19	.22	4.59	73.5	12.98
Carbon	513	10,434	.66	.63	6.85	104.7	21.85
Vineland City of H M Down	**7**	**12,842**	**.78**	**.61**	**6.21**	**193.0**	**49.58**
West Virginia	2	12,842	.78	.61	6.21	193.1	49.60
Nicholas	2	12,842	.78	.61	6.21	193.1	49.60
Imported	5	12,842	.78	.61	6.21	193.0	49.57
Imported Coal	5	12,842	.78	.61	6.21	193.0	49.57
Virginia Electric & Power Co Bremo Bluff	**545**	**12,531**	**1.79**	**1.43**	**9.31**	**141.2**	**35.39**
Kentucky	93	12,561	2.45	1.95	9.07	141.2	35.47
Letcher	46	12,800	2.34	1.83	8.12	140.2	35.88
Pike	47	12,325	2.56	2.08	10.01	142.2	35.06
Virginia	12	13,200	1.66	1.26	6.48	141.9	37.47
Dickenson	12	13,200	1.66	1.26	6.48	141.9	37.47
West Virginia	440	12,507	1.65	1.32	9.44	141.2	35.31
Boone	180	12,881	1.02	.79	7.99	141.8	36.52
Clay	19	12,250	1.30	1.06	10.60	140.1	34.32
Logan	93	12,056	1.77	1.47	10.99	138.4	33.38
Nicholas	147	12,366	2.39	1.93	10.09	142.3	35.19
Virginia Electric & Power Co Chesapeake Energy	**1,681**	**12,912**	**1.28**	**.99**	**8.35**	**138.3**	**35.71**
Kentucky	43	13,397	.72	.54	5.37	129.2	34.63
Lee	43	13,397	.72	.54	5.37	129.2	34.63
Tennessee	7	12,500	1.52	1.22	9.60	140.8	35.20
Claiborne	7	12,500	1.52	1.22	9.60	140.8	35.20
Virginia	1,631	12,901	1.30	1.00	8.43	138.5	35.74
Buchanan	221	12,592	1.08	.86	9.61	137.1	34.53
Lee	37	13,000	1.22	.94	6.43	143.1	37.22
Russell	14	12,700	2.40	1.89	8.70	138.0	35.05
Tazewell	15	13,200	.99	.75	7.60	145.2	38.33
Wise	1,343	12,948	1.32	1.02	8.29	138.5	35.87
Virginia Electric & Power Co Clover	**2,502**	**12,691**	**1.05**	**.83**	**9.30**	**118.6**	**30.11**
Kentucky	53	12,451	1.18	.95	10.03	125.9	31.36
Martin	12	12,000	1.37	1.14	9.60	123.4	29.62
Pike	42	12,580	1.13	.90	10.15	126.6	31.86
Virginia	2,449	12,696	1.05	.83	9.29	118.5	30.09
Buchanan	28	12,500	.82	.66	9.60	126.8	31.70
Lee	87	13,008	.97	.74	8.54	122.5	31.86
Wise	2,334	12,687	1.06	.83	9.31	118.2	30.00
Virginia Electric & Power Co Chesterfield	**2,744**	**12,709**	**1.70**	**1.34**	**8.22**	**140.3**	**35.66**
Kentucky	1,839	12,741	1.87	1.47	7.98	140.4	35.78
Floyd	30	12,611	1.03	.82	8.90	140.6	35.46
Harlan	32	12,661	1.43	1.13	9.40	139.6	35.36
Knott	204	12,479	2.22	1.78	9.12	138.9	34.66
Letcher	914	12,976	1.77	1.37	7.05	140.9	36.57
Magoffin	11	12,000	2.00	1.67	10.00	136.3	32.71
Pike	649	12,516	1.96	1.56	8.78	140.2	35.10

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Virginia Electric & Power Co Chesterfield							
Pennsylvania	51	13,150	3.04	2.31	5.50	139.4	36.66
Greene	51	13,150	3.04	2.31	5.50	139.4	36.66
Virginia	99	12,694	2.07	1.63	9.10	146.4	37.17
Buchanan	72	12,541	2.27	1.81	9.53	146.7	36.79
Dickenson	27	13,099	1.53	1.17	7.93	145.8	38.19
West Virginia	754	12,602	1.14	.91	8.90	139.3	35.10
Boone	441	12,864	1.03	.80	7.83	139.9	35.99
Clay	30	12,300	1.30	1.06	10.33	139.3	34.26
Logan	163	12,062	1.40	1.16	10.95	137.4	33.14
Nicholas	121	12,451	1.17	.94	9.65	139.5	34.75
Virginia Electric & Power Co Mount Storm	**4,238**	**12,345**	**1.78**	**1.44**	**14.83**	**112.2**	**27.71**
Maryland	2,642	12,322	1.80	1.46	15.44	107.9	26.60
Allegany	47	11,706	1.63	1.39	17.74	117.2	27.44
Garrett	2,595	12,333	1.81	1.47	15.40	107.8	26.58
Pennsylvania	351	12,544	1.69	1.34	13.52	118.8	29.80
Somerset	351	12,544	1.69	1.34	13.52	118.8	29.80
West Virginia	1,246	12,337	1.74	1.41	13.91	119.5	29.49
Grant	1,147	12,336	1.74	1.41	13.82	119.8	29.55
Preston	5	12,970	1.30	1.00	9.00	115.0	29.83
Upshur	94	12,313	1.80	1.46	15.35	116.3	28.64
Virginia Electric & Power Co North Branch	**146**	**10,280**	**3.61**	**3.52**	**27.06**	**87.5**	**18.00**
Maryland	146	10,280	3.61	3.52	27.06	87.5	18.00
Garrett	146	10,280	3.61	3.52	27.06	87.5	18.00
Virginia Electric & Power Co Possum Point	**910**	**12,528**	**1.68**	**1.34**	**9.32**	**141.9**	**35.55**
Kentucky	414	12,655	1.72	1.36	8.89	142.2	35.98
Floyd	12	12,674	1.07	.84	8.90	135.6	34.37
Harlan	57	12,968	.90	.70	8.04	143.3	37.17
Knott	33	12,504	2.32	1.86	9.50	143.8	35.96
Letcher	128	12,649	2.22	1.76	9.09	141.2	35.72
Pike	184	12,588	1.56	1.24	8.91	142.6	35.90
Virginia	62	12,852	1.44	1.12	8.96	144.1	37.04
Buchanan	27	12,652	1.82	1.44	9.45	148.6	37.61
Wise	36	13,000	1.17	.90	8.60	140.8	36.61
West Virginia	433	12,361	1.68	1.36	9.78	141.3	34.92
Boone	131	12,855	1.39	1.08	8.07	145.5	37.41
Logan	253	12,098	1.79	1.48	10.71	138.6	33.54
Nicholas	50	12,397	1.86	1.50	9.53	142.8	35.40
Virginia Electric & Power Co Yorktown	**847**	**12,785**	**1.93**	**1.51**	**8.22**	**140.3**	**35.86**
Kentucky	428	12,663	1.85	1.46	8.09	140.3	35.54
Breathitt	54	12,322	1.90	1.54	9.92	133.2	32.83
Knott	84	12,272	1.92	1.56	10.06	138.0	33.87
Letcher	205	13,115	1.61	1.23	6.04	143.9	37.74
Magoffin	12	12,000	2.00	1.67	10.00	136.2	32.69
Pike	73	12,200	2.36	1.93	9.90	138.3	33.75
Pennsylvania	217	13,164	2.39	1.81	6.23	138.3	36.43
Greene	217	13,164	2.39	1.81	6.23	138.3	36.43
Virginia	202	12,637	1.63	1.29	10.63	142.2	35.94
Buchanan	151	12,694	1.70	1.34	10.12	148.7	37.75
Dickenson	51	12,468	1.44	1.16	12.10	122.8	30.62
West Penn Power Co Armstrong	**774**	**12,397**	**1.81**	**1.46**	**10.81**	**104.9**	**26.00**
Pennsylvania	774	12,397	1.81	1.46	10.81	104.9	26.00
Armstrong	598	12,379	1.90	1.54	10.81	102.4	25.36
Elk	118	12,471	1.53	1.23	10.56	111.4	27.79
Jefferson	53	12,433	1.49	1.20	11.21	116.9	29.06
Westmoreland	5	12,336	1.35	1.09	11.24	113.6	28.02
West Penn Power Co Hatfield	**3,162**	**13,020**	**2.23**	**1.72**	**8.07**	**109.9**	**28.62**
Pennsylvania	1,392	12,988	2.22	1.71	8.13	108.9	28.28
Greene	1,392	12,988	2.22	1.71	8.13	108.9	28.28

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
West Penn Power Co Hatfield							
West Virginia	1,770	13,046	2.24	1.72	8.02	110.7	28.89
Harrison	234	13,014	2.30	1.76	8.10	115.4	30.03
Marion	149	12,978	2.21	1.70	7.64	120.2	31.21
Marshall	167	12,946	2.25	1.74	8.41	115.7	29.96
Monongalia	1,220	13,075	2.24	1.71	8.00	108.0	28.24
West Penn Power Co Mitchell	**667**	**12,286**	**3.28**	**2.67**	**11.11**	**119.7**	**29.42**
Pennsylvania	72	12,788	2.34	1.83	9.92	88.8	22.72
Greene	72	12,788	2.34	1.83	9.92	88.8	22.72
West Virginia	595	12,226	3.39	2.77	11.25	123.6	30.23
Harrison	11	13,057	3.05	2.34	7.33	92.0	24.02
Marshall	557	12,197	3.41	2.80	11.34	124.1	30.28
Monongalia	27	12,492	3.07	2.46	10.91	126.7	31.65
West Texas Utilities Co Oklaunion	**2,888**	**8,416**	**.42**	**.50**	**5.35**	**130.1**	**21.90**
Wyoming	2,888	8,416	.42	.50	5.35	130.1	21.90
Campbell	2,888	8,416	.42	.50	5.35	130.1	21.90
Western Farmers Elec Coop Inc Hugo	**1,838**	**8,710**	**.28**	**.32**	**5.00**	**104.8**	**18.26**
Wyoming	1,838	8,710	.28	.32	5.00	104.8	18.26
Campbell	1,838	8,710	.28	.32	5.00	104.8	18.26
Wisconsin Electric Power Co Oak Creek	**3,146**	**9,795**	**.50**	**.51**	**6.09**	**110.6**	**21.66**
Colorado	77	11,697	.47	.41	8.73	125.8	29.42
Gunnison	77	11,697	.47	.41	8.73	125.8	29.42
New Mexico	228	12,059	.59	.49	13.86	160.3	38.66
Colfax	228	12,059	.59	.49	13.86	160.3	38.66
Pennsylvania	503	13,068	1.79	1.37	6.88	140.4	36.71
Greene	503	13,068	1.79	1.37	6.88	140.4	36.71
Wyoming	2,338	8,808	.21	.24	5.07	93.7	16.51
Campbell	1,587	8,798	.19	.22	4.96	93.2	16.40
Converse	751	8,827	.25	.28	5.30	94.8	16.74
Wisconsin Electric Power Co Pleasant Prairie	**5,703**	**8,446**	**.33**	**.39**	**5.29**	**72.7**	**12.29**
Wyoming	5,703	8,446	.33	.39	5.29	72.7	12.29
Campbell	5,703	8,446	.33	.39	5.29	72.7	12.29
Wisconsin Electric Power Co Port Washington	**409**	**13,164**	**1.36**	**1.03**	**6.74**	**139.9**	**36.82**
Pennsylvania	409	13,164	1.36	1.03	6.74	139.9	36.82
Washington	409	13,164	1.36	1.03	6.74	139.9	36.82
Wisconsin Electric Power Co Presque Isle	**1,794**	**10,337**	**.39**	**.38**	**6.77**	**121.0**	**25.02**
Colorado	807	11,813	.51	.43	9.07	139.1	32.88
Gunnison	807	11,813	.51	.43	9.07	139.1	32.88
Kentucky	21	13,000	.79	.61	7.95	146.5	38.09
Perry	21	13,000	.79	.61	7.95	146.5	38.09
Montana	434	9,046	.28	.31	4.83	104.2	18.86
Big Horn	434	9,046	.28	.31	4.83	104.2	18.86
Wyoming	532	9,045	.28	.31	4.82	97.4	17.62
Converse	532	9,045	.28	.31	4.82	97.4	17.62
Wisconsin Electric Power Co Valley	**466**	**11,797**	**.53**	**.45**	**8.82**	**151.9**	**35.85**
Colorado	448	11,735	.51	.43	8.94	151.9	35.66
Gunnison	448	11,735	.51	.43	8.94	151.9	35.66
Pennsylvania	18	13,363	1.18	.88	6.00	151.5	40.49
Greene	18	13,363	1.18	.88	6.00	151.5	40.49
Wisconsin Power & Light Co Columbia	**4,069**	**8,505**	**.35**	**.41**	**5.13**	**91.6**	**15.59**
Wyoming	4,069	8,505	.35	.41	5.13	91.6	15.59
Campbell	4,069	8,505	.35	.41	5.13	91.6	15.59
Wisconsin Power & Light Co Edgewater	**2,797**	**8,785**	**.35**	**.39**	**5.51**	**114.6**	**20.13**
West Virginia	12	13,073	3.07	2.35	7.10	141.4	36.97
Harrison	12	13,073	3.07	2.35	7.10	141.4	36.97

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 24. Origin of Coal Received by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Wisconsin Power & Light Co Edgewater							
Wyoming	2,785	8,766	0.34	0.38	5.50	114.4	20.05
Campbell	2,280	8,586	.32	.38	5.49	112.7	19.35
Carbon	198	10,802	.64	.59	6.24	142.6	30.82
Converse	308	8,790	.22	.25	5.14	104.2	18.31
Wisconsin Power & Light Co Nelson Dewey	**513**	**9,334**	**.34**	**.37**	**4.17**	**122.1**	**22.80**
Montana	513	9,334	.34	.37	4.17	122.1	22.80
Big Horn	513	9,334	.34	.37	4.17	122.1	22.80
Wisconsin Power & Light Co Rock River	**73**	**9,338**	**.37**	**.40**	**4.59**	**127.3**	**23.77**
Illinois	4	12,017	1.08	.90	7.09	168.4	40.47
Jefferson	4	12,017	1.08	.90	7.09	168.4	40.47
Montana	69	9,180	.33	.36	4.44	124.1	22.79
Big Horn	69	9,180	.33	.36	4.44	124.1	22.79
Wisconsin Public Service Corp Pulliam	**1,505**	**8,895**	**.20**	**.22**	**4.37**	**100.5**	**17.88**
Wyoming	1,505	8,895	.20	.22	4.37	100.5	17.88
Campbell	1,505	8,895	.20	.22	4.37	100.5	17.88
Wisconsin Public Service Corp Weston	**2,007**	**8,765**	**.29**	**.33**	**5.20**	**106.7**	**18.71**
Wyoming	2,007	8,765	.29	.33	5.20	106.7	18.71
Campbell	1,899	8,764	.29	.33	5.20	107.3	18.81
Converse	108	8,791	.20	.23	5.20	96.9	17.04
Wyandotte Municipal Serv Comm Wyandotte	**129**	**12,704**	**1.00**	**.79**	**9.16**	**144.9**	**36.81**
Kentucky	9	12,556	.73	.58	10.99	149.3	37.49
Perry	9	12,556	.73	.58	10.99	149.3	37.49
Ohio	13	12,591	2.29	1.82	8.02	157.6	39.70
Stark	12	12,569	2.29	1.82	8.07	156.4	39.31
Tuscarawas	1	12,840	2.30	1.79	7.40	172.0	44.17
Pennsylvania	15	13,254	1.57	1.18	6.45	129.4	34.30
Greene	15	13,254	1.57	1.18	6.45	129.4	34.30
West Virginia	92	12,641	.74	.59	9.60	145.4	36.75
Boone	61	12,750	.76	.60	9.43	147.4	37.58
Kanawha	30	12,422	.70	.56	9.96	141.2	35.08
Total	**908,232**	**10,174**	**1.01**	**.99**	**9.01**	**121.7**	**24.76**

1 Some coal destined for the Barry plant is reported by the Alabama Power Company as it is received at the Gorgas Transshipping facility.

2 Refers to coal in which the county of origin in not known.

3 The cost reported under IMT Transfer (Louisiana) is the weighted average cost of coal delivered to this facility. Florida Power Corporation incurs additional costs for transporting coal from this transfer facility to the Crystal River power plant. This cost is not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.

4 The Tampa Electric Company reports coal destined for the Big Bend power plant as it is received at this facility located in Louisiana. The cost reported under Davant Transfer is the weighted average cost of coal delivered to this facility. The Tampa Electric Company incurs additional costs for transporting coal from Davant to the Big Bend power plant located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.

5 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Nearly all of the coal delivered to the Cora facility was transferred to plants in Tennessee. About 1 percent was transferred to plants in Alabama. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 64 percent of the coal delivered to the GRT facility was transferred to plants in Tennessee. Approximately 36 percent was transferred to plants in Alabama. All coal delivered to GRT is shown in this report as being delivered to Tennessee.

6 Data for Sandow No. 4 include lignite delivered for the Aluminium Company of America (ALCOA) portion of Unit 4.

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Fossil-Fuel Data at the Electric Utility and Plant Level

Table 25. The Top 20 Electric Utilities, Ranked by Receipts of Coal, 1999

Electric Utility	Receipts (thousand short tons)	Average Delivered Cost		Total Coal Bill (million dollars)
		(cents per million Btu)	(dollars per short ton)	
1. Tennessee Valley Authority	42,022	111.9	25.78	1,083.2
2. Texas Utilities Electric Co	34,554	99.2	12.81	442.5
3. Georgia Power Co	32,505	154.9	36.34	1,181.2
4. PacifiCorp	30,773	93.0	17.78	547.2
5. Alabama Power Co	24,398	154.8	33.12	808.1
6. Detroit Edison Co	20,444	127.0	26.11	533.8
7. Houston Lighting & Power Co	20,059	145.0	22.39	449.2
8. Union Electric Co	17,789	97.5	17.36	308.8
9. Basin Electric Power Coop	16,434	57.9	8.58	140.9
10. PSI Energy Inc	16,030	109.0	24.29	389.3
11. Duke Power Co	14,802	140.4	34.82	515.4
12. Ohio Power Co	14,504	164.9	39.13	567.6
13. Commonwealth Edison Co	14,206	192.0	33.85	480.9
14. Appalachian Power Co	13,649	132.4	32.48	443.2
15 Virginia Electric & Power	13,613	127.1	31.98	435.3
16. Monongahela Power Co	13,345	104.6	26.23	350.1
17. Arkansas Power & Light Co	13,078	146.3	25.36	331.6
18. Southwestern Electric Power	12,848	141.4	22.53	289.5
19. Pennsylvania Electric Co	12,679	115.8	28.71	364.1
20. Northern States Power Co	12,278	107.2	18.91	232.2

Note: Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.'' .

Table 26. The Top 20 Electric Utilities, Ranked by Receipts of Petroleum, 1999

Electric Utility	Receipts (thousand barrels)	Average Delivered Cost		Total Petroleum Bill (million dollars)
		(cents per million Btu)	(dollars per barrel)	
1. Florida Power & Light Co	37,448	253.8	16.18	605.9
2. Hawaiian Electric Co Inc	10,744	319.9	20.08	215.8
3. Florida Power Corp	10,342	224.4	14.56	150.6
4. Connecticut Light & Power Co	7,245	239.2	15.30	110.8
5. Long Island Lighting Co	6,874	228.6	14.56	100.1
6. Central Hudson Gas & Elec Corp	5,912	237.6	15.01	88.7
7. Mississippi Power & Light	4,955	153.1	10.17	50.4
8. Consolidated Edison Co-NY Inc	4,949	262.8	16.50	81.7
9. Jacksonville Electric Auth	4,473	211.0	13.37	59.8
10. Potomac Electric Power	4,416	272.6	17.17	75.8
11. Virginia Electric & Power Co	4,020	230.9	14.61	58.7
12. Philadelphia Electric Co	2,943	265.6	16.79	49.4
13. Public Service Co of NH	2,615	213.6	13.75	35.9
14. Delmarva Power & Light	2,532	240.6	15.32	38.8
15. United Illuminating Co	2,511	178.4	11.43	28.7
16. Baltimore Gas & Electric Co	1,986	247.0	15.69	31.2
17. Consumers Power Company	1,821	267.1	17.02	31.0
18. Pennsylvania Power & Light Co	1,484	257.9	16.39	24.3
19. Central Maine Power Co	1,045	177.9	11.27	11.8
20. Orlando Utilities Commission	1,009	240.9	15.31	15.5

Note: Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.'' .

Table 27. The Top 20 Electric Utilities, Ranked by Receipts of Gas, 1999

Electric Utility	Receipts (thousand Mcf)	Average Delivered Cost		Total Gas Bill (million dollars)
		(cents per million Btu)	(dollars per Mcf)	
1. Texas Utilities Electric Co	375,690	259.1	2.64	992.6
2. Houston Lighting & Power Co	250,565	240.4	2.44	612.6
3. Gulf States Utilities Co	193,162	241.7	2.50	483.4
4. Florida Power & Light Co	192,915	300.8	3.14	605.8
5. Louisiana Power & Light Co	140,477	259.5	2.69	378.5
6. Central Power & Light Co	128,535	233.4	2.40	307.9
7. Public Service Co of Oklahoma	79,118	253.9	2.59	205.1
8. Long Island Lighting Co	78,994	281.4	2.87	226.7
9. Southwestern Public Service	67,441	234.4	2.36	159.4
10. Oklahoma Gas & Electric Co	62,113	303.5	3.15	195.6
11. Los Angeles City of	54,394	305.4	3.08	167.7
12. San Antonio City Pub Service	51,940	250.3	2.53	131.3
13. Mississippi Power & Light	51,244	244.3	2.51	128.4
14. Consolidated Edison Co-NY Inc	50,628	245.1	2.52	127.8
15. Southwestern Electric Power	45,018	245.3	2.55	114.9
16. Pacific Gas & Electric Co	36,102	247.6	2.54	91.6
17. West Texas Utilities Co	35,850	243.5	2.47	88.6
18. Central Louisiana Electric	35,151	233.7	2.44	85.7
19. Lower Colorado River Auth	34,400	224.9	2.27	78.2
20. San Diego Gas & Electric Co	18,215	287.0	2.90	52.8

Notes: • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

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

Table 28. Receipts of Petroleum Coke by Electric Utility, 1999

Electric Utility	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Electric Pwr Coop-MO[1]	12	14,201	4.53	0.82	75.1	21.32
Central Illinois Pub Serv Co	25	14,142	4.90	.40	66.4	18.77
Central Power & Light Co	80	14,212	5.80	.45	64.9	18.45
Cincinnati Gas & Electric Co	7	13,962	5.87	.71	53.0	14.79
Illinois Power Co	14	13,711	2.97	.30	49.6	13.60
Indianapolis Power & Light Co	62	14,004	4.85	.48	53.2	14.89
Jacksonville Electric Authority	342	14,392	5.36	.47	44.2	12.71
Lakeland Dept of Water and Elec	72	14,042	5.53	.52	85.5	24.02
Los Angelos City of	9	14,043	5.78	.42	84.2	23.65
Manitowoc Public Utilities	40	14,356	5.75	.56	46.7	13.40
Michigan South Central Power	13	14,082	4.31	.43	102.8	28.96
Northern Indiana Pub Serv Co	259	14,136	4.41	.25	63.3	17.90
Northern States Power Co	234	13,729	5.70	.57	63.2	17.34
Ohio Edison Co	17	13,746	4.34	.73	62.9	17.29
Owensboro City of	30	14,126	5.47	.54	47.1	13.31
Pennsylvania Power & Light Co	170	14,061	5.65	.65	68.5	19.27
Pennsylvania Power Co	650	14,055	5.29	.46	82.3	23.13
San Antonio City of	176	14,509	3.91	.64	46.1	13.38
Seminole Electric Coop Inc	204	14,035	6.15	.30	78.8	22.11
Tampa Electric Co	30	14,068	5.68	.40	29.8	8.38
Union Electric Co	42	14,150	4.90	.40	45.4	12.85
UtiliCorp United Inc	170	14,078	5.64	.46	58.7	16.52
Wisconsin Electric Power Co	149	14,162	4.71	.39	71.6	20.28
Wisconsin Power & Light Co	100	14,210	5.74	.48	66.4	18.88
Total	**2,906**	**14,121**	**5.25**	**.46**	**65.4**	**18.47**

1 Includes a small amount of coal.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 29. Receipts of No. 6 Fuel Oil by Electric Utility, 1999

Company	Receipts (thousand barrels)	Average Quality		Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
Atlantic City Electric Co	348	151,869	0.96	298.3	19.03
Baltimore Gas & Electric Co	1,960	151,407	.93	245.1	15.59
Central Hudson Gas & Elec Corp	5,912	150,412	1.19	237.6	15.01
Central Illinois Pub Serv Co	112	149,388	.29	292.2	18.33
Central Maine Power Co	1,045	150,839	1.00	177.9	11.27
Commonwealth Edison Co	155	153,159	.64	345.3	22.21
Connecticut Light & Power Co	7,221	152,334	.73	238.6	15.27
Consolidated Edison Co-NY Inc	4,949	149,508	.30	262.8	16.50
Consumers Power Co	1,696	152,742	.98	257.1	16.50
Delmarva Power & Light Co	2,425	152,168	.98	234.6	15.00
Detroit Edison Co	160	147,269	.66	277.8	17.18
Dover City of	229	150,646	.86	262.4	16.60
Florida Power & Light Co	37,403	151,781	1.36	253.5	16.16
Florida Power Corp	10,229	154,679	1.61	222.7	14.47
Gainesville Regional Utilities	11	151,703	1.97	324.2	20.66
Hawaiian Electric Co Inc	10,713	149,525	.44	319.3	20.05
Illinois Power Co	183	150,201	.84	284.9	17.97
Jacksonville Electric Auth	4,374	151,195	1.45	207.1	13.15
Kansas Gas & Electric Co	177	157,323	1.49	212.0	14.01
Lake Worth City of	5	141,099	.54	374.1	22.17
Lakeland City of	246	148,953	2.06	302.5	18.92
Long Island Lighting Co	6,874	151,709	.91	228.6	14.56
Louisiana Power & Light Co	141	154,276	.99	194.2	12.59
Mississippi Power & Light Co	4,916	158,211	2.75	152.1	10.11
New Orleans Public Service Inc	441	156,364	1.50	159.0	10.44
Niagara Mohawk Power Corp	845	150,657	1.23	249.3	15.77
Orange & Rockland Utils Inc	639	149,284	.34	206.8	12.97
Orlando Utilities Comm	1,005	151,356	1.18	240.5	15.29
Pennsylvania Power & Light Co	1,232	153,765	.84	237.8	15.36
Philadelphia Electric Co	2,781	151,192	.46	262.0	16.64
Potomac Electric Power Co	3,865	151,037	.90	261.3	16.57
Power Authority of State of NY	921	148,662	.29	214.8	13.41
Public Service Co of NH	2,591	153,364	1.56	212.2	13.67
Public Service Electric&Gas Co	210	148,986	.29	336.7	21.07
Tampa Electric Co	353	150,592	.96	271.3	17.16
Taunton City of	90	151,116	1.00	241.7	15.34
United Illuminating Co	2,508	152,500	.97	178.3	11.42
Vineland City of	47	152,427	.83	285.8	18.30
Virginia Electric & Power Co	3,711	151,582	1.15	220.4	14.03
Western Massachusetts Elec Co	92	151,455	.87	239.7	15.25
Total	**122,813**	**151,920**	**1.15**	**243.3**	**15.52**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Alabama Electric Coop Inc	**546**	**11,871**	**1.68**	**12.52**	**136.4**	**32.39**	**1,007**	**11,794**	**0.97**	**6.66**	**141.8**	**33.44**
Lowman (AL)	546	11,871	1.68	12.52	136.4	32.39	1,007	11,794	.97	6.66	141.8	33.44
Alabama Power Co[1]	**22,463**	**10,554**	**.71**	**8.95**	**156.6**	**33.06**	**1,935**	**12,402**	**1.52**	**11.36**	**136.5**	**33.85**
Barry (AL)	4,036	12,191	.71	12.18	206.1	50.25	60	12,073	.91	6.04	245.9	59.38
Gadsden (AL)	240	12,416	1.85	13.37	153.6	38.14	—	—	—	—	—	—
Gorgas 2 and 3 (AL)	3,273	11,968	1.37	13.51	147.4	35.29	—	—	—	—	—	—
Greene (AL)	983	12,426	2.05	9.77	120.5	29.95	464	12,489	2.06	9.38	121.7	30.40
Gaston (AL)	3,076	12,147	.77	11.78	201.4	48.93	1,412	12,387	1.36	12.24	136.9	33.91
James Miller (AL)	10,856	8,857	.35	5.40	122.3	21.66	—	—	—	—	—	—
American Mun Power Ohio Inc	**—**	**—**	**—**	**—**	**—**	**—**	**832**	**11,583**	**4.70**	**15.05**	**89.6**	**20.75**
Gorsuch (OH)	—	—	—	—	—	—	832	11,583	4.70	15.05	89.6	20.75
Ames City of	**238**	**8,884**	**.18**	**4.34**	**140.9**	**25.03**	**—**	**—**	**—**	**—**	**—**	**—**
Ames (IA)	238	8,884	.18	4.34	140.9	25.03	—	—	—	—	—	—
Appalachian Power Co	**11,104**	**12,212**	**.74**	**12.25**	**135.8**	**33.18**	**2,544**	**12,475**	**.77**	**11.25**	**117.9**	**29.42**
Clinch River (VA)	1,326	12,384	.70	14.61	134.3	33.26	339	12,675	.75	12.39	115.0	29.15
Glen Lyn (VA)	455	12,831	.90	10.13	138.7	35.60	323	12,895	.85	9.28	129.6	33.41
Amos (WV)	5,780	12,137	.77	12.04	134.1	32.55	905	12,480	.79	10.38	113.3	28.29
Kanawha River (WV)	713	12,203	.79	12.51	138.5	33.79	193	11,970	.81	13.16	101.3	24.25
Mountaineer (WV)	2,830	12,186	.67	11.85	139.0	33.87	784	12,335	.70	12.11	123.5	30.46
Arizona Electric Pwr Coop Inc	**1,276**	**9,993**	**.42**	**14.79**	**113.8**	**22.75**	**159**	**9,412**	**.79**	**15.72**	**135.8**	**25.57**
Apache (AZ)	1,276	9,993	.42	14.79	113.8	22.75	159	9,412	.79	15.72	135.8	25.57
Arizona Public Service Co	**10,371**	**9,163**	**.70**	**19.89**	**112.8**	**20.66**	**1,930**	**9,909**	**.49**	**14.11**	**117.7**	**23.32**
Cholla (AZ)	1,861	9,975	.42	14.07	164.8	32.88	1,930	9,909	.49	14.11	117.7	23.32
Four Corners (NM)	8,510	8,985	.76	21.17	100.1	17.99	—	—	—	—	—	—
Arkansas Power & Light Co	**12,647**	**8,675**	**.27**	**4.75**	**146.9**	**25.49**	**431**	**8,353**	**.34**	**6.08**	**128.4**	**21.45**
Whitebluff (AR)	5,850	8,487	.34	5.04	162.2	27.53	431	8,353	.34	6.08	128.4	21.45
Independence (AR)	6,797	8,837	.21	4.49	134.3	23.74	—	—	—	—	—	—
Associated Electric Coop Inc	**9,141**	**8,887**	**.19**	**4.37**	**83.2**	**14.78**	**—**	**—**	**—**	**—**	**—**	**—**
Madrid (MO)	4,352	8,887	.19	4.36	95.1	16.91	—	—	—	—	—	—
Hill (MO)	4,789	8,887	.19	4.38	72.3	12.85	—	—	—	—	—	—
Atlantic City Electric Co	**639**	**12,907**	**2.16**	**9.69**	**157.2**	**40.59**	**40**	**12,520**	**1.49**	**9.19**	**156.0**	**39.06**
England (NJ)	550	12,889	2.37	9.61	157.5	40.59	16	12,702	2.46	6.66	155.5	39.50
Deepwater (NJ)	90	13,015	.88	10.18	155.9	40.59	24	12,402	.86	10.84	156.3	38.77
Baltimore Gas & Electric Co	**5,476**	**12,726**	**.88**	**10.43**	**139.4**	**35.48**	**68**	**12,595**	**.99**	**7.54**	**138.4**	**34.86**
Brandon Shores (MD)	3,738	12,575	.71	11.37	139.2	35.01	32	12,066	.68	7.06	131.0	31.62
Crane (MD)	802	13,213	1.65	7.30	138.1	36.51	11	13,207	2.25	7.70	138.9	36.69
Wagner (MD)	936	12,911	.89	9.37	141.3	36.48	25	13,004	.85	8.07	146.9	38.20
Basin Electric Power Coop	**16,434**	**7,406**	**.56**	**7.05**	**57.9**	**8.58**	**—**	**—**	**—**	**—**	**—**	**—**
Leland Olds (ND)	3,598	6,663	.70	7.78	76.5	10.20	—	—	—	—	—	—
Laramie River (WY)	7,406	8,361	.41	5.45	44.3	7.41	—	—	—	—	—	—
Antelope Valley (ND)	5,430	6,595	.68	8.74	68.9	9.09	—	—	—	—	—	—
Big Rivers Electric Corp	**263**	**11,422**	**2.58**	**8.77**	**103.5**	**23.65**	**—**	**—**	**—**	**—**	**—**	**—**
Reid-Henderson (KY)	263	11,422	2.58	8.77	103.5	23.65	—	—	—	—	—	—
Black Hills Corp	**496**	**8,078**	**.57**	**7.04**	**42.7**	**6.90**	**—**	**—**	**—**	**—**	**—**	**—**
Neal Simpson II (WY)	496	8,078	.57	7.04	42.7	6.90	—	—	—	—	—	—
Cajun Electric Power Coop Inc	**6,648**	**8,338**	**.46**	**5.78**	**146.2**	**24.39**	**—**	**—**	**—**	**—**	**—**	**—**
Big Cajun No.2 (LA)	6,648	8,338	.46	5.78	146.2	24.39	—	—	—	—	—	—
Cardinal Operating Co	**3,180**	**12,240**	**1.58**	**12.24**	**241.5**	**59.12**	**480**	**12,495**	**1.11**	**10.46**	**118.0**	**29.50**
Cardinal (OH)	3,180	12,240	1.58	12.24	241.5	59.12	480	12,495	1.11	10.46	118.0	29.50

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Carolina Power & Light Co	**10,419**	**12,567**	**0.88**	**9.89**	**149.8**	**37.66**	**1,127**	**12,330**	**1.13**	**11.88**	**130.2**	**32.12**
Asheville (NC)	827	12,759	1.00	10.33	144.7	36.92	124	12,704	1.14	11.45	124.8	31.70
Cape Fear (NC)	570	12,323	1.06	10.11	148.2	36.52	88	12,379	.86	10.44	136.6	33.83
Lee (NC)	543	12,494	.95	9.40	154.3	38.55	118	12,253	1.07	10.36	145.4	35.64
Roxboro (NC)	5,441	12,465	.88	10.44	148.7	37.06	526	12,185	.91	12.19	128.6	31.34
Sutton (NC)	985	12,957	.92	8.55	155.8	40.37	140	11,749	1.08	17.15	126.1	29.62
Weatherspoon (NC)	284	12,817	.99	8.52	162.4	41.62	—	—	—	—	—	—
Robinson (SC)	233	13,028	1.02	8.30	153.2	39.91	131	13,218	2.25	7.69	128.5	33.98
Mayo (NC)	1,533	12,573	.65	9.14	149.0	37.46	—	—	—	—	—	—
Cedar Falls City of	**—**	**—**	**—**	**—**	**—**	**—**	**44**	**12,057**	**1.31**	**12.51**	**160.8**	**38.78**
Streeter (IA)	—	—	—	—	—	—	44	12,057	1.31	12.51	160.8	38.78
Central Electric Pwr Coop-MO	**—**	**—**	**—**	**—**	**—**	**—**	**135**	**11,014**	**2.73**	**9.06**	**127.7**	**28.14**
Chamois (MO)	—	—	—	—	—	—	135	11,014	2.73	9.06	127.7	28.14
Central Hudson Gas & Elec Corp	**787**	**12,948**	**.66**	**6.90**	**162.0**	**41.95**	**70**	**12,794**	**.64**	**7.14**	**161.4**	**41.29**
Danskammer (NY)	787	12,948	.66	6.90	162.0	41.95	70	12,794	.64	7.14	161.4	41.29
Central Illinois Light Co	**2,384**	**10,916**	**2.45**	**7.96**	**142.3**	**31.07**	**285**	**10,793**	**2.70**	**8.76**	**136.3**	**29.43**
Edwards (IL)	1,517	11,099	1.85	7.78	124.2	27.57	150	10,510	2.84	8.88	118.9	24.98
Duck Creek (IL)	867	10,597	3.50	8.28	175.5	37.20	135	11,108	2.54	8.63	154.7	34.36
Central Illinois Pub Serv Co	**2,564**	**10,476**	**1.05**	**8.46**	**158.8**	**33.28**	**3,778**	**9,144**	**.60**	**5.41**	**109.0**	**19.93**
Coffeen (IL)	1,759	10,300	1.00	8.29	182.8	37.66	99	8,820	.23	4.50	102.2	18.04
Grand Tower (IL)	—	—	—	—	—	—	222	11,219	2.87	10.75	100.9	22.63
Hutsonville (IL)	44	11,000	2.81	9.00	109.2	24.03	138	10,996	2.76	9.07	109.0	23.96
Meredosia (IL)	407	10,607	1.47	7.67	105.6	22.40	169	11,231	2.81	9.43	130.1	29.23
Newton (IL)	354	11,133	.57	10.17	112.9	25.15	3,150	8,815	.24	4.68	108.4	19.12
Central Iowa Power Coop	**170**	**12,215**	**2.77**	**9.49**	**112.9**	**27.58**	**21**	**11,794**	**2.95**	**10.05**	**117.4**	**27.70**
Fair Station (IA)	170	12,215	2.77	9.49	112.9	27.58	21	11,794	2.95	10.05	117.4	27.70
Central Louisiana Elec Co Inc	**4,864**	**7,660**	**.82**	**10.40**	**135.8**	**20.81**	**—**	**—**	**—**	**—**	**—**	**—**
Dolet Hills (LA)	2,810	6,963	.92	12.49	133.7	18.62	—	—	—	—	—	—
Rodemacher (LA)	2,054	8,614	.68	7.54	138.2	23.80	—	—	—	—	—	—
Central Operating Co	**874**	**12,162**	**1.53**	**12.64**	**158.3**	**38.50**	**1,784**	**12,138**	**1.47**	**12.41**	**105.2**	**25.53**
Sporn (WV)	874	12,162	1.53	12.64	158.3	38.50	1,784	12,138	1.47	12.41	105.2	25.53
Central Power & Light Co	**1,148**	**10,455**	**.39**	**5.75**	**143.7**	**30.04**	**1,436**	**9,022**	**.24**	**5.10**	**137.6**	**24.83**
Coleto Creek (TX)	1,148	10,455	.39	5.75	143.7	30.04	1,436	9,022	.24	5.10	137.6	24.83
Cincinnati Gas & Electric Co	**7,381**	**12,172**	**2.29**	**10.65**	**112.9**	**27.48**	**4,425**	**11,957**	**1.52**	**12.52**	**105.7**	**25.28**
Beckjord (OH)	1,872	12,148	1.01	11.54	116.5	28.30	1,183	11,904	1.00	12.51	108.7	25.87
Miami Fort (OH)	1,737	12,286	1.01	11.23	128.4	31.56	1,762	11,779	.99	13.84	111.1	26.18
East Bend (KY)	595	12,236	1.64	11.11	114.6	28.04	1,259	12,211	2.48	10.91	97.9	23.90
Zimmer (OH)	3,176	12,112	3.87	9.72	101.8	24.65	222	12,214	3.14	11.23	92.9	22.69
Cleveland Electric Illum Co	**1,813**	**12,751**	**2.34**	**9.20**	**126.1**	**32.17**	**2,005**	**12,782**	**1.76**	**8.16**	**122.6**	**31.34**
Ashtabula (OH)	287	12,496	4.16	9.15	104.6	26.13	44	11,397	1.73	8.00	116.7	26.59
Avon Lake (OH)	877	12,935	.71	9.18	152.4	39.43	519	12,493	1.57	8.81	120.8	30.19
Eastlake (OH)	649	12,614	3.74	9.24	99.2	25.02	1,309	12,909	1.96	8.03	120.5	31.12
Lake Shore (OH)	—	—	—	—	—	—	133	13,131	.63	7.01	150.8	39.60
Colorado Springs City of	**1,408**	**10,654**	**.41**	**7.36**	**117.2**	**24.97**	**42**	**8,670**	**.32**	**5.56**	**77.1**	**13.37**
Drake (CO)	813	10,756	.42	7.04	137.8	29.63	—	—	—	—	—	—
Nixon (CO)	595	10,514	.40	7.81	88.4	18.60	42	8,670	.32	5.56	77.1	13.37
Columbia City of	**40**	**13,402**	**1.23**	**6.62**	**199.6**	**53.49**	**—**	**—**	**—**	**—**	**—**	**—**
Columbia (MO)	40	13,402	1.23	6.62	199.6	53.49	—	—	—	—	—	—
Columbus Southern Power Co	**3,184**	**12,035**	**2.61**	**8.01**	**128.3**	**30.87**	**934**	**11,760**	**2.90**	**11.82**	**97.5**	**22.93**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Columbus Southern Power Co												
Conesville (OH)	3,060	12,071	2.62	7.84	128.4	31.00	890	11,780	2.88	11.89	97.3	22.92
Picway (OH)	124	11,147	2.53	12.34	124.6	27.79	44	11,362	3.31	10.25	101.6	23.10
Commonwealth Edison Co[2]	**10,810**	**8,860**	**.38**	**5.21**	**217.7**	**38.58**	**3,396**	**8,683**	**.44**	**5.60**	**108.2**	**18.79**
Joliet (IL)	3,753	8,766	.36	5.38	289.9	50.82	659	8,761	.42	5.33	110.6	19.38
Powerton (IL)	2,958	8,898	.39	5.11	153.6	27.33	1,448	8,655	.47	5.86	105.4	18.24
Waukegan (IL)	1,525	8,715	.42	5.49	202.4	35.28	534	8,666	.41	5.39	116.2	20.13
Will County (IL)	2,574	9,039	.39	4.91	197.1	35.63	755	8,679	.41	5.51	105.9	18.38
Consumers Power Co	**6,577**	**10,946**	**.60**	**8.88**	**139.5**	**30.53**	**2,365**	**10,645**	**.78**	**8.93**	**128.0**	**27.25**
Cobb (MI)	415	8,941	.44	6.16	112.1	20.05	647	10,903	1.01	8.47	125.2	27.30
Karn-Weadock (MI)	681	12,314	.81	11.66	150.2	36.99	414	12,029	.97	11.99	143.1	34.43
Campbell (MI)	3,725	11,288	.61	9.06	146.2	33.00	441	9,913	.51	7.64	123.8	24.55
Weadock (MI)	1,204	9,690	.49	7.22	118.3	22.93	427	9,863	.61	8.03	122.7	24.19
Whiting (MI)	551	11,198	.67	9.90	135.5	30.34	435	10,455	.67	8.91	124.8	26.10
Coop Power Assn	**7,150**	**6,189**	**.66**	**11.34**	**81.3**	**10.06**	—	—	—	—	—	—
Coal Creek (ND)	7,150	6,189	.66	11.34	81.3	10.06	—	—	—	—	—	—
Dairyland Power Coop	**1,793**	**8,838**	**.19**	**4.47**	**103.9**	**18.36**	**1,034**	**11,719**	**.86**	**6.52**	**133.0**	**31.17**
Alma-Madgett (WI)	1,393	8,841	.19	4.47	99.3	17.56	415	11,275	.58	7.29	129.4	29.18
Genoa No.3 (WI)	400	8,827	.19	4.47	119.7	21.14	619	12,016	1.05	6.00	135.2	32.50
Dayton Power & Light Co	**5,940**	**11,611**	**.77**	**14.53**	**122.8**	**28.52**	**1,649**	**11,382**	**.82**	**14.54**	**108.0**	**24.58**
Hutchings (OH)	—	—	—	—	—	—	128	12,387	.86	9.92	135.7	33.62
Stuart (OH)	4,639	11,528	.81	14.66	120.9	27.87	1,085	11,149	.89	15.64	101.3	22.59
Killen (OH)	1,301	11,907	.62	14.06	129.5	30.85	435	11,668	.63	13.15	115.1	26.86
Delmarva Power & Light Co	**1,075**	**12,944**	**1.00**	**9.25**	**158.4**	**41.02**	**129**	**12,862**	**.70**	**9.30**	**163.2**	**41.98**
Edgemoor (DE)	209	12,483	.75	11.76	159.0	39.70	64	12,859	.74	9.88	155.3	39.93
Indian River (DE)	866	13,055	1.06	8.65	158.3	41.33	65	12,865	.66	8.73	171.1	44.01
Deseret Generation & Tran Coop	**1,222**	**10,169**	**.42**	**10.93**	**163.6**	**33.27**	**280**	**11,018**	**.43**	**10.66**	**133.1**	**29.33**
Bonanza (UT)	1,222	10,169	.42	10.93	163.6	33.27	280	11,018	.43	10.66	133.1	29.33
Detroit Edison Co	**16,655**	**9,682**	**.44**	**4.77**	**127.9**	**24.77**	**3,789**	**12,896**	**1.29**	**7.68**	**124.1**	**32.02**
Harbor Beach (MI)	—	—	—	—	—	—	102	13,392	.95	7.19	145.5	38.98
Marysville (MI)	—	—	—	—	—	—	37	13,432	.94	7.08	146.6	39.37
Monroe (MI)	6,023	9,656	.49	5.24	105.3	20.34	2,206	12,833	.92	7.99	126.3	32.43
River Rouge (MI)	1,060	9,768	.52	5.33	109.6	21.41	471	12,915	.90	8.10	127.1	32.82
St Clair (MI)	3,947	9,500	.34	4.17	152.0	28.87	734	13,226	2.73	7.03	114.7	30.33
Trenton Channel (MI)	1,805	10,506	.69	5.49	113.7	23.89	239	12,135	1.20	6.32	114.4	27.78
Belle River (MI)	3,820	9,500	.34	4.17	151.9	28.86	—	—	—	—	—	—
Duke Power Co	**10,146**	**12,400**	**.79**	**10.41**	**144.1**	**35.74**	**4,656**	**12,393**	**.87**	**10.89**	**132.3**	**32.80**
Allen (NC)	1,441	12,386	.74	10.47	144.7	35.84	487	12,504	.92	10.32	129.6	32.42
Buck (NC)	440	12,291	.76	10.85	139.2	34.21	212	11,792	.82	15.37	135.4	31.93
Cliffside (NC)	711	12,779	.82	7.57	135.5	34.64	726	12,565	.96	8.93	133.9	33.65
Dan River (NC)	235	12,729	.71	9.73	139.4	35.48	72	13,053	.69	9.67	140.0	36.55
Marshall (NC)	2,376	12,463	.82	10.00	132.0	32.89	1,880	12,247	.82	11.83	130.0	31.83
Riverbend (NC)	205	12,512	.92	9.75	135.4	33.87	383	12,416	.94	10.49	137.3	34.10
Lee (SC)	160	12,689	1.16	9.80	142.8	36.25	249	12,567	.92	9.76	141.6	35.60
Belews Creek (NC)	4,578	12,291	.78	11.08	152.9	37.59	647	12,580	.88	10.11	130.9	32.94
Duquesne Light Co	**1,079**	**12,493**	**1.79**	**10.87**	**182.1**	**45.49**	**963**	**12,845**	**2.22**	**9.65**	**102.8**	**26.41**
Elrama (PA)	402	12,005	2.18	14.52	279.1	67.00	468	12,411	2.23	11.72	104.1	25.83
Cheswick (PA)	677	12,782	1.56	8.70	128.0	32.72	495	13,256	2.22	7.70	101.7	26.96
East Kentucky Power Coop Inc	**2,386**	**12,233**	**.81**	**11.35**	**114.2**	**27.94**	**1,552**	**12,511**	**.96**	**9.43**	**112.5**	**28.16**
Cooper (KY)	386	12,238	1.15	10.71	111.8	27.36	424	12,584	1.32	9.35	104.9	26.41
Dale (KY)	300	12,219	.80	10.55	113.9	27.83	236	12,231	.85	9.81	113.5	27.76
Spurlock (KY)	1,700	12,235	.73	11.64	114.8	28.09	892	12,550	.81	9.37	115.9	29.09

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Electric Energy Inc	**4,922**	**8,742**	**0.24**	**4.56**	**87.4**	**15.28**	**13**	**8,545**	**0.33**	**4.80**	**88.8**	**15.18**
Joppa (IL)	4,922	8,742	.24	4.56	87.4	15.28	13	8,545	.33	4.80	88.8	15.18
Empire District Electric Co	**1,072**	**9,208**	**.60**	**5.40**	**106.1**	**19.54**	**32**	**12,210**	**1.65**	**10.81**	**136.0**	**33.21**
Riverton (KS)	324	9,497	.85	5.67	115.2	21.89	3	12,425	.45	8.31	147.6	36.68
Asbury (MO)	748	9,082	.49	5.28	102.0	18.52	29	12,188	1.77	11.08	134.7	32.84
Florida Power Corp[3]	**3,623**	**15,476**	**.81**	**9.07**	**177.4**	**54.91**	**1,823**	**12,692**	**.90**	**8.89**	**161.4**	**40.96**
Crystal River (FL)	2,364	17,004	.87	8.69	179.2	60.93	1,102	12,742	.97	8.81	164.9	42.02
IMT Transfer (LA)	1,259	12,605	.70	9.77	173.0	43.61	721	12,615	.79	8.99	155.9	39.33
Fremont City of	**203**	**8,765**	**.19**	**4.51**	**92.2**	**16.15**	**46**	**8,834**	**.20**	**4.30**	**91.3**	**16.13**
Wright (NE)	203	8,765	.19	4.51	92.2	16.15	46	8,834	.20	4.30	91.3	16.13
Gainesville Regional Utilities	**487**	**13,057**	**.64**	**7.04**	**165.9**	**43.32**	**70**	**13,194**	**.66**	**7.42**	**160.3**	**42.29**
Deerhaven (FL)	487	13,057	.64	7.04	165.9	43.32	70	13,194	.66	7.42	160.3	42.29
Georgia Power Co	**19,429**	**12,611**	**.88**	**9.79**	**158.5**	**39.97**	**13,075**	**10,427**	**.68**	**8.45**	**148.4**	**30.94**
Arkwright (GA)	4	12,938	1.77	11.74	170.3	44.07	120	12,929	1.72	8.90	166.2	42.97
Atkinson-Mcdonough (GA)	1,218	13,014	1.04	7.42	143.4	37.33	41	12,882	1.18	8.04	137.8	35.49
Bowen (GA)	7,073	12,444	.86	10.42	145.1	36.11	950	11,455	.97	16.37	132.3	30.31
Hammond (GA)	1,371	12,835	.84	9.60	146.5	37.59	349	12,897	.76	9.48	145.9	37.63
Harllee Branch (GA)	1,694	12,592	.99	10.05	166.3	41.88	1,310	12,177	1.57	10.74	148.0	36.04
Mitchell (GA)	243	12,786	1.23	8.84	180.3	46.11	—	—	—	—	—	—
Yates (GA)	1,579	12,824	.94	10.55	148.4	38.06	917	12,872	.88	9.87	146.0	37.59
Wansley (GA)	2,580	12,546	1.03	8.53	149.7	37.57	1,835	12,187	.96	12.37	145.3	35.41
Scherer (GA)	3,667	12,667	.65	9.92	199.0	50.41	7,552	9,101	.37	5.88	152.3	27.72
Grand Haven City of	**72**	**10,976**	**2.33**	**10.28**	**134.2**	**29.47**	**84**	**11,146**	**2.30**	**10.17**	**130.3**	**29.05**
J B Simms (MI)	72	10,976	2.33	10.28	134.2	29.47	84	11,146	2.30	10.17	130.3	29.05
Grand Island City of	**375**	**8,299**	**.37**	**5.42**	**65.0**	**10.80**	**—**	**—**	**—**	**—**	**—**	**—**
Platte (NE)	375	8,299	.37	5.42	65.0	10.80	—	—	—	—	—	—
Grand River Dam Authority	**3,949**	**8,558**	**.43**	**5.46**	**85.7**	**14.68**	**—**	**—**	**—**	**—**	**—**	**—**
GRDA No 1 (OK)	3,949	8,558	.43	5.46	85.7	14.68	—	—	—	—	—	—
Gulf Power Co	**1,935**	**12,128**	**1.03**	**6.53**	**143.4**	**34.77**	**1,612**	**12,363**	**1.79**	**8.18**	**142.4**	**35.21**
Crist (FL)	1,830	12,132	1.03	6.51	143.0	34.69	585	12,327	.81	6.39	146.9	36.20
Scholtz (FL)	—	—	—	—	—	—	165	12,385	.82	6.79	164.8	40.82
Smith (FL)	106	12,049	1.11	6.76	150.3	36.23	862	12,384	2.64	9.67	135.1	33.47
Gulf States Utilities Co	**2,343**	**8,629**	**.45**	**5.80**	**129.6**	**22.37**	**—**	**—**	**—**	**—**	**—**	**—**
Nelson (LA)	2,343	8,629	.45	5.80	129.6	22.37	—	—	—	—	—	—
Hamilton City of	**138**	**12,404**	**.92**	**9.88**	**144.5**	**35.84**	**—**	**—**	**—**	**—**	**—**	**—**
Hamilton (OH)	138	12,404	.92	9.88	144.5	35.84	—	—	—	—	—	—
Hastings City of	**399**	**8,307**	**.34**	**5.47**	**64.1**	**10.66**	**—**	**—**	**—**	**—**	**—**	**—**
Hastings (NE)	399	8,307	.34	5.47	64.1	10.66	—	—	—	—	—	—
Holland City of	**169**	**13,080**	**.85**	**6.70**	**156.7**	**40.99**	**—**	**—**	**—**	**—**	**—**	**—**
James De Young (MI)	169	13,080	.85	6.70	156.7	40.99	—	—	—	—	—	—
Holyoke Water Power Co	**225**	**13,205**	**.93**	**6.97**	**175.0**	**46.21**	**99**	**13,246**	**.84**	**7.24**	**170.6**	**45.20**
Mount Tom (MA)	225	13,205	.93	6.97	175.0	46.21	99	13,246	.84	7.24	170.6	45.20
Hoosier Energy R E C Inc	**3,731**	**11,168**	**2.92**	**10.11**	**125.1**	**27.94**	**128**	**11,175**	**2.47**	**9.90**	**86.4**	**19.30**
Frank E Ratts (IN)	624	11,173	1.35	7.99	133.6	29.84	—	—	—	—	—	—
Merom (IN)	3,107	11,167	3.23	10.53	123.4	27.56	128	11,175	2.47	9.90	86.4	19.30
Houston Lighting & Power Co	**19,714**	**7,704**	**.67**	**10.58**	**145.7**	**22.45**	**345**	**8,574**	**.39**	**5.50**	**110.7**	**18.98**
Limestone (TX)	8,938	6,592	1.05	17.06	102.9	13.56	—	—	—	—	—	—
Parish (TX)	10,776	8,626	.36	5.20	172.9	29.82	345	8,574	.39	5.50	110.7	18.98

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
IES Utilities Co	**1,844**	**8,408**	**0.33**	**5.82**	**99.8**	**16.78**	**3,755**	**8,540**	**0.37**	**5.54**	**79.9**	**13.65**
6th St (IA)	12	9,455	.28	3.90	141.5	26.76	165	10,365	.61	5.04	150.2	31.14
Praire Creek (IA)	187	8,384	.35	5.89	83.7	14.03	780	8,514	.34	5.42	85.7	14.60
Sutherland (IA)	41	8,734	.30	5.49	72.6	12.68	534	8,782	.37	5.56	77.9	13.68
Burlington (IA)	56	8,364	.45	5.38	76.6	12.81	634	8,298	.43	5.49	79.8	13.24
Ottumwa (IA)	1,549	8,396	.33	5.85	102.9	17.28	1,642	8,384	.34	5.66	69.2	11.60
Illinois Power Co	**6,151**	**10,904**	**2.13**	**9.71**	**114.3**	**24.92**	**52**	**11,122**	**2.27**	**8.62**	**138.4**	**30.80**
Baldwin (IL)	3,911	10,676	2.77	10.16	105.2	22.46	—	—	—	—	—	—
Havana (IL)	765	11,656	.51	9.34	139.5	32.52	—	—	—	—	—	—
Hennepin (IL)	493	10,461	2.08	9.23	117.1	24.50	33	10,662	3.39	8.64	143.2	30.54
Vermilion (IL)	314	10,733	1.29	9.28	105.3	22.60	—	—	—	—	—	—
Wood River (IL)	668	11,785	.73	8.10	136.1	32.07	20	11,890	.39	8.60	131.3	31.22
Independence City of	**128**	**10,632**	**3.67**	**17.31**	**124.8**	**26.53**	**15**	**11,245**	**2.39**	**10.17**	**193.2**	**43.46**
Blue Valley (MO)	128	10,632	3.67	17.31	124.8	26.53	15	11,245	2.39	10.17	193.2	43.46
Indiana-Kentucky Electric Corp	**3,450**	**10,166**	**.33**	**4.94**	**119.7**	**24.33**	**1,610**	**9,550**	**1.20**	**6.98**	**102.6**	**19.59**
Clifty Creek (IN)	3,450	10,166	.33	4.94	119.7	24.33	1,610	9,550	1.20	6.98	102.6	19.59
Indiana Michigan Power Co	**9,101**	**9,296**	**.35**	**5.01**	**111.0**	**20.64**	**2,703**	**11,858**	**.88**	**10.21**	**114.2**	**27.09**
Tanners Creek (IN)	1,395	12,309	1.01	7.80	124.7	30.70	1,007	12,212	1.07	9.51	117.7	28.75
Rockport (IN)	7,706	8,751	.23	4.50	107.5	18.81	1,696	11,648	.78	10.63	112.0	26.09
Indianapolis Power & Light Co	**5,577**	**11,156**	**2.38**	**8.78**	**99.4**	**22.17**	**2,524**	**11,137**	**2.18**	**9.14**	**91.5**	**20.37**
Stout (IN)	1,323	11,127	1.23	8.07	112.6	25.06	495	10,947	1.11	8.39	105.9	23.19
Pritchard (IN)	390	11,157	1.27	7.87	109.1	24.35	286	10,863	1.15	8.75	101.5	22.04
Petersburg (IN)	3,864	11,165	2.89	9.11	93.8	20.96	1,743	11,236	2.65	9.42	85.9	19.30
Interstate Power Co	**347**	**11,620**	**.50**	**9.10**	**134.3**	**31.20**	**1,433**	**9,014**	**.41**	**5.97**	**102.3**	**18.44**
Dubuque (IA)	62	11,653	.50	9.02	139.4	32.49	111	11,589	.99	7.56	110.8	25.69
Lansing (IA)	—	—	—	—	—	—	1,093	8,813	.37	5.87	101.2	17.84
Kapp (IA)	285	11,613	.50	9.12	133.1	30.92	229	8,721	.33	5.65	101.9	17.77
Jacksonville Electric Auth	**2,794**	**12,273**	**1.06**	**8.35**	**158.3**	**38.86**	**386**	**12,715**	**1.19**	**8.50**	**132.3**	**33.65**
St Johns River (FL)	2,794	12,273	1.06	8.35	158.3	38.86	386	12,715	1.19	8.50	132.3	33.65
Jamestown City of	**—**	**—**	**—**	**—**	**—**	**—**	**89**	**12,703**	**1.79**	**9.55**	**128.2**	**32.58**
Samuel A Carlson (NY)	—	—	—	—	—	—	89	12,703	1.79	9.55	128.2	32.58
Kansas City City of	**1,361**	**8,460**	**.38**	**5.31**	**76.1**	**12.88**	**39**	**8,770**	**.25**	**4.37**	**91.1**	**15.98**
Quindaro (KS)	572	8,757	.33	5.36	87.8	15.37	39	8,770	.25	4.37	91.1	15.98
Nearman (KS)	789	8,244	.42	5.28	67.1	11.07	—	—	—	—	—	—
Kansas City Power & Light Co	**2,829**	**8,749**	**.33**	**5.52**	**75.1**	**13.15**	**7,486**	**8,672**	**.50**	**5.84**	**72.8**	**12.63**
La Cygne (KS)	73	8,760	.32	5.42	80.0	14.01	5,396	8,639	.61	6.31	67.6	11.68
Hawthorne (MO)	6	8,757	.34	5.50	67.9	11.89	176	8,803	.26	5.02	68.0	11.98
Montrose (MO)	—	—	—	—	—	—	1,752	8,780	.20	4.58	90.6	15.90
Iatan (MO)	2,750	8,748	.33	5.52	75.0	13.13	162	8,482	.34	4.98	57.6	9.78
Kansas Power & Light Co	**10,558**	**8,601**	**.35**	**4.84**	**109.3**	**18.79**	**237**	**10,354**	**.34**	**5.56**	**124.1**	**25.71**
Lawrence (KS)	1,082	9,850	.39	5.35	104.8	20.65	178	10,321	.34	5.50	120.0	24.77
Tecumseh (KS)	587	9,633	.37	4.83	99.4	19.16	59	10,454	.34	5.76	136.4	28.53
Jeffrey Energy Cnt (KS)	8,889	8,380	.35	4.78	110.6	18.54	—	—	—	—	—	—
Kentucky Power Co	**2,153**	**12,233**	**1.11**	**10.06**	**109.3**	**26.73**	**1,065**	**12,177**	**1.09**	**10.25**	**98.2**	**23.92**
Big Sandy (KY)	2,153	12,233	1.11	10.06	109.3	26.73	1,065	12,177	1.09	10.25	98.2	23.92
Kentucky Utilities Co	**3,742**	**12,100**	**1.61**	**11.18**	**111.6**	**27.01**	**4,080**	**11,921**	**1.27**	**10.96**	**111.1**	**26.48**
Brown (KY)	381	12,140	1.31	12.41	116.8	28.36	1,381	12,303	1.42	10.84	114.9	28.28
Ghent (KY)	3,361	12,095	1.65	11.04	111.0	26.86	2,119	11,712	1.03	11.07	110.1	25.78
Green River (KY)	—	—	—	—	—	—	470	11,543	2.04	11.29	100.4	23.17
Tyrone (KY)	—	—	—	—	—	—	109	12,779	.85	8.72	123.9	31.66

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Lakeland City of	**617**	**12,858**	**1.39**	**9.00**	**174.8**	**44.96**	**173**	**12,580**	**1.41**	**8.57**	**170.0**	**42.77**
Plant 3-Mcintosh (FL)	617	12,858	1.39	9.00	174.8	44.96	173	12,580	1.41	8.57	170.0	42.77
Lansing City of	**1,123**	**10,229**	**.50**	**6.56**	**145.4**	**29.74**	**250**	**12,665**	**.85**	**9.23**	**156.6**	**39.67**
Eckert (MI)	824	9,383	.36	5.86	139.0	26.09	77	12,650	.85	8.48	157.0	39.72
Erickson (MI)	299	12,563	.87	8.51	158.5	39.82	173	12,673	.85	9.56	156.4	39.64
Los Angeles City of	**4,885**	**11,738**	**.51**	**9.12**	**144.9**	**34.01**	**13**	**11,564**	**.49**	**11.10**	**91.9**	**21.25**
Intermountain (UT)	4,885	11,738	.51	9.12	144.9	34.01	13	11,564	.49	11.10	91.9	21.25
Louisville Gas & Electric Co	**6,436**	**11,255**	**3.38**	**12.49**	**95.8**	**21.57**	**354**	**11,759**	**3.23**	**13.79**	**81.0**	**19.06**
Cane Run (KY)	1,473	11,385	3.39	11.16	100.2	22.81	—	—	—	—	—	—
Mill Creek (KY)	3,430	11,220	3.36	12.28	96.4	21.62	219	12,071	3.67	11.82	82.1	19.81
Trimble County (KY)	1,532	11,209	3.41	14.25	90.4	20.28	135	11,253	2.52	16.99	79.2	17.84
Lower Colorado River Authority	**5,856**	**8,589**	**.34**	**5.50**	**92.8**	**15.94**	**2,140**	**8,491**	**.33**	**5.49**	**92.5**	**15.71**
S Seymour-Fayette (TX)	5,856	8,589	.34	5.50	92.8	15.94	2,140	8,491	.33	5.49	92.5	15.71
Madison Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**142**	**10,743**	**1.31**	**9.41**	**143.4**	**30.80**
Blount (WI)	—	—	—	—	—	—	142	10,743	1.31	9.41	143.4	30.80
Manitowoc Public Utilities	**—**	**—**	**—**	**—**	**—**	**—**	**119**	**12,929**	**1.36**	**7.11**	**161.5**	**41.75**
Manitowoc (WI)	—	—	—	—	—	—	119	12,929	1.36	7.11	161.5	41.75
Marquette City of	**156**	**9,817**	**.41**	**4.37**	**122.8**	**24.11**	**—**	**—**	**—**	**—**	**—**	**—**
Shiras (MI)	156	9,817	.41	4.37	122.8	24.11	—	—	—	—	—	—
Metropolitan Edison Co	**1,119**	**13,144**	**1.52**	**6.92**	**140.8**	**37.02**	**61**	**13,245**	**1.67**	**7.38**	**132.9**	**35.21**
Portland (PA)	664	13,088	1.64	7.02	142.9	37.41	34	13,243	1.67	7.38	134.8	35.69
Titus (PA)	455	13,225	1.35	6.78	137.8	36.45	27	13,247	1.67	7.38	130.6	34.61
Michigan South Central Pwr Agy	**27**	**11,760**	**3.27**	**11.44**	**159.1**	**37.41**	**91**	**12,063**	**3.19**	**11.10**	**153.9**	**37.13**
Project I (MI)	27	11,760	3.27	11.44	159.1	37.41	91	12,063	3.19	11.10	153.9	37.13
MidAmerican Energy	**11,423**	**8,430**	**.34**	**5.26**	**74.1**	**12.49**	**1,053**	**8,582**	**.29**	**4.41**	**72.4**	**12.43**
Riverside (IA)	452	8,435	.32	5.13	85.8	14.47	—	—	—	—	—	—
Council Bluffs (IA)	2,981	8,363	.35	5.01	63.9	10.69	—	—	—	—	—	—
George Neal 1-4 (IA)	5,286	8,504	.34	5.27	72.6	12.36	1,053	8,582	.29	4.41	72.4	12.43
Louisa (IA)	2,704	8,359	.34	5.51	86.1	14.40	—	—	—	—	—	—
Minnesota Power & Light Co	**3,679**	**9,054**	**.55**	**6.35**	**114.5**	**20.74**	**220**	**8,801**	**.48**	**6.88**	**124.4**	**21.89**
Laskin Energy Center (MN)	257	9,370	.38	4.42	121.3	22.74	23	8,911	.19	4.22	135.1	24.08
Boswell Energy Center (MN)	3,422	9,031	.56	6.50	114.0	20.59	196	8,788	.51	7.20	123.1	21.63
Minnkota Power Coop Inc	**4,468**	**6,641**	**.89**	**8.92**	**58.2**	**7.73**	**—**	**—**	**—**	**—**	**—**	**—**
Young (ND)	4,468	6,641	.89	8.92	58.2	7.73	—	—	—	—	—	—
Mississippi Power Co	**3,541**	**10,461**	**.82**	**5.60**	**144.9**	**30.31**	**1,844**	**11,473**	**.51**	**7.65**	**152.5**	**35.00**
Watson (MS)	1,592	11,772	1.37	6.96	141.5	33.32	633	11,774	.53	4.26	142.4	33.53
Daniel (MS)	1,949	9,390	.36	4.49	148.3	27.85	1,211	11,316	.50	9.42	158.1	35.77
Monongahela Power Co	**12,637**	**12,522**	**3.04**	**10.83**	**105.1**	**26.33**	**708**	**12,742**	**2.43**	**10.43**	**95.7**	**24.40**
Albright (WV)	299	12,454	1.53	12.48	105.3	26.22	162	12,603	1.59	11.98	103.3	26.05
Ft Martin (WV)	3,046	12,811	1.71	8.93	103.5	26.52	—	—	—	—	—	—
Harrison (WV)	5,444	12,473	3.45	11.94	112.6	28.08	306	12,556	3.63	12.07	83.9	21.06
Rivesville (WV)	171	12,120	.99	12.22	118.0	28.61	—	—	—	—	—	—
Willow Island (WV)	320	13,154	1.53	7.06	109.4	28.78	240	13,073	1.46	7.28	105.3	27.54
Pleasants (WV)	3,358	12,306	3.96	10.89	93.4	23.00	—	—	—	—	—	—
Montana-Dakota Utilities Co	**3,157**	**6,972**	**1.00**	**8.34**	**81.6**	**11.37**	*****	**7,072**	**.64**	**6.81**	**54.2**	**7.67**
Heskett (ND)	500	7,067	.72	6.96	103.3	14.60	*	7,072	.64	6.81	54.2	7.67
Lewis and Clark (MT)	215	6,714	.52	8.00	89.2	11.98	—	—	—	—	—	—
Coyote (ND)	2,442	6,975	1.10	8.65	76.4	10.66	—	—	—	—	—	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Montana Power Co	**10,202**	**8,471**	**0.73**	**9.75**	**72.4**	**12.27**	—	—	—	—	—	—
Corette (MT)	640	8,675	.21	4.46	58.8	10.21	—	—	—	—	—	—
Colstrip (MT)	9,562	8,458	.77	10.10	73.3	12.41	—	—	—	—	—	—
Montaup Electric Co	—	—	—	—	—	—	**70**	**12,891**	**0.67**	**7.98**	**172.3**	**44.42**
Somerset (MA)	—	—	—	—	—	—	70	12,891	.67	7.98	172.3	44.42
Muscatine City of	**1,146**	**8,244**	**.89**	**6.66**	**77.0**	**12.69**	—	—	—	—	—	—
Muscatine (IA)	1,146	8,244	.89	6.66	77.0	12.69	—	—	—	—	—	—
Nebraska Public Power District	**6,048**	**8,614**	**.26**	**4.49**	**49.2**	**8.48**	**3**	**11,378**	**.26**	**7.40**	**127.4**	**28.99**
Sheldon (NE)	915	8,751	.21	4.62	62.8	10.99	3	11,378	.26	7.40	127.4	28.99
Gerald Gentleman (NE)	5,133	8,590	.27	4.47	46.7	8.03	—	—	—	—	—	—
Nevada Power Co	**1,771**	**11,628**	**.45**	**8.83**	**117.5**	**27.32**	**134**	**11,978**	**.61**	**10.08**	**114.4**	**27.42**
Gardner (NV)	1,771	11,628	.45	8.83	117.5	27.32	134	11,978	.61	10.08	114.4	27.42
New York State Elec & Gas Corp	**733**	**13,102**	**2.39**	**7.45**	**133.7**	**35.04**	**419**	**12,746**	**1.93**	**9.63**	**135.3**	**34.48**
Goudey (NY)	—	—	—	—	—	—	77	13,417	2.28	6.82	140.3	37.65
Greenidge (NY)	70	13,240	1.50	6.69	140.6	37.24	49	13,242	1.47	6.92	142.4	37.71
Hickling (NY)	—	—	—	—	—	—	67	10,366	.83	22.65	126.6	26.25
Jennison (NY)	—	—	—	—	—	—	1	11,033	.83	21.36	146.3	32.28
Milliken (NY)	186	13,059	2.30	7.39	135.1	35.27	66	13,113	2.61	7.89	135.5	35.53
Kintigh (NY)	477	13,099	2.56	7.58	132.2	34.63	158	13,140	2.09	6.92	133.3	35.02
Niagara Mohawk Power Corp	**1,047**	**13,133**	**1.88**	**7.09**	**137.9**	**36.22**	**54**	**13,268**	**2.18**	**6.94**	**122.0**	**32.36**
Huntley (NY)	548	13,106	1.79	7.02	143.2	37.54	—	—	—	—	—	—
Dunkirk (NY)	499	13,163	1.98	7.17	132.0	34.76	54	13,268	2.18	6.94	122.0	32.36
Northern Indiana Pub Serv Co	**8,129**	**9,936**	**1.29**	**6.93**	**125.9**	**25.02**	**832**	**10,442**	**1.56**	**7.77**	**114.6**	**23.94**
Bailly (IN)	1,081	10,849	2.56	8.44	131.6	28.56	292	11,449	2.38	9.96	123.0	28.16
Mitchell (IN)	947	9,312	.40	5.64	133.6	24.89	97	8,807	.33	5.44	106.0	18.66
Michigan City (IN)	976	9,746	.51	5.90	143.1	27.90	274	8,765	.24	5.78	99.2	17.39
Rollin Schahfer (IN)	5,125	9,894	1.34	7.05	120.0	23.74	170	12,354	2.99	8.55	122.6	30.29
Northern States Power Co	**11,669**	**8,805**	**.40**	**6.29**	**106.5**	**18.76**	**609**	**9,109**	**.44**	**5.64**	**120.5**	**21.95**
Black Dog (MN)	816	8,876	.19	4.39	99.1	17.60	12	11,803	.49	7.50	127.2	30.03
High Bridge (MN)	719	8,856	.19	4.51	99.5	17.63	—	—	—	—	—	—
King (MN)	1,645	8,882	.28	5.23	106.6	18.94	—	—	—	—	—	—
Riverside (MN)	1,228	8,864	.19	4.44	94.0	16.66	—	—	—	—	—	—
Bay Front (WI)	—	—	—	—	—	—	74	11,715	.58	6.11	166.2	38.94
Sherburne County (MN)	7,260	8,765	.51	7.23	110.2	19.31	524	8,682	.43	5.54	111.6	19.37
Ohio Edison Co	**4,276**	**12,017**	**1.45**	**13.22**	**116.2**	**27.94**	**2,792**	**12,774**	**1.79**	**9.72**	**106.9**	**27.32**
Niles (OH)	449	12,018	2.70	12.40	110.0	26.44	91	10,779	3.60	15.48	87.4	18.84
Burger (OH)	566	12,414	3.87	9.87	89.1	22.12	213	12,108	1.53	12.87	99.9	24.18
Sammis (OH)	3,261	11,948	.85	13.92	122.0	29.15	2,489	12,904	1.75	9.24	108.1	27.90
Ohio Power Co	**11,220**	**11,707**	**2.70**	**11.91**	**180.4**	**42.24**	**3,284**	**12,406**	**1.68**	**11.14**	**115.0**	**28.53**
Muskingum (OH)	1,807	11,934	2.67	12.08	216.7	51.73	727	12,343	.89	12.36	126.0	31.09
Kammer (WV)	1,220	12,254	3.48	10.49	88.3	21.65	325	12,991	1.42	6.89	102.5	26.63
Mitchell (WV)	2,453	12,421	.76	11.64	151.7	37.67	1,334	12,367	.83	11.92	115.7	28.63
Gavin (OH)	5,740	11,214	3.38	12.27	203.2	45.57	898	12,304	3.67	10.53	109.8	27.01
Ohio Valley Electric Corp	**1,998**	**12,990**	**2.41**	**7.67**	**111.0**	**28.85**	**1,082**	**12,582**	**2.45**	**8.93**	**110.4**	**27.78**
Kyger Creek (OH)	1,998	12,990	2.41	7.67	111.0	28.85	1,082	12,582	2.45	8.93	110.4	27.78
Oklahoma Gas & Electric Co	**11,496**	**8,619**	**.30**	**5.31**	**82.2**	**14.17**	—	—	—	—	—	—
Muskogee (OK)	6,530	8,626	.29	5.22	84.7	14.61	—	—	—	—	—	—
Sooner (OK)	4,966	8,609	.31	5.43	79.0	13.60	—	—	—	—	—	—
Omaha Public Power District	**3,761**	**8,361**	**.34**	**5.74**	**58.1**	**9.71**	**1,135**	**8,400**	**.33**	**5.69**	**66.1**	**11.11**
North Omaha (NE)	1,066	8,395	.34	5.48	66.4	11.14	1,040	8,395	.33	5.73	67.2	11.28
Nebraska City (NE)	2,694	8,347	.34	5.84	54.7	9.14	96	8,456	.35	5.27	54.9	9.28

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Orange & Rockland Utils Inc	**230**	**12,934**	**0.58**	**8.02**	**186.3**	**48.20**	**38**	**13,200**	**0.68**	**7.34**	**169.2**	**44.66**
Lovett (NY)	230	12,934	.58	8.02	186.3	48.20	38	13,200	.68	7.34	169.2	44.66
Orlando Utilities Comm	**1,877**	**12,792**	**1.09**	**8.63**	**168.9**	**43.22**	**238**	**12,920**	**1.20**	**7.94**	**163.8**	**42.32**
Stanton Energy (FL)	1,877	12,792	1.09	8.63	168.9	43.22	238	12,920	1.20	7.94	163.8	42.32
Orrville City of	**186**	**11,609**	**3.50**	**10.19**	**101.2**	**23.50**	**—**	**—**	**—**	**—**	**—**	**—**
Orrville (OH)	186	11,609	3.50	10.19	101.2	23.50	—	—	—	—	—	—
Otter Tail Power Co	**1,672**	**8,679**	**.63**	**9.03**	**93.0**	**16.15**	**737**	**8,824**	**.42**	**6.00**	**111.0**	**19.58**
Hoot Lake (MN)	—	—	—	—	—	—	350	9,273	.40	4.73	125.7	23.31
Big Stone (SD)	1,672	8,679	.63	9.03	93.0	16.15	387	8,418	.43	7.14	96.3	16.21
Owensboro City of	**1,303**	**10,986**	**3.37**	**11.54**	**94.0**	**20.65**	**1**	**11,386**	**2.55**	**10.10**	**68.1**	**15.51**
Smith (KY)	1,303	10,986	3.37	11.54	94.0	20.65	1	11,386	2.55	10.10	68.1	15.51
PacifiCorp	**28,856**	**9,588**	**.57**	**9.96**	**92.1**	**17.67**	**1,917**	**9,141**	**.35**	**4.47**	**106.7**	**19.51**
Carbon (UT)	567	12,220	.43	8.41	58.1	14.19	2	11,877	.73	10.60	50.0	11.88
Centralia (WA)	3,984	7,803	.90	15.05	171.0	26.68	1,502	9,342	.34	4.22	122.7	22.93
Johnston (WY)	3,304	7,899	.46	8.70	47.2	7.45	413	8,397	.36	5.34	42.3	7.11
Naughton (WY)	2,529	9,977	.75	4.92	115.5	23.05	—	—	—	—	—	—
Wyodak (WY)	2,080	8,023	.53	6.69	73.6	11.81	—	—	—	—	—	—
Emery-Hunter (UT)	4,305	11,561	.47	11.28	72.8	16.84	—	—	—	—	—	—
Jim Bridger (WY)	9,168	9,343	.54	10.08	100.0	18.68	—	—	—	—	—	—
Huntington (UT)	2,919	12,060	.39	9.09	62.8	15.14	—	—	—	—	—	—
Painesville City of	**92**	**12,528**	**2.52**	**8.36**	**131.7**	**32.99**	**—**	**—**	**—**	**—**	**—**	**—**
Painesville (OH)	92	12,528	2.52	8.36	131.7	32.99	—	—	—	—	—	—
Pennsylvania Electric Co	**11,121**	**12,390**	**1.97**	**13.18**	**118.4**	**29.34**	**1,558**	**12,469**	**2.28**	**12.77**	**97.1**	**24.22**
Conemaugh (PA)	3,967	12,691	2.27	11.31	107.0	27.16	714	12,476	2.41	13.41	92.5	23.08
Homer City (PA)	1,172	11,284	2.41	20.11	119.5	26.96	150	10,829	2.91	21.74	95.1	20.61
Seward (PA)	322	12,294	1.62	14.25	110.0	27.05	—	—	—	—	—	—
Shawville (PA)	1,286	12,342	1.78	13.25	114.0	28.14	25	12,287	1.89	13.29	100.1	24.60
Warren (PA)	78	12,278	1.76	11.51	117.5	28.86	49	12,303	1.79	12.66	114.6	28.21
Keystone (PA)	4,296	12,438	1.66	12.93	130.9	32.55	621	12,877	2.03	9.87	101.2	26.07
Pennsylvania Power & Light Co	**4,714**	**12,905**	**1.61**	**9.68**	**143.2**	**36.95**	**2,450**	**12,487**	**1.69**	**12.67**	**126.9**	**31.69**
Brunner Island (PA)	2,713	12,893	1.38	9.34	146.0	37.64	376	12,921	1.26	9.68	132.3	34.20
Holtwood (PA)	—	—	—	—	—	—	1	11,090	1.16	23.20	133.3	29.57
Martins Creek (PA)	—	—	—	—	—	—	344	13,191	2.03	8.13	124.7	32.89
Montour (PA)	1,945	12,928	1.93	10.13	140.8	36.39	1,340	12,701	1.89	11.96	130.1	33.05
Sunbury (PA)	56	12,725	1.76	10.62	89.2	22.69	389	10,713	1.12	21.98	109.9	23.54
Pennsylvania Power Co	**4,489**	**12,053**	**3.31**	**12.47**	**167.2**	**40.30**	**515**	**11,997**	**4.03**	**13.09**	**106.3**	**25.51**
New Castle (PA)	658	11,967	1.64	11.98	115.8	27.73	—	—	—	—	—	—
Bruce Mansfield (PA)	3,831	12,067	3.59	12.55	175.9	42.46	515	11,997	4.03	13.09	106.3	25.51
Philadelphia Electric Co	**1,218**	**13,215**	**1.84**	**7.61**	**144.8**	**38.26**	**42**	**13,051**	**1.74**	**7.63**	**137.3**	**35.84**
Cromby (PA)	201	13,247	1.83	7.66	144.0	38.16	42	13,051	1.74	7.63	137.3	35.84
Eddystone (PA)	1,017	13,208	1.84	7.60	144.9	38.28	—	—	—	—	—	—
Plains Elec Gen&Trans Coop Inc	**926**	**9,260**	**.84**	**17.25**	**131.5**	**24.35**	**—**	**—**	**—**	**—**	**—**	**—**
Escalante (NM)	926	9,260	.84	17.25	131.5	24.35	—	—	—	—	—	—
Platte River Power Authority	**1,277**	**8,807**	**.25**	**5.44**	**59.9**	**10.55**	**50**	**8,758**	**.19**	**4.57**	**60.1**	**10.53**
Rawhide (CO)	1,277	8,807	.25	5.44	59.9	10.55	50	8,758	.19	4.57	60.1	10.53
Portland General Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**2,326**	**8,961**	**.39**	**6.41**	**107.9**	**19.34**
Boardman (OR)	—	—	—	—	—	—	2,326	8,961	.39	6.41	107.9	19.34
Potomac Edison Co	**78**	**12,350**	**.96**	**12.43**	**129.4**	**31.96**	**44**	**12,267**	**.98**	**13.35**	**132.0**	**32.38**
Smith (MD)	78	12,350	.96	12.43	129.4	31.96	44	12,267	.98	13.35	132.0	32.38

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Potomac Electric Power Co	**4,966**	**13,183**	**1.26**	**8.01**	**137.9**	**36.37**	**1,625**	**13,139**	**1.25**	**8.27**	**137.8**	**36.20**
Chalk (MD)	1,062	13,136	1.24	8.96	149.9	39.37	597	13,182	1.38	9.43	134.1	35.36
Dickerson (MD)	1,210	13,260	1.27	8.44	124.4	33.00	70	13,186	1.26	7.86	130.3	34.36
Morgantown (MD)	1,999	13,156	1.45	7.37	137.6	36.20	539	13,143	1.49	6.93	137.7	36.19
Potomac River (VA)	695	13,197	.76	7.68	144.4	38.11	419	13,063	.76	8.43	144.3	37.70
Public Service Co of Colorado	**9,715**	**9,459**	**.37**	**6.42**	**96.8**	**18.30**	**882**	**10,078**	**.42**	**6.60**	**91.6**	**18.47**
Arapahoe (CO)	520	8,814	.24	5.34	82.0	14.46	279	8,744	.37	5.35	84.5	14.77
Cameo (CO)	325	10,940	.59	15.30	117.3	25.68	—	—	—	—	—	—
Cherokee (CO)	1,726	11,361	.48	9.60	103.3	23.47	477	10,752	.46	7.53	90.5	19.47
Comanche (CO)	2,975	8,575	.29	4.38	93.7	16.06	—	—	—	—	—	—
Valmont (CO)	215	11,267	.49	9.60	109.9	24.76	126	10,480	.37	5.83	109.2	22.89
Hayden (CO)	1,363	10,618	.41	7.89	107.7	22.87	—	—	—	—	—	—
Pawnee (CO)	2,591	8,389	.34	4.70	85.5	14.34	—	—	—	—	—	—
PSI Energy Inc	**10,870**	**11,203**	**1.98**	**8.86**	**107.0**	**23.98**	**5,161**	**11,004**	**1.31**	**9.04**	**113.3**	**24.93**
Cayuga (IN)	1,717	10,943	1.77	9.71	109.9	24.05	1,329	10,838	.90	8.64	119.5	25.90
Edwardsport (IN)	31	11,222	.53	7.15	100.0	22.45	234	10,977	1.74	9.51	91.1	20.00
Noblesville (IN)	—	—	—	—	—	—	203	11,458	1.96	8.20	116.1	26.60
Gallagher (IN)	915	13,205	2.27	7.11	115.3	30.46	372	11,478	1.73	9.53	112.9	25.91
Wabash River (IN)	1,138	10,871	1.93	10.13	109.1	23.71	886	10,926	1.80	9.16	107.9	23.57
Gibson Station (IN)	7,069	11,060	2.00	8.68	104.8	23.18	2,138	11,017	1.17	9.18	113.9	25.10
Public Service Co of NH	**800**	**13,225**	**1.75**	**6.78**	**156.9**	**41.51**	**535**	**12,997**	**.75**	**5.60**	**143.2**	**37.23**
Merrimack (NH)	800	13,225	1.75	6.78	156.9	41.51	15	13,178	2.25	6.37	152.9	40.30
Schiller (NH)	—	—	—	—	—	—	520	12,992	.70	5.58	142.9	37.14
Public Service Co of NM	**6,623**	**9,303**	**.83**	**25.83**	**173.8**	**32.33**	**—**	**—**	**—**	**—**	**—**	**—**
San Juan (NM)	6,623	9,303	.83	25.83	173.8	32.33	—	—	—	—	—	—
Public Service Co of Oklahoma	**3,716**	**8,643**	**.21**	**4.59**	**118.0**	**20.40**	**—**	**—**	**—**	**—**	**—**	**—**
Northeastern (OK)	3,716	8,643	.21	4.59	118.0	20.40	—	—	—	—	—	—
Public Service Electric&Gas Co	**1,762**	**13,203**	**.79**	**8.47**	**141.2**	**37.29**	**149**	**13,744**	**.72**	**6.04**	**140.2**	**38.54**
Hudson (NJ)	876	12,644	.88	10.99	141.9	35.89	10	12,496	.82	11.10	141.2	35.29
Mercer (NJ)	885	13,756	.71	5.98	140.6	38.67	139	13,832	.72	5.69	140.1	38.76
Richmond City of	**316**	**12,022**	**2.71**	**8.97**	**123.9**	**29.79**	**18**	**11,508**	**2.19**	**12.35**	**128.1**	**29.47**
Whitewater (IN)	316	12,022	2.71	8.97	123.9	29.79	18	11,508	2.19	12.35	128.1	29.47
Rochester Public Utilities	**106**	**11,065**	**.88**	**8.85**	**158.5**	**35.08**	*****	**12,015**	**.82**	**6.32**	**142.4**	**34.22**
Silver Lake (MN)	106	11,065	.88	8.85	158.5	35.08	*	12,015	.82	6.32	142.4	34.22
Rochester Gas & Electric Corp	**513**	**13,213**	**2.14**	**7.06**	**139.3**	**36.81**	**66**	**12,922**	**2.12**	**9.27**	**150.1**	**38.79**
Beebee Station 3 (NY)	—	—	—	—	—	—	25	12,616	1.89	10.77	155.8	39.31
Russell Station 7 (NY)	513	13,213	2.14	7.06	139.3	36.81	41	13,108	2.26	8.35	146.8	38.47
Salt River Proj Ag I & P Dist	**10,843**	**10,684**	**.50**	**10.69**	**127.0**	**27.13**	**121**	**9,607**	**.44**	**12.15**	**144.9**	**27.83**
Navajo (AZ)	8,129	10,941	.53	9.44	116.7	25.54	—	—	—	—	—	—
Coronado (AZ)	2,714	9,915	.42	14.44	160.9	31.91	121	9,607	.44	12.15	144.9	27.83
San Antonio City of	**6,879**	**8,470**	**.33**	**5.73**	**96.2**	**16.29**	**—**	**—**	**—**	**—**	**—**	**—**
JT Deely/Spruce (TX)	6,879	8,470	.33	5.73	96.2	16.29	—	—	—	—	—	—
San Miguel Electric Coop Inc	**3,086**	**5,271**	**1.76**	**26.86**	**72.3**	**7.62**	**—**	**—**	**—**	**—**	**—**	**—**
San Miquel (TX)	3,086	5,271	1.76	26.86	72.3	7.62	—	—	—	—	—	—
Savannah Electric & Power Co	**—**	**—**	**—**	**—**	**—**	**—**	**792**	**12,033**	**.83**	**11.25**	**142.2**	**34.23**
Kraft (GA)	—	—	—	—	—	—	444	12,542	.75	7.21	139.6	35.01
McIntosh (GA)	—	—	—	—	—	—	348	11,384	.94	16.40	145.9	33.22
Seminole Electric Coop Inc	**2,160**	**12,077**	**2.94**	**7.63**	**171.7**	**41.46**	**949**	**13,251**	**2.66**	**7.08**	**143.1**	**37.93**
Seminole (FL)	2,160	12,077	2.94	7.63	171.7	41.46	949	13,251	2.66	7.08	143.1	37.93

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Sierra Pacific Power Co	**695**	**11,316**	**0.35**	**8.26**	**195.5**	**44.25**	**981**	**11,713**	**0.45**	**8.89**	**102.8**	**24.08**
North Valmy (NV)	695	11,316	.35	8.26	195.5	44.25	981	11,713	.45	8.89	102.8	24.08
Sikeston City of	**1,006**	**8,750**	**.34**	**5.55**	**100.5**	**17.59**	—	—	—	—	—	—
Sikeston (MO)	1,006	8,750	.34	5.55	100.5	17.59	—	—	—	—	—	—
South Carolina Electric&Gas Co	**4,835**	**12,760**	**1.07**	**9.10**	**150.1**	**38.30**	**1,243**	**12,606**	**1.19**	**9.86**	**145.5**	**36.67**
Canadys (SC)	291	12,792	1.32	9.09	150.7	38.56	148	12,822	1.28	8.39	144.5	37.06
Mcmeekin (SC)	677	12,933	1.22	9.01	150.5	38.92	10	12,263	1.66	11.08	148.8	36.51
Urguhart (SC)	474	12,974	1.23	8.71	156.4	40.58	148	12,904	1.25	9.54	150.5	38.84
Wateree (SC)	1,197	12,560	1.24	10.37	148.7	37.35	510	12,508	1.23	10.39	145.5	36.39
Williams (SC)	1,500	12,839	.76	7.98	151.1	38.79	90	12,941	.73	7.11	142.9	36.98
Cope (SC)	697	12,607	1.12	9.73	145.2	36.61	337	12,447	1.16	10.54	144.2	35.91
South Carolina Pub Serv Auth	**5,333**	**12,900**	**1.20**	**8.24**	**134.4**	**34.67**	**693**	**12,784**	**1.27**	**8.56**	**130.8**	**33.45**
Cross (SC)	2,472	12,827	1.11	8.27	133.7	34.29	214	12,792	1.13	7.82	129.4	33.11
Grainger (SC)	271	12,905	1.58	7.35	151.2	39.01	28	12,824	1.47	8.57	146.2	37.49
Jefferies (SC)	569	13,100	1.52	7.85	133.3	34.93	130	12,797	1.52	9.25	130.1	33.30
Winyah (SC)	2,021	12,932	1.15	8.43	133.3	34.48	322	12,770	1.25	8.77	130.7	33.38
South Mississippi El Pwr Assn	**1,038**	**12,381**	**.88**	**9.69**	**189.5**	**46.93**	—	—	—	—	—	—
R D Morrow (MS)	1,038	12,381	.88	9.69	189.5	46.93	—	—	—	—	—	—
Southern California Edison Co	**4,493**	**10,981**	**.49**	**9.79**	**130.5**	**28.65**	—	—	—	—	—	—
Mohave (NV)	4,493	10,981	.49	9.79	130.5	28.65	—	—	—	—	—	—
Southern Illinois Power Coop	**664**	**10,989**	**2.95**	**16.10**	**98.6**	**21.68**	**111**	**9,023**	**2.03**	**21.16**	**64.8**	**11.70**
Marion (IL)	664	10,989	2.95	16.10	98.6	21.68	111	9,023	2.03	21.16	64.8	11.70
Southern Indiana Gas & Elec Co	**2,693**	**11,518**	**3.81**	**9.17**	**95.4**	**21.97**	**90**	**11,670**	**1.43**	**6.78**	**126.9**	**29.61**
Culley (IN)	1,199	11,655	4.01	9.80	93.9	21.89	—	—	—	—	—	—
A B Brown (IN)	1,231	11,484	3.86	8.38	96.9	22.25	90	11,670	1.43	6.78	126.9	29.61
Warrick (IN)	262	11,047	2.66	9.95	94.9	20.96	—	—	—	—	—	—
Southwestern Electric Power Co	**8,815**	**7,685**	**.68**	**8.64**	**144.0**	**22.14**	**4,033**	**8,589**	**.25**	**4.61**	**136.2**	**23.40**
Flint Creek (AR)	1,295	8,527	.29	4.47	162.9	27.78	1,033	8,630	.24	4.55	114.9	19.83
Welsh Station (TX)	3,893	8,432	.34	4.70	162.3	27.37	3,000	8,575	.26	4.63	143.6	24.64
Pirkey (TX)	3,627	6,583	1.17	14.34	110.2	14.51	—	—	—	—	—	—
Southwestern Public Service Co	**8,833**	**8,796**	**.34**	**5.37**	**145.9**	**25.67**	**127**	**8,690**	**.33**	**5.34**	**112.6**	**19.57**
Harrington (TX)	4,397	8,910	.35	5.41	118.6	21.14	5	8,828	.34	5.39	116.5	20.57
Tolk (TX)	4,435	8,682	.33	5.33	173.7	30.15	121	8,683	.33	5.34	112.4	19.53
Springfield City of	**1,052**	**10,469**	**3.13**	**9.41**	**109.2**	**22.87**	**59**	**10,288**	**1.13**	**7.88**	**129.9**	**26.72**
Dallman (IL)	954	10,469	3.13	9.41	109.2	22.87	59	10,288	1.13	7.88	129.9	26.72
Lakeside (IL)	97	10,476	3.12	9.44	109.2	22.87	—	—	—	—	—	—
Springfield City of	**1,757**	**9,163**	**.26**	**4.47**	**107.3**	**19.67**	—	—	—	—	—	—
James River (MO)	950	9,373	.33	4.60	112.6	21.10	—	—	—	—	—	—
Southwest (MO)	807	8,914	.18	4.32	100.8	17.97	—	—	—	—	—	—
St Joseph Light & Power Co	—	—	—	—	—	—	**457**	**9,606**	**.30**	**5.49**	**94.4**	**18.13**
Lakeroad (MO)	—	—	—	—	—	—	457	9,606	.30	5.49	94.4	18.13
Sunflower Electric Coop Inc	**1,561**	**8,465**	**.31**	**5.39**	**106.1**	**17.96**	—	—	—	—	—	—
Holcomb (KS)	1,561	8,465	.31	5.39	106.1	17.96	—	—	—	—	—	—
Tampa Electric Co[4]	**4,509**	**11,979**	**2.17**	**8.23**	**161.1**	**38.60**	**2,222**	**11,056**	**1.59**	**6.46**	**127.2**	**28.12**
Gannon (FL)	471	12,647	1.17	7.97	253.7	64.18	—	—	—	—	—	—
Davant Transfer (LA)	4,038	11,901	2.29	8.26	149.6	35.62	2,222	11,056	1.59	6.46	127.2	28.12
Tennessee Valley Authority[5]	**37,610**	**11,429**	**2.02**	**10.57**	**111.3**	**25.44**	**4,413**	**12,258**	**1.78**	**10.00**	**116.8**	**28.65**
Colbert (AL)	1,026	12,153	2.04	11.52	107.3	26.07	10	11,964	.95	12.37	124.2	29.71

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Tennessee Valley Authority[5]												
Widows Creek (AL)	1,844	11,990	2.59	10.37	117.0	28.07	1,331	12,414	2.41	10.15	115.3	28.62
Paradise (KY)	6,318	10,639	4.31	19.14	95.1	20.23	138	10,859	4.48	15.97	91.2	19.81
Shawnee (KY)	3,184	11,360	.45	7.86	129.0	29.32	604	11,756	1.27	9.37	118.3	27.81
Bull Run (TN)	1,410	12,450	1.27	10.28	115.5	28.76	366	12,857	1.21	8.37	115.6	29.73
Cumberland (TN)	6,953	11,721	2.83	9.20	109.0	25.56	212	12,537	2.58	9.90	107.6	26.98
Gallatin (TN)	88	12,756	2.52	8.28	112.6	28.73	—	—	—	—	—	—
Sevier (TN)	1,904	12,728	1.56	10.15	129.0	32.85	186	12,590	1.62	12.30	124.5	31.35
Johnsonville (TN)	1,371	12,356	1.76	7.35	104.3	25.77	—	—	—	—	—	—
Kingston (TN)	3,133	12,358	1.33	10.39	125.8	31.08	970	12,581	1.40	9.63	124.6	31.36
GRT Terminal (TN)	8,124	10,856	.98	7.92	107.7	23.39	413	11,545	1.24	9.56	112.0	25.87
Cora Transfer (TN)	2,255	10,483	.47	6.71	108.1	22.66	152	11,981	.60	10.59	114.3	27.38
Cahokia (AL)	—	—	—	—	—	—	30	11,383	.40	9.21	112.4	25.58
Texas Municipal Power Agency	**1,919**	**8,429**	**.33**	**5.62**	**120.2**	**20.26**	**1**	**8,866**	**.23**	**4.37**	**112.8**	**20.00**
Gibbons Creek (TX)	1,919	8,429	.33	5.62	120.2	20.26	1	8,866	.23	4.37	112.8	20.00
Texas-New Mexico Power Co	**1,640**	**6,771**	**.91**	**18.14**	**143.3**	**19.41**	**—**	**—**	**—**	**—**	**—**	**—**
TNP One (Tx)	1,640	6,771	.91	18.14	143.3	19.41	—	—	—	—	—	—
Texas Utilities Electric Co[6]	**34,427**	**6,451**	**.82**	**15.18**	**99.0**	**12.78**	**127**	**8,325**	**.39**	**5.09**	**122.7**	**20.43**
Big Brown (TX)	4,972	6,407	.74	15.39	111.5	14.28	—	—	—	—	—	—
Martin Lake (TX)	14,006	6,501	1.05	13.43	80.7	10.50	127	8,325	.39	5.09	122.7	20.43
Monticello (TX)	11,628	6,263	.47	16.75	115.1	14.42	—	—	—	—	—	—
Sandow No 4 (TX)	3,821	6,892	1.15	16.53	103.0	14.20	—	—	—	—	—	—
Toledo Edison Co	**—**	**—**	**—**	**—**	**—**	**—**	**1,862**	**8,878**	**.26**	**5.21**	**116.7**	**20.73**
Bay Shore (OH)	—	—	—	—	—	—	1,862	8,878	.26	5.21	116.7	20.73
Tri State G & T Assn Inc	**4,407**	**10,260**	**.44**	**7.31**	**112.9**	**23.17**	**608**	**10,235**	**.45**	**7.39**	**57.6**	**11.79**
Nucla (CO)	359	10,786	.84	19.80	109.7	23.66	—	—	—	—	—	—
Craig (CO)	4,047	10,213	.41	6.20	113.2	23.13	608	10,235	.45	7.39	57.6	11.79
Tucson Electric Power Co	**3,252**	**9,279**	**.85**	**16.93**	**144.2**	**26.77**	**270**	**11,316**	**.47**	**9.64**	**204.7**	**46.33**
Irvington (AZ)	20	10,195	.41	12.14	278.3	56.75	270	11,316	.47	9.64	204.7	46.33
Springerville (AZ)	3,232	9,273	.85	16.96	143.3	26.58	—	—	—	—	—	—
Union Electric Co	**3,820**	**9,131**	**.36**	**4.91**	**109.9**	**20.08**	**13,969**	**8,840**	**.39**	**5.26**	**94.0**	**16.62**
Labadie (MO)	2,157	8,749	.22	4.51	97.5	17.07	6,266	8,757	.24	5.09	91.6	16.05
Meramec (MO)	1,556	9,520	.50	5.20	123.4	23.50	402	9,725	.54	4.76	121.2	23.58
Sioux (MO)	107	11,187	1.13	8.90	138.9	31.09	2,346	9,670	.89	5.77	105.6	20.43
Rush Island (MO)	—	—	—	—	—	—	4,955	8,480	.31	5.29	88.2	14.97
United Illuminating Co	**—**	**—**	**—**	**—**	**—**	**—**	**35**	**13,541**	**.61**	**4.85**	**169.3**	**45.85**
Bridgeport Harbor (CT)	—	—	—	—	—	—	35	13,541	.61	4.85	169.3	45.85
United Power Assn	**1,062**	**6,703**	**.67**	**9.83**	**69.7**	**9.35**	**—**	**—**	**—**	**—**	**—**	**—**
Stanton (ND)	1,062	6,703	.67	9.83	69.7	9.35	—	—	—	—	—	—
UtiliCorp United Inc	**1,318**	**9,474**	**.37**	**5.50**	**87.3**	**16.55**	**77**	**12,183**	**.44**	**7.99**	**112.5**	**27.42**
Sibley (MO)	1,318	9,474	.37	5.50	87.3	16.55	77	12,183	.44	7.99	112.5	27.42
Vineland City of	**7**	**12,842**	**.78**	**6.21**	**193.0**	**49.58**	**—**	**—**	**—**	**—**	**—**	**—**
H M Down (NJ)	7	12,842	.78	6.21	193.0	49.58	—	—	—	—	—	—
Virginia Electric & Power Co	**10,752**	**12,556**	**1.56**	**11.16**	**126.0**	**31.64**	**2,861**	**12,653**	**1.70**	**9.52**	**131.3**	**33.22**
Bremo Bluff (VA)	412	12,535	1.77	9.31	141.8	35.56	133	12,520	1.85	9.31	139.2	34.86
Chesterfield (VA)	1,922	12,706	1.65	8.17	141.3	35.91	822	12,714	1.82	8.34	137.9	35.07
Chesapeake Energy (VA)	1,467	12,903	1.27	8.47	138.2	35.68	213	12,977	1.33	7.59	138.4	35.93
Possum Point (VA)	623	12,550	1.62	9.16	142.5	35.77	286	12,480	1.83	9.66	140.4	35.05
Yorktown (VA)	434	12,715	1.74	8.41	140.9	35.82	413	12,859	2.13	8.02	139.6	35.90
Mount Storm (WV)	3,771	12,338	1.78	14.93	111.8	27.59	468	12,398	1.77	14.03	115.6	28.66
Clover (VA)	1,976	12,710	1.03	9.31	118.8	30.21	526	12,620	1.14	9.28	117.9	29.77
North Branch (VA)	146	10,280	3.61	27.06	87.5	18.00	—	—	—	—	—	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1999 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
West Penn Power Co	**4,398**	**12,818**	**2.31**	**8.93**	**111.3**	**28.53**	**204**	**12,619**	**2.47**	**9.82**	**92.0**	**23.21**
Armstrong (PA)	686	12,358	1.77	11.03	105.5	26.07	88	12,701	2.15	9.07	100.2	25.46
Hatfield (PA)	3,162	13,020	2.23	8.07	109.9	28.62	—	—	—	—	—	—
Mitchell (PA)	550	12,229	3.40	11.26	127.1	31.10	116	12,556	2.71	10.38	85.6	21.50
West Texas Utilities Co	**2,036**	**8,388**	**.45**	**5.34**	**142.4**	**23.88**	**852**	**8,484**	**.34**	**5.37**	**101.0**	**17.14**
Oklaunion (TX)	2,036	8,388	.45	5.34	142.4	23.88	852	8,484	.34	5.37	101.0	17.14
Western Farmers Elec Coop Inc	**1,838**	**8,710**	**.28**	**5.00**	**104.8**	**18.26**	**—**	**—**	**—**	**—**	**—**	**—**
Hugo (OK)	1,838	8,710	.28	5.00	104.8	18.26	—	—	—	—	—	—
Wisconsin Electric Power Co	**10,461**	**9,467**	**.45**	**6.07**	**99.5**	**18.83**	**1,057**	**8,870**	**.20**	**4.59**	**95.4**	**16.92**
Presque Isle (MI)	1,773	10,305	.38	6.76	120.6	24.86	21	13,000	.79	7.95	146.5	38.09
Oak Creek (WI)	2,110	10,290	.65	6.86	117.6	24.20	1,036	8,787	.19	4.52	93.8	16.49
Port Washington (WI)	409	13,164	1.36	6.74	139.9	36.82	—	—	—	—	—	—
Valley (WI)	466	11,797	.53	8.82	151.9	35.85	—	—	—	—	—	—
Pleasant Prairie (WI)	5,703	8,446	.33	5.29	72.7	12.29	—	—	—	—	—	—
Wisconsin Power & Light Co	**1,888**	**8,722**	**.34**	**5.12**	**118.9**	**20.75**	**5,564**	**8,659**	**.35**	**5.23**	**97.5**	**16.89**
Edgewater (WI)	1,351	8,480	.34	5.50	117.5	19.93	1,446	9,069	.35	5.52	112.0	20.31
Nelson Dewey (WI)	513	9,334	.34	4.17	122.1	22.80	—	—	—	—	—	—
Rock River (WI)	23	9,307	.34	4.15	124.2	23.12	49	9,352	.39	4.80	128.8	24.08
Columbia (WI)	—	—	—	—	—	—	4,069	8,505	.35	5.13	91.6	15.59
Wisconsin Public Service Corp	**3,162**	**8,841**	**.25**	**4.82**	**104.8**	**18.53**	**350**	**8,638**	**.27**	**5.07**	**97.2**	**16.79**
Pulliam (WI)	1,419	8,906	.19	4.35	100.2	17.85	86	8,712	.26	4.71	105.1	18.32
Weston (WI)	1,743	8,788	.29	5.20	108.5	19.08	264	8,613	.27	5.18	94.6	16.30
Wyandotte Municipal Serv Comm	**129**	**12,704**	**1.00**	**9.16**	**144.9**	**36.81**	**—**	**—**	**—**	**—**	**—**	**—**
Wyandotte (MI)	129	12,704	1.00	9.16	144.9	36.81	—	—	—	—	—	—
Total	**740,039**	**10,054**	**1.01**	**9.20**	**123.1**	**24.74**	**168,193**	**10,701**	**.98**	**8.19**	**116.1**	**24.84**

1 Some coal destined for the Barry plant is reported by the Alabama Power Company as it is received at the Gorgas Transshipping Facility.
2 Most coal destined for the Crawford and Fisk plants is reported as delivered to the Will County plant. It is later transferred to Crawford and Fisk.
3 The cost reported under IMT Transfer (Louisiana) is the weighted average cost of coal delivered to this facility. Florida Power Corporation incurs additional costs for transporting coal from the transfer facility to the Crystal River power plant. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.
4 The cost reported under Davant Transfer (Louisiana) is the weighted average cost of coal delivered to this facility located in Louisiana. The Tampa Electric Company incurs additional costs for transporting this coal from Davant to its power plants which are located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.
5 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Nearly all of the coal delivered to the Cora facility was transferred to plants in Tennessee. About 1 percent was transferred to plants in Alabama. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 64 percent of the coal delivered to the GRT facility was transferred to plants in Tennessee. Approximately 36 percent was transferred to plants in Alabama. All coal delivered to GRT is shown in this report as being delivered to Tennessee.
6 Data for Texas Utilities Electric Company include lignite delivered for the Aluminium Company of America (ALCOA) portion of Unit 4 of the Sandow Plant.

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

electric and combined-cycle nameplate capacity of 50 or more megawatts.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Alabama Electric Coop Inc	**1,553**	**139.9**	**33.07**	**1.22**	**6**	**414.5**	**22.72**	**0.06**	**—**	**—**	**—**	**100**	*****	**—**
Lowman (AL)	1,553	139.9	33.07	1.22	6	414.5	22.72	.06	—	—	—	100	*	—
Alabama Power Co[3]	**24,398**	**154.8**	**33.12**	**.78**	**96**	**234.6**	**13.71**	**.03**	**2,174**	**295.1**	**2.98**	**99**	*****	*****
Barry (AL)	4,095	206.7	50.39	.71	—	—	—	—	507	269.9	2.74	99	—	1
Gadsden (AL)	240	153.6	38.14	1.85	*	268.4	15.72	.00	850	253.5	2.57	87	*	13
Gorgas 2 and 3 (AL)	3,273	147.4	35.29	1.37	19	242.3	14.31	.05	—	—	—	100	*	—
Greene (AL)	1,446	120.9	30.09	2.05	23	344.5	19.80	.03	40	332.4	3.41	100	*	*
Gaston (AL)	4,487	180.8	44.20	.95	44	191.6	11.22	.03	—	—	—	100	*	—
James Miller (AL)	10,856	122.3	21.66	.35	10	160.6	9.44	.00	778	355.5	3.57	100	*	*
Alexandria City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,929**	**248.2**	**2.59**	**—**	**—**	**100**
Alexandria-Hunter (LA)	—	—	—	—	—	—	—	—	1,929	248.2	2.59	—	—	100
American Mun Power Ohio Inc	**832**	**89.6**	**20.75**	**4.70**	**—**	**—**	**—**	**—**	**92**	**384.6**	**4.00**	**100**	**—**	*****
Gorsuch (OH)	832	89.6	20.75	4.70	—	—	—	—	92	384.6	4.00	100	—	*
Ames City of	**238**	**140.9**	**25.03**	**.18**	**11**	**398.8**	**23.00**	**.20**	**—**	**—**	**—**	**99**	**1**	**—**
Ames (IA)	238	140.9	25.03	.18	11	398.8	23.00	.20	—	—	—	99	1	—
Anchorage City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**6,597**	**201.5**	**2.02**	**—**	**—**	**100**
George Sullivan (AK)	—	—	—	—	—	—	—	—	6,597	201.5	2.02	—	—	100
Appalachian Power Co	**13,649**	**132.4**	**32.48**	**.75**	**185**	**461.4**	**26.91**	**.10**	**—**	**—**	**—**	**100**	*****	**—**
Clinch River (VA)	1,665	130.3	32.42	.71	10	431.5	25.30	.07	—	—	—	100	*	—
Glen Lyn (VA)	778	134.9	34.69	.88	27	378.7	22.02	.05	—	—	—	99	1	—
Amos (WV)	6,685	131.2	31.97	.77	100	472.7	27.72	.10	—	—	—	100	*	—
Kanawha River (WV)	906	130.7	31.76	.80	4	436.3	25.76	.07	—	—	—	100	*	—
Mountaineer (WV)	3,614	135.6	33.13	.67	44	495.9	28.50	.15	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc	**1,435**	**116.2**	**23.06**	**.46**	**—**	**—**	**—**	**—**	**2,710**	**224.4**	**2.29**	**91**	**—**	**9**
Apache (AZ)	1,435	116.2	23.06	.46	—	—	—	—	2,710	224.4	2.29	91	—	9
Arizona Public Service Co	**12,301**	**113.6**	**21.08**	**.67**	**57**	**464.1**	**26.84**	**.21**	**23,038**	**267.7**	**2.70**	**91**	*****	**9**
Cholla (AZ)	3,791	140.9	28.01	.46	1	413.9	24.01	.05	289	394.5	4.02	100	*	*
Ocotillo (AZ)	—	—	—	—	—	—	—	—	5,169	275.1	2.74	—	—	100
Phoenix (AZ)	—	—	—	—	56	465.0	26.90	.21	8,277	268.7	2.75	—	4	96
Saguaro (AZ)	—	—	—	—	—	—	—	—	4,559	271.8	2.77	—	—	100
Yucca (AZ)	—	—	—	—	—	—	—	—	4,033	234.1	2.31	—	—	100
Four Corners (NM)	8,510	100.1	17.99	.76	—	—	—	—	709	311.6	3.15	100	—	*
Arkansas Power & Light Co	**13,078**	**146.3**	**25.36**	**.27**	**97**	**333.8**	**19.76**	**.31**	**26,189**	**253.0**	**2.59**	**89**	*****	**11**
Moses (AR)	—	—	—	—	—	—	—	—	518	298.4	3.03	—	—	100
Couch (AR)	—	—	—	—	—	—	—	—	2,380	261.7	2.70	—	—	100
Lake Catherine (AR)	—	—	—	—	—	—	—	—	19,610	248.0	2.52	—	—	100
Ritchie (AR)	—	—	—	—	—	—	—	—	3,681	267.4	2.78	—	—	100
Whitebluff (AR)	6,281	159.9	27.11	.34	37	312.1	18.49	.34	—	—	—	100	*	—
Independence (AR)	6,797	134.3	23.74	.21	59	347.5	20.55	.29	—	—	—	100	*	—
Associated Electric Coop Inc	**9,141**	**83.2**	**14.78**	**.19**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Madrid (MO)	4,352	95.1	16.91	.19	—	—	—	—	—	—	—	100	—	—
Hill (MO)	4,789	72.3	12.85	.19	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co	**679**	**157.2**	**40.50**	**2.12**	**363**	**301.9**	**19.20**	**.93**	**414**	**309.7**	**3.21**	**87**	**11**	**2**
England (NJ)	565	157.4	40.56	2.38	362	301.9	19.19	.93	—	—	—	87	13	—
Deepwater (NJ)	114	156.0	40.20	.87	1	340.8	19.96	.11	414	309.7	3.21	87	*	13
Austin City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**30,086**	**259.3**	**2.64**	**—**	**—**	**100**
Decker Creek (TX)	—	—	—	—	—	—	—	—	20,528	257.3	2.63	—	—	100
Holly (TX)	—	—	—	—	—	—	—	—	9,558	263.5	2.67	—	—	100
Baltimore Gas & Electric Co	**5,544**	**139.4**	**35.48**	**.88**	**1,986**	**247.0**	**15.69**	**.92**	**6,125**	**328.1**	**3.41**	**88**	**8**	**4**
Brandon Shores (MD)	3,770	139.2	34.99	.71	23	411.4	24.08	.21	—	—	—	100	*	—
Crane (MD)	813	138.2	36.51	1.66	3	343.8	20.15	.28	19	375.7	3.89	100	*	*

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Baltimore Gas & Electric Co														
Gould St (MD)	—	—	—	—	83	202.2	12.86	0.96	789	319.7	3.33	—	39	61
Wagner (MD)	961	141.4	36.53	0.89	1,877	247.0	15.71	.93	4,792	330.8	3.44	59	29	12
Riverside (MD)	—	—	—	—	—	—	—	—	525	314.6	3.28	—	—	100
Basin Electric Power Coop	**16,434**	**57.9**	**8.58**	**.56**	**64**	**483.2**	**27.99**	**.34**	**—**	**—**	**—**	**100**	*	—
Leland Olds (ND)	3,598	76.5	10.20	.70	17	418.9	24.26	.34	—	—	—	100	*	—
Laramie River (WY)	7,406	44.3	7.41	.41	38	525.5	30.43	.34	—	—	—	100	*	—
Antelope Valley (ND)	5,430	68.9	9.09	.68	10	430.2	24.92	.34	—	—	—	100	*	—
Big Rivers Electric Corp	**263**	**103.5**	**23.65**	**2.58**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Reid-Henderson (KY)	263	103.5	23.65	2.58	—	—	—	—	—	—	—	100	—	—
Black Hills Corp	**496**	**42.7**	**6.90**	**.57**	**2**	**443.8**	**26.63**	**.03**	**—**	**—**	**—**	**100**	*	—
Neal Simpson II (WY)	496	42.7	6.90	.57	2	443.8	26.63	.03	—	—	—	100	*	—
Braintree City of	**—**	**—**	**—**	**—**	**14**	**241.2**	**14.07**	**.14**	**731**	**291.2**	**3.01**	**—**	**10**	**90**
Potter Station (MA)	—	—	—	—	14	241.2	14.07	.14	731	291.2	3.01	—	10	90
Brazos Electric Power Coop Inc .	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**19,558**	**234.9**	**2.35**	**—**	**—**	**100**
North Texas (TX)	—	—	—	—	—	—	—	—	428	237.5	2.37	—	—	100
Miller (TX)	—	—	—	—	—	—	—	—	19,129	234.8	2.35	—	—	100
Bryan City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**6,133**	**233.4**	**2.37**	**—**	**—**	**100**
Bryan (TX)	—	—	—	—	—	—	—	—	1,132	229.6	2.32	—	—	100
Dansby (TX)	—	—	—	—	—	—	—	—	5,001	234.2	2.38	—	—	100
Burbank City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**753**	**318.1**	**3.22**	**—**	**—**	**100**
Magnolia-Olive (CA)	—	—	—	—	—	—	—	—	753	318.1	3.22	—	—	100
Burlington City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**252**	**319.3**	**3.23**	**92**	**—**	**8**
J C McNeil (VT)	—	—	—	—	—	—	—	—	252	319.3	3.23	92	—	8
Cajun Electric Power Coop Inc	**6,648**	**146.2**	**24.39**	**.46**	**34**	**357.2**	**21.00**	**.05**	**7,715**	**232.9**	**2.43**	**93**	*	**7**
Big Cajun No.1 (LA)	—	—	—	—	—	—	—	—	7,715	232.9	2.43	—	—	100
Big Cajun No.2 (LA)	6,648	146.2	24.39	.46	34	357.2	21.00	.05	—	—	—	100	*	—
Cardinal Operating Co	**3,660**	**225.0**	**55.24**	**1.52**	**50**	**378.2**	**22.17**	**.03**	**—**	**—**	**—**	**100**	*	—
Cardinal (OH)	3,660	225.0	55.24	1.52	50	378.2	22.17	.03	—	—	—	100	*	—
Carolina Power & Light Co	**11,546**	**147.9**	**37.12**	**.91**	**418**	**405.9**	**23.52**	**.20**	**—**	**—**	**—**	**99**	**1**	—
Asheville (NC)	951	142.1	36.24	1.01	98	440.2	25.51	.20	—	—	—	98	2	—
Cape Fear (NC)	658	146.6	36.16	1.03	65	392.8	22.77	.20	—	—	—	98	2	—
Lee (NC)	662	152.7	38.03	.97	66	389.5	22.57	.20	—	—	—	98	2	—
Roxboro (NC)	5,967	146.9	36.56	.89	60	389.7	22.59	.20	—	—	—	100	*	—
Sutton (NC)	1,126	152.4	39.03	.94	63	402.1	23.31	.20	—	—	—	99	1	—
Weatherspoon (NC)	284	162.4	41.62	.99	33	413.1	23.94	.20	—	—	—	97	3	—
Robinson (SC)	364	144.3	37.78	1.46	5	377.0	21.85	.20	—	—	—	100	*	—
Mayo (NC)	1,533	149.0	37.46	.65	28	395.7	22.94	.20	—	—	—	100	*	—
Cedar Falls City of	**44**	**160.8**	**38.78**	**1.31**	**—**	**—**	**—**	**—**	**130**	**286.9**	**2.87**	**89**	**—**	**11**
Streeter (IA)	44	160.8	38.78	1.31	—	—	—	—	130	286.9	2.87	89	—	11
Central Electric Pwr Coop-MO	**135**	**127.7**	**28.14**	**2.73**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Chamois (MO)	135	127.7	28.14	2.73	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp	**857**	**161.9**	**41.89**	**.65**	**5,912**	**237.6**	**15.01**	**1.19**	**10,283**	**271.2**	**2.75**	**32**	**53**	**15**
Danskammer (NY)	857	161.9	41.89	.65	6	308.8	19.79	.76	3,056	273.4	2.78	88	*	12
Roseton (NY)	—	—	—	—	5,905	237.6	15.01	1.19	7,227	270.3	2.74	—	84	16
Central Illinois Light Co	**2,669**	**141.7**	**30.90**	**2.47**	**12**	**552.2**	**31.94**	**.13**	**—**	**—**	**—**	**100**	*	—
Edwards (IL)	1,667	123.8	27.34	1.94	9	508.4	29.39	.16	—	—	—	100	*	—
Duck Creek (IL)	1,002	172.6	36.82	3.37	4	650.9	37.70	.07	—	—	—	100	*	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Central Illinois Pub Serv Co	**6,342**	**130.8**	**25.32**	**0.78**	**174**	**335.3**	**20.42**	**0.29**	**2**	**160.5**	**1.61**	**99**	**1**	*
Coffeen (IL)	1,858	179.1	36.61	.96	9	432.0	24.96	.29	—	—	—	100	*	—
Grand Tower (IL)	222	100.9	22.63	2.87	3	431.2	24.74	.29	—	—	—	100	*	—
Hutsonville (IL)	182	109.0	23.98	2.77	10	404.4	23.25	.29	—	—	—	99	1	—
Meredosia (IL)	576	113.1	24.41	1.86	124	304.2	18.94	.29	2	160.5	1.61	94	6	*
Newton (IL)	3,504	109.0	19.73	.27	28	418.5	24.02	.29	—	—	—	100	*	—
Central Iowa Power Coop	**191**	**113.4**	**27.60**	**2.79**	**4**	**449.0**	**26.21**	**.05**	**5**	**385.1**	**3.89**	**99**	**1**	*
Summit Lake (IA)	—	—	—	—	4	449.0	26.21	.05	—	—	—	—	100	—
Fair Station (IA)	191	113.4	27.60	2.79	—	—	—	—	5	385.1	3.89	100	—	*
Central Louisiana Elec Co Inc	**4,864**	**135.8**	**20.81**	**.82**	**—**	**—**	**—**	**—**	**35,151**	**233.7**	**2.44**	**67**	**—**	**33**
Dolet Hills (LA)	2,810	133.7	18.62	.92	—	—	—	—	31	299.9	3.07	100	—	*
Coughlin (LA)	—	—	—	—	—	—	—	—	5,479	239.9	2.50	—	—	100
Teche (LA)	—	—	—	—	—	—	—	—	15,363	233.0	2.43	—	—	100
Rodemacher (LA)	2,054	138.2	23.80	.68	—	—	—	—	14,277	231.9	2.42	70	—	30
Central Maine Power Co	**—**	**—**	**—**	**—**	**1,045**	**177.9**	**11.27**	**1.00**	**—**	**—**	**—**	**—**	**100**	**—**
Wyman (ME)	—	—	—	—	1,045	177.9	11.27	1.00	—	—	—	—	100	—
Central Operating Co	**2,658**	**122.7**	**29.79**	**1.49**	**45**	**450.3**	**25.85**	**.05**	**—**	**—**	**—**	**100**	*	**—**
Sporn (WV)	2,658	122.7	29.79	1.49	45	450.3	25.85	.05	—	—	—	100	*	—
Central Power & Light Co	**2,583**	**140.5**	**27.14**	**.30**	**—**	**—**	**—**	**—**	**128,535**	**233.4**	**2.40**	**28**	**—**	**72**
Joslin (TX)	—	—	—	—	—	—	—	—	6,543	247.7	2.53	—	—	100
Bates (TX)	—	—	—	—	—	—	—	—	8,593	227.2	2.36	—	—	100
Laredo (TX)	—	—	—	—	—	—	—	—	8,349	235.9	2.50	—	—	100
Hill (TX)	—	—	—	—	—	—	—	—	19,041	230.4	2.35	—	—	100
Nueces Bay (TX)	—	—	—	—	—	—	—	—	27,649	230.0	2.36	—	—	100
La Palma (TX)	—	—	—	—	—	—	—	—	9,437	234.4	2.41	—	—	100
Victoria (TX)	—	—	—	—	—	—	—	—	11,998	240.6	2.46	—	—	100
Davis (TX)	—	—	—	—	—	—	—	—	36,924	233.4	2.39	—	—	100
Coleto Creek (TX)	2,583	140.5	27.14	.30	—	—	—	—	—	—	—	100	—	—
Chugach Electric Assn Inc	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**13,833**	**139.1**	**1.39**	**—**	**—**	**100**
Beluga (AK)	—	—	—	—	—	—	—	—	13,833	139.1	1.39	—	—	100
Cincinnati Gas & Electric Co	**11,806**	**110.2**	**26.65**	**2.00**	**286**	**404.9**	**23.28**	**.23**	**—**	**—**	**—**	**99**	**1**	**—**
Beckjord (OH)	3,054	113.5	27.36	1.01	138	402.8	23.10	.34	—	—	—	99	1	—
Miami Fort (OH)	3,499	119.9	28.85	1.00	67	425.6	24.50	.05	—	—	—	100	*	—
East Bend (KY)	1,854	103.2	25.23	2.21	17	384.6	22.05	.29	—	—	—	100	*	—
Zimmer (OH)	3,398	101.2	24.53	3.82	63	392.7	22.73	.18	—	—	—	100	*	—
Cleveland Electric Illum Co	**3,819**	**124.3**	**31.73**	**2.04**	**94**	**389.1**	**22.66**	**.31**	**—**	**—**	**—**	**99**	**1**	**—**
Ashtabula (OH)	331	106.1	26.19	3.84	9	402.2	23.44	.13	—	—	—	99	1	—
Avon Lake (OH)	1,397	140.9	36.00	1.03	29	390.5	22.69	.36	—	—	—	100	*	—
Eastlake (OH)	1,957	113.6	29.10	2.55	49	385.0	22.46	.34	—	—	—	99	1	—
Lake Shore (OH)	133	150.8	39.60	.63	7	394.5	22.92	.17	—	—	—	99	1	—
Coffeyville City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**929**	**209.9**	**2.10**	**—**	**—**	**100**
Coffeyville (KS)	—	—	—	—	—	—	—	—	929	209.9	2.10	—	—	100
Colorado Springs City of	**1,450**	**116.2**	**24.64**	**.41**	**7**	**543.8**	**30.92**	**.34**	**1,198**	**344.0**	**3.39**	**96**	*	**4**
Drake (CO)	813	137.8	29.63	.42	—	—	—	—	494	361.3	3.56	97	—	3
Birdsall (CO)	—	—	—	—	—	—	—	—	413	362.0	3.56	—	—	100
Nixon (CO)	637	87.8	18.26	.40	7	543.8	30.92	.34	291	289.1	2.84	98	*	2
Columbia City of	**40**	**199.6**	**53.49**	**1.23**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Columbia (MO)	40	199.6	53.49	1.23	—	—	—	—	—	—	—	100	—	—
Columbus Southern Power Co	**4,118**	**121.4**	**29.07**	**2.68**	**15**	**408.5**	**24.15**	**.06**	**129**	**383.5**	**3.91**	**100**	*	*
Conesville (OH)	3,950	121.5	29.18	2.68	14	408.0	24.12	.07	129	383.5	3.91	100	*	*
Picway (OH)	168	118.5	26.56	2.74	1	415.0	24.43	.05	—	—	—	100	*	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Commonwealth Edison Co[4]	**14,206**	**192.0**	**33.85**	**0.40**	**273**	**359.3**	**22.20**	**0.50**	**31,118**	**234.4**	**2.39**	**88**	**1**	**11**
Joliet (IL)	4,412	263.1	46.13	.37	—	—	—	—	—	—	—	100	—	—
Powerton (IL)	4,406	138.0	24.34	.42	—	—	—	—	112	383.1	3.83	100	—	*
Waukegan (IL)	2,059	180.1	31.35	.42	—	—	—	—	—	—	—	100	—	—
Will County (IL)	3,329	177.0	31.71	.39	118	379.4	22.18	.31	—	—	—	99	1	—
Collins (IL)	—	—	—	—	155	345.3	22.21	.64	30,052	233.5	2.38	—	3	97
Fisk Storage (IL)	—	—	—	—	—	—	—	—	954	245.8	2.53	—	—	100
Connecticut Light & Power Co	**—**	**—**	**—**	**—**	**7,245**	**239.2**	**15.30**	**.72**	**14,093**	**267.3**	**2.74**	**—**	**76**	**24**
Devon (CT)	—	—	—	—	1,090	228.9	14.62	.88	5,293	262.8	2.68	—	56	44
Montville (CT)	—	—	—	—	1,737	240.5	15.69	.75	274	303.0	3.12	—	98	2
Norwalk Harbor (CT)	—	—	—	—	2,231	233.7	14.93	.90	—	—	—	—	100	—
Middletown (CT)	—	—	—	—	2,186	248.9	15.70	.45	8,525	269.0	2.77	—	61	39
Consolidated Edison Co-NY Inc	**—**	**—**	**—**	**—**	**4,949**	**262.8**	**16.50**	**.30**	**50,628** [2]	**245.1**	**2.52**	**—**	**37**	**63**
Arthur Kill (NY)	—	—	—	—	—	—	—	—	6,778	227.7	2.35	—	—	100
East River (NY)	—	—	—	—	179	283.4	18.10	.28	3,531	256.3	2.64	—	24	76
Ravenswood (NY)	—	—	—	—	44	208.5	13.22	.29	10,775	245.6	2.53	—	2	98
Waterside (NY)	—	—	—	—	—	—	—	—	5,780 [2]	252.6	2.60	—	—	100
Astoria (NY)	—	—	—	—	81	281.4	17.94	.29	23,763 [2]	246.2	2.54	—	2	98
Storage Facility #7	—	—	—	—	2,485	253.5	15.85	.29	—	—	—	—	100	—
Storage Facility #5	—	—	—	—	1,682	269.0	16.93	.32	—	—	—	—	100	—
Storage Facility #3	—	—	—	—	478	282.3	17.84	.29	—	—	—	—	100	—
Consumers Power Co	**8,942**	**136.5**	**29.66**	**.65**	**1,821**	**267.1**	**17.02**	**.95**	**4,840**	**268.5**	**2.68**	**92**	**6**	**2**
Cobb (MI)	1,062	120.7	24.46	.79	1	331.5	19.21	.50	—	—	—	100	*	—
Karn-Weadock (MI)	1,096	147.6	36.02	.87	1,696	257.1	16.50	.98	4,840	268.5	2.68	63	26	11
Campbell (MI)	4,166	144.1	32.11	.60	27	417.4	24.19	.50	—	—	—	100	*	—
Weadock (MI)	1,632	119.5	23.26	.52	90	413.5	23.97	.50	—	—	—	98	2	—
Whiting (MI)	986	130.9	28.47	.67	7	448.8	26.01	.50	—	—	—	100	*	—
Coop Power Assn	**7,150**	**81.3**	**10.06**	**.66**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Coal Creek (ND)	7,150	81.3	10.06	.66	—	—	—	—	—	—	—	100	—	—
Dairyland Power Coop	**2,827**	**116.5**	**23.05**	**.43**	**14**	**406.6**	**23.91**	**.50**	**—**	**—**	**—**	**100**	*****	**—**
Alma-Madgett (WI)	1,808	107.6	20.23	.28	7	459.0	26.99	.50	—	—	—	100	*	—
Genoa No.3 (WI)	1,019	130.2	28.04	.71	7	354.2	20.83	.50	—	—	—	100	*	—
Dayton Power & Light Co	**7,589**	**119.6**	**27.66**	**.78**	**142**	**424.7**	**24.58**	**.30**	**761**	**448.1**	**4.57**	**99**	*****	*****
Hutchings (OH)	128	135.7	33.62	.86	—	—	—	—	761	448.1	4.57	80	—	20
Stuart (OH)	5,724	117.3	26.87	.83	142	424.7	24.58	.30	—	—	—	99	1	—
Killen (OH)	1,736	126.0	29.85	.62	—	—	—	—	—	—	—	100	—	—
Delmarva Power & Light Co	**1,204**	**158.9**	**41.12**	**.97**	**2,532**	**240.6**	**15.32**	**.95**	**21,222**	**303.1**	**2.98**	**46**	**24**	**31**
Edgemoor (DE)	273	158.1	39.76	.74	1,735	233.0	14.85	.63	7,066	268.2	2.36	28	46	26
Indian River (DE)	931	159.2	41.52	1.03	85	392.7	22.84	.21	—	—	—	98	2	—
Vienna (MD)	—	—	—	—	712	242.6	15.55	1.83	—	—	—	—	100	—
Hay Road (DE)	—	—	—	—	—	—	—	—	14,156	317.9	3.28	—	—	100
Denton City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**3,032**	**249.8**	**2.62**	**—**	**—**	**100**
Spencer (TX)	—	—	—	—	—	—	—	—	3,032	249.8	2.62	—	—	100
Deseret Generation & Tran Coop	**1,502**	**157.5**	**32.53**	**.42**	**6**	**537.6**	**31.16**	**.00**	**—**	**—**	**—**	**100**	*****	**—**
Bonanza (UT)	1,502	157.5	32.53	.42	6	537.6	31.16	.00	—	—	—	100	*	—
Detroit City of	**—**	**—**	**—**	**—**	**9**	**393.0**	**22.73**	**.00**	**3,987**	**321.1**	**3.28**	**—**	**1**	**99**
Mistersky (MI)	—	—	—	—	9	393.0	22.73	.00	3,987	321.1	3.28	—	1	99
Detroit Edison Co	**20,444**	**127.0**	**26.11**	**.60**	**491**	**365.8**	**21.60**	**.39**	**34,229**	**230.5**	**1.15**	**96**	**1**	**4**
Conners Creek (MI)	—	—	—	—	2	424.6	24.61	.09	760	224.2	2.27	—	1	99
Harbor Beach (MI)	102	145.5	38.98	.95	7	427.4	24.71	.18	—	—	—	98	2	—
Marysville (MI)	37	146.6	39.37	.94	—	—	—	—	123	259.2	2.60	89	—	11
Monroe (MI)	8,229	112.2	23.58	.60	90	382.6	22.24	.26	—	—	—	100	*	—
River Rouge (MI)	1,531	116.1	24.92	.64	4	435.4	25.22	.07	20,633	121.8	.19	91	*	9

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Detroit Edison Co														
St Clair (MI)	4,681	144.3	29.10	0.71	159	439.7	25.27	0.29	409	272.6	2.75	99	1	*
Trenton Channel (MI)	2,044	113.8	24.34	.75	21	512.4	29.59	.18	—	—	—	100	*	—
Belle River (MI)	3,820	151.9	28.86	.34	18	442.5	25.68	.25	—	—	—	100	*	—
Greenwood (MI)	—	—	—	—	190	273.6	16.74	.60	12,304	257.8	2.60	33	6	61
Dover City of	**—**	**—**	**—**	**—**	**251**	**273.3**	**17.18**	**.80**	**637**	**309.2**	**3.19**	**—**	**71**	**29**
Mckee Run (DE)	—	—	—	—	251	273.3	17.18	.80	637	309.2	3.19	—	71	29
Duke Power Co	**14,802**	**140.4**	**34.82**	**.82**	**97**	**366.2**	**21.38**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Allen (NC)	1,928	140.9	34.98	.79	21	332.4	19.43	.30	—	—	—	100	*	—
Buck (NC)	652	138.0	33.47	.78	—	—	—	—	—	—	—	100	—	—
Cliffside (NC)	1,437	134.7	34.14	.89	15	345.4	20.17	.30	—	—	—	100	*	—
Dan River (NC)	307	139.5	35.73	.71	—	—	—	—	—	—	—	100	—	—
Marshall (NC)	4,256	131.1	32.42	.82	28	386.5	22.56	.30	—	—	—	100	*	—
Riverbend (NC)	588	136.6	34.02	.93	—	—	—	—	—	—	—	100	—	—
Lee (SC)	409	142.1	35.85	1.01	13	406.5	23.75	.30	—	—	—	99	1	—
Belews Creek (NC)	5,225	150.1	37.01	.80	20	362.8	21.15	.30	—	—	—	100	*	—
Duquesne Light Co	**2,042**	**144.1**	**36.49**	**1.99**	**141**	**385.3**	**22.34**	**.14**	**538**	**338.9**	**3.52**	**97**	**2**	**1**
Brunot Is (PA)	—	—	—	—	78	357.2	20.79	.14	—	—	—	—	100	—
Elrama (PA)	870	183.5	44.86	2.21	63	420.4	24.25	.15	—	—	—	98	2	—
Cheswick (PA)	1,172	116.6	30.29	1.84	—	—	—	—	538	338.9	3.52	98	—	2
East Kentucky Power Coop Inc	**3,938**	**113.5**	**28.02**	**.87**	**17**	**419.9**	**24.45**	**.14**	**—**	**—**	**—**	**100**	*****	**—**
Cooper (KY)	810	108.1	26.86	1.24	4	384.8	22.40	.20	—	—	—	100	*	—
Dale (KY)	536	113.7	27.80	.82	5	397.5	23.14	.12	—	—	—	100	*	—
Spurlock (KY)	2,592	115.2	28.43	.76	9	446.3	25.98	.12	—	—	—	100	*	—
El Paso Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**30,885**	**214.1**	**2.19**	**—**	**—**	**100**
Rio Grande (TX)	—	—	—	—	—	—	—	—	8,551	197.7	2.02	—	—	100
Newman (TX)	—	—	—	—	—	—	—	—	22,334	220.4	2.25	—	—	100
Electric Energy Inc	**4,935**	**87.4**	**15.28**	**.24**	**4**	**528.0**	**30.27**	**.24**	**470**	**268.1**	**2.79**	**99**	*****	**1**
Joppa (IL)	4,935	87.4	15.28	.24	4	528.0	30.27	.24	470	268.1	2.79	99	*	1
Empire District Electric Co	**1,104**	**107.2**	**19.93**	**.63**	**3**	**419.9**	**24.58**	**.03**	**765**	**254.4**	**2.55**	**96**	*****	**4**
Riverton (KS)	327	115.6	22.03	.84	—	—	—	—	765	254.4	2.55	89	—	11
Asbury (MO)	777	103.6	19.05	.54	3	419.9	24.58	.03	—	—	—	100	*	—
Fayetteville Public Works Comm	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,986**	**283.3**	**2.92**	**—**	**—**	**100**
Butler Warner (NC)	—	—	—	—	—	—	—	—	1,986	283.3	2.92	—	—	100
Florida Power & Light Co	**—**	**—**	**—**	**—**	**37,448**	**253.8**	**16.18**	**1.35**	**192,915**	**300.8**	**3.14**	**—**	**54**	**46**
Cape Canaveral (FL)	—	—	—	—	3,536	254.1	16.21	1.40	10,825	300.8	3.14	—	67	33
Cutler (FL)	—	—	—	—	—	—	—	—	5,166	303.4	3.16	—	—	100
Fort Myers (FL)	—	—	—	—	4,724	243.5	15.53	2.01	—	—	—	—	100	—
Lauderdale (FL)	—	—	—	—	—	—	—	—	51,287	295.8	3.09	—	—	100
Port Everglades (FL)	—	—	—	—	6,130	259.6	16.52	.95	9,278	302.2	3.15	—	80	20
Riviera (FL)	—	—	—	—	4,019	227.8	14.58	1.91	4,982	297.2	3.10	—	83	17
Sanford (FL)	—	—	—	—	4,239	259.7	16.55	1.99	5,012	301.0	3.15	—	84	16
Turkey Point (FL)	—	—	—	—	3,231	266.9	16.99	.96	13,652	306.8	3.20	—	59	41
Manatee (FL)	—	—	—	—	8,137	250.5	15.93	.97	—	—	—	—	100	—
Martin (FL)	—	—	—	—	3,431	276.3	17.67	.97	71,774	302.4	3.16	—	23	77
Putnam (FL)	—	—	—	—	—	—	—	—	20,940	303.0	3.16	—	—	100
Florida Power Corp[5]	**5,446**	**172.7**	**50.24**	**.84**	**10,342**	**224.4**	**14.56**	**1.60**	**6,669**[2]	**319.6**	**3.29**	**68**	**29**	**3**
Crystal River (FL)	3,466	175.5	54.92	.90	74	396.8	23.30	.47	—	—	—	100	*	—
Bartow (FL)	—	—	—	—	2,053	215.7	13.96	1.82	2,026	313.8	3.23	—	86	14
Suwannee (FL)	—	—	—	—	518	283.3	17.91	2.07	689	299.8	3.11	—	82	18
Anclote (FL)	—	—	—	—	32	428.6	25.22	.48	3,953[2]	326.1	3.36	—	4	96
IMT Transfer (LA)	1,980	166.8	42.05	.73	—	—	—	—	—	—	—	100	—	—
Storage Facility # 1	—	—	—	—	7,664	220.6	14.37	1.53	—	—	—	—	100	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Fort Pierre City of	—	—	—	—	—	—	—	—	**1,958**	**237.1**	**2.48**	—	—	**100**
H D King (FL)	—	—	—	—	—	—	—	—	1,958	237.1	2.48	—	—	100
Fremont City of	**249**	**92.0**	**16.15**	**0.20**	**—**	**—**	**—**	**—**	**247**	**233.2**	**2.33**	**95**	**—**	**5**
Wright (NE)	249	92.0	16.15	.20	—	—	—	—	247	233.2	2.33	95	—	5
Gainesville Regional Utilities	**557**	**165.2**	**43.19**	**.64**	**11**	**324.2**	**20.66**	**1.97**	**4,891**	**276.9**	**2.89**	**74**	*****	**26**
Deerhaven (FL)	557	165.2	43.19	.64	11	324.2	20.66	1.97	3,547	272.4	2.85	79	*	20
Jr Kelly (FL)	—	—	—	—	—	—	—	—	1,344	288.8	3.00	—	—	100
Garland City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**11,414**	**247.1**	**2.51**	**—**	**—**	**100**
Newman (TX)	—	—	—	—	—	—	—	—	687	276.9	2.84	—	—	100
Olinger (TX)	—	—	—	—	—	—	—	—	10,728	245.2	2.49	—	—	100
Georgia Power Co	**32,505**	**154.9**	**36.34**	**.80**	**570**	**390.0**	**22.69**	**.50**	**7,972**	**244.0**	**2.53**	**99**	*****	**1**
Arkwright (GA)	124	166.3	43.01	1.72	—	—	—	—	2,196	261.8	2.71	59	—	41
Atkinson-Mcdonough (GA)	1,260	143.2	37.27	1.04	25	299.8	17.44	.50	3,617	253.5	2.62	89	*	10
Bowen (GA)	8,022	143.7	35.42	.88	47	434.2	25.26	.50	—	—	—	100	*	—
Hammond (GA)	1,720	146.3	37.60	.83	17	378.6	22.02	.50	—	—	—	100	*	—
Harllee Branch (GA)	3,004	158.5	39.33	1.24	11	403.2	23.45	.50	—	—	—	100	*	—
Mcmanus (GA)	—	—	—	—	268	389.1	22.63	.50	—	—	—	—	100	—
Mitchell (GA)	243	180.3	46.11	1.23	106	381.6	22.20	.50	—	—	—	91	9	—
Yates (GA)	2,496	147.5	37.89	.92	22	398.6	23.19	.50	2,159	210.1	2.17	96	*	3
Wansley (GA)	4,415	147.9	36.67	1.00	52	389.5	22.66	.50	—	—	—	100	*	—
Scherer (GA)	11,219	171.1	35.14	.46	22	445.0	25.89	.50	—	—	—	100	*	—
Glendale City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**2,981**	**262.4**	**2.68**	**—**	**—**	**100**
Glendale (CA)	—	—	—	—	—	—	—	—	2,981	262.4	2.68	—	—	100
Grand Haven City of	**156**	**132.1**	**29.24**	**2.32**	**—**	**—**	**—**	**—**	**12**	**402.4**	**4.02**	**100**	**—**	*****
J B Simms (MI)	156	132.1	29.24	2.32	—	—	—	—	12	402.4	4.02	100	—	*
Grand Island City of	**375**	**65.0**	**10.80**	**.37**	**—**	**—**	**—**	**—**	**435** [2]	**277.8**	**2.78**	**93**	**—**	**7**
Platte (NE)	375	65.0	10.80	.37	—	—	—	—	—	—	—	100	—	—
Burdick (NE)	—	—	—	—	—	—	—	—	435 [2]	277.8	2.78	—	—	100
Grand River Dam Authority	**3,949**	**85.7**	**14.68**	**.43**	**—**	**—**	**—**	**—**	**175**	**246.7**	**2.47**	**100**	**—**	*****
GRDA No 1 (OK)	3,949	85.7	14.68	.43	—	—	—	—	175	246.7	2.47	100	—	*
Greenville City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**231**	**244.9**	**2.61**	**—**	**—**	**100**
Power Lane (TX)	—	—	—	—	—	—	—	—	231	244.9	2.61	—	—	100
Gulf Power Co	**3,548**	**142.9**	**34.97**	**1.38**	**24**	**363.8**	**21.16**	**.45**	**3,582**	**233.1**	**2.33**	**96**	*****	**4**
Crist (FL)	2,415	143.9	35.05	.98	5	296.4	17.24	.45	3,582	233.1	2.33	94	*	6
Scholtz (FL)	165	164.8	40.82	.82	*	300.5	17.48	.22	—	—	—	100	*	—
Smith (FL)	968	136.8	33.77	2.47	18	384.9	22.39	.45	—	—	—	100	*	—
Gulf States Utilities Co	**2,343**	**129.6**	**22.37**	**.45**	**16**	**1,364.8**	**79.12**	**.01**	**193,162**	**241.7**	**2.50**	**17**	*****	**83**
Nelson (LA)	2,343	129.6	22.37	.45	16	1,376.8	79.80	.00	25,287	236.3	2.45	61	*	39
Willow Glen (LA)	—	—	—	—	—	—	—	—	43,019	243.9	2.53	—	—	100
Lewis Creek (TX)	—	—	—	—	—	—	—	—	28,595	233.1	2.45	—	—	100
Sabine (TX)	—	—	—	—	*	439.1	25.97	.50	94,862	245.0	2.52	—	*	100
Spindletop Storage (TX)	—	—	—	—	—	—	—	—	1,399	230.0	2.36	—	—	100
Hamilton City of	**138**	**144.5**	**35.84**	**.92**	**—**	**—**	**—**	**—**	**412**	**270.5**	**2.77**	**89**	**—**	**11**
Hamilton (OH)	138	144.5	35.84	.92	—	—	—	—	412	270.5	2.77	89	—	11
Hastings City of	**399**	**64.1**	**10.66**	**.34**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Hastings (NE)	399	64.1	10.66	.34	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc	**—**	**—**	**—**	**—**	**10,744**	**319.9**	**20.08**	**.44**	**—**	**—**	**—**	**—**	**100**	**—**
Kahe (HI)	—	—	—	—	699	311.2	19.59	.42	—	—	—	—	100	—
Waiau (HI)	—	—	—	—	94	374.4	22.73	.39	—	—	—	—	100	—
Storage Facility # 1	—	—	—	—	9,951	320.0	20.09	.44	—	—	—	—	100	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Holland City of	**169**	**156.7**	**40.99**	**0.85**	**—**	**—**	**—**	**—**	**53**	**226.1**	**2.31**	**99**	**—**	**1**
James De Young (MI)	169	156.7	40.99	.85	—	—	—	—	53	226.1	2.31	99	—	1
Holyoke Water Power Co	**324**	**173.6**	**45.90**	**.90**	**4**	**352.1**	**20.38**	**0.27**	**—**	**—**	**—**	**100**	*****	**—**
Mount Tom (MA)	324	173.6	45.90	.90	4	352.1	20.38	.27	—	—	—	100	*	—
Hoosier Energy R E C Inc	**3,859**	**123.8**	**27.66**	**2.90**	**13**	**445.1**	**25.80**	**.06**	**—**	**—**	**—**	**100**	*****	**—**
Frank E Ratts (IN)	624	133.6	29.84	1.35	3	370.2	21.46	.03	—	—	—	100	*	—
Merom (IN)	3,236	121.9	27.24	3.20	10	468.3	27.14	.06	—	—	—	100	*	—
Houston Lighting & Power Co	**20,059**	**145.0**	**22.39**	**.67**	**—**	**—**	**—**	**—**	**250,565**	**240.4**	**2.44**	**55**	**—**	**45**
Limestone (TX)	8,938	102.9	13.56	1.05	—	—	—	—	1,376	222.0	2.27	99	—	1
Cedar Bayou (TX)	—	—	—	—	—	—	—	—	71,022	238.5	2.43	—	—	100
Deepwater (TX)	—	—	—	—	—	—	—	—	2,209	245.9	2.54	—	—	100
Green Bayou (TX)	—	—	—	—	—	—	—	—	7,861	234.1	2.44	—	—	100
Robinson (TX)	—	—	—	—	—	—	—	—	86,077	241.3	2.44	—	—	100
Bertron (TX)	—	—	—	—	—	—	—	—	14,549	246.8	2.51	—	—	100
Wharton (TX)	—	—	—	—	—	—	—	—	25,564	236.8	2.39	—	—	100
Parish (TX)	11,121	170.9	29.49	.36	—	—	—	—	27,927	248.1	2.55	87	—	13
Webster (TX)	—	—	—	—	—	—	—	—	9,950	237.6	2.40	—	—	100
Storage Facility # 2	—	—	—	—	—	—	—	—	4,031	227.0	2.27	—	—	100
IES Utilities Co	**5,599**	**86.4**	**14.68**	**.36**	**111**	**399.5**	**23.49**	**.07**	**2,746** [2]	**302.6**	**3.03**	**97**	**1**	**3**
6th St (IA)	177	149.7	30.84	.59	3	426.6	25.08	.02	1,423	280.7	2.81	72	*	28
Praire Creek (IA)	967	85.3	14.49	.34	1	427.2	25.12	.06	757	328.9	3.29	96	*	4
Sutherland (IA)	575	77.5	13.61	.36	98	394.3	23.19	.07	536	313.1	3.13	90	5	5
Burlington (IA)	690	79.5	13.21	.43	1	312.6	18.38	.00	31 [2]	486.2	4.86	100	*	*
Ottumwa (IA)	3,191	85.6	14.36	.33	8	456.6	26.85	.03	—	—	—	100	*	—
Illinois Power Co	**6,203**	**114.5**	**24.97**	**2.14**	**222**	**305.9**	**19.07**	**.74**	**1,403**	**248.4**	**2.56**	**98**	**1**	**1**
Baldwin (IL)	3,911	105.2	22.46	2.77	18	380.4	22.37	.27	—	—	—	100	*	—
Havana (IL)	765	139.5	32.52	.51	199	294.6	18.49	.79	—	—	—	93	7	—
Hennepin (IL)	526	118.8	24.88	2.17	—	—	—	—	291	259.1	2.67	97	—	3
Vermilion (IL)	314	105.3	22.60	1.29	5	511.3	30.06	.30	139	259.8	2.68	98	*	2
Wood River (IL)	687	135.9	32.04	.72	—	—	—	—	973	243.6	2.50	94	—	6
Imperial Irrigation District	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**4,070**	**264.2**	**2.66**	**—**	**—**	**100**
El Centro (CA)	—	—	—	—	—	—	—	—	4,070	264.2	2.66	—	—	100
Independence City of	**142**	**132.2**	**28.28**	**3.54**	**—**	**—**	**—**	**—**	**290**	**282.6**	**2.83**	**91**	**—**	**9**
Blue Valley (MO)	142	132.2	28.28	3.54	—	—	—	—	290	282.6	2.83	91	—	9
Indiana-Kentucky Electric Corp	**5,060**	**114.5**	**22.82**	**.61**	**6**	**448.1**	**25.59**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Clifty Creek (IN)	5,060	114.5	22.82	.61	6	448.1	25.59	.30	—	—	—	100	*	—
Indiana Michigan Power Co	**11,804**	**111.9**	**22.11**	**.47**	**163**	**406.8**	**23.35**	**.04**	**—**	**—**	**—**	**100**	*****	**—**
Tanners Creek (IN)	2,402	121.8	29.89	1.04	33	376.5	21.87	.04	—	—	—	100	*	—
Rockport (IN)	9,402	108.5	20.13	.33	130	414.7	23.73	.03	—	—	—	100	*	—
Indianapolis Power & Light Co	**8,101**	**96.9**	**21.61**	**2.32**	**195**	**465.1**	**26.97**	**.21**	**—**	**—**	**—**	**99**	**1**	**—**
Stout (IN)	1,818	110.8	24.55	1.19	124	481.6	27.92	.22	—	—	—	98	2	—
Pritchard (IN)	676	105.9	23.37	1.22	47	441.3	25.56	.12	—	—	—	98	2	—
Petersburg (IN)	5,607	91.4	20.44	2.82	24	426.3	24.86	.35	—	—	—	100	*	—
Interstate Power Co	**1,780**	**109.9**	**20.93**	**.43**	**19**	**391.9**	**23.04**	**.02**	**1,189**	**276.4**	**2.76**	**96**	*****	**3**
Dubuque (IA)	173	121.1	28.12	.81	1	392.3	23.07	.02	58	289.7	2.90	98	*	1
Lansing (IA)	1,093	101.2	17.84	.37	11	392.2	23.06	.03	16	416.8	4.17	100	*	*
Kapp (IA)	514	121.4	25.07	.43	—	—	—	—	99	426.1	4.26	99	—	1
Fox Lake (MN)	—	—	—	—	7	391.2	23.01	.01	1,017	258.8	2.59	—	4	96
Jacksonville Electric Auth	**3,181**	**155.1**	**38.23**	**1.08**	**4,473**	**211.0**	**13.37**	**1.42**	**13,715**	**279.1**	**2.95**	**67**	**22**	**11**
St Johns River (FL)	3,181	155.1	38.23	1.08	79	414.1	24.17	.35	—	—	—	99	1	—
Kennedy (FL)	—	—	—	—	410	256.5	16.31	.94	1,383	287.4	3.03	—	64	36
Northside (FL)	—	—	—	—	3,424	194.6	12.35	1.59	8,377	273.3	2.90	—	71	29
Southside (FL)	—	—	—	—	560	250.9	15.94	.88	3,955	288.4	3.05	—	46	54

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Jamestown City of	**89**	**128.2**	**32.58**	**1.79**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Samuel A Carlson (NY)	89	128.2	32.58	1.79	—	—	—	—	—	—	—	100	—	—
Jersey Central Power&Light Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**519**	**330.8**	**3.42**	**—**	**—**	**100**
Sayreville (NJ)	—	—	—	—	—	—	—	—	519	330.8	3.42	—	—	100
Kansas City City of	**1,400**	**76.5**	**12.96**	**.38**	**64**	**416.3**	**24.13**	**0.50**	**1,875**	**275.4**	**2.76**	**91**	**1**	**7**
Kaw (KS)	—	—	—	—	—	—	—	—	722	298.5	2.99	—	—	100
Quindaro (KS)	611	88.0	15.41	.32	51	416.8	24.16	.50	1,153	260.9	2.61	88	2	9
Nearman (KS)	789	67.1	11.07	.42	13	414.2	24.01	.50	—	—	—	99	1	—
Kansas City Power & Light Co	**10,315**	**73.5**	**12.77**	**.45**	**105**	**425.8**	**24.71**	**.06**	**1,910** [2]	**283.0**	**2.83**	**99**	*****	**1**
La Cygne (KS)	5,469	67.8	11.71	.61	75	444.2	25.76	.07	—	—	—	100	*	—
Hawthorne (MO)	182	68.0	11.98	.27	—	—	—	—	1,910 [2]	283.0	2.83	63	—	37
Montrose (MO)	1,752	90.6	15.90	.20	17	367.7	21.42	.02	—	—	—	100	*	—
Iatan (MO)	2,912	74.1	12.94	.33	13	396.3	22.97	.02	—	—	—	100	*	—
Kansas Gas & Electric Co	**—**	**—**	**—**	**—**	**177**	**212.0**	**14.01**	**1.49**	**13,421**	**226.8**	**2.31**	**—**	**8**	**92**
Evans (KS)	—	—	—	—	—	—	—	—	9,769	225.7	2.31	—	—	100
Gill (KS)	—	—	—	—	168	210.9	13.94	1.49	3,339	230.1	2.34	—	25	75
Neosho (KS)	—	—	—	—	9	232.5	15.33	1.50	314	224.9	2.29	—	16	84
Kansas Power & Light Co	**10,795**	**109.6**	**18.94**	**.35**	**40**	**466.6**	**27.04**	**.31**	**2,752**	**244.3**	**2.47**	**98**	*****	**1**
Hutchinson (KS)	—	—	—	—	—	—	—	—	2,235	241.9	2.45	—	—	100
Lawrence (KS)	1,260	107.0	21.23	.38	—	—	—	—	347	256.8	2.57	99	—	1
Tecumseh (KS)	646	103.1	20.01	.36	—	—	—	—	171	250.3	2.52	99	—	1
Jeffrey Energy Cnt (KS)	8,889	110.6	18.54	.35	40	466.6	27.04	.31	—	—	—	100	*	—
Kentucky Power Co	**3,218**	**105.6**	**25.80**	**1.11**	**33**	**400.7**	**23.47**	**.05**	**—**	**—**	**—**	**100**	*****	**—**
Big Sandy (KY)	3,218	105.6	25.80	1.11	33	400.7	23.47	.05	—	—	—	100	*	—
Kentucky Utilities Co	**7,822**	**111.3**	**26.74**	**1.44**	**54**	**497.7**	**29.27**	**.40**	**—**	**—**	**—**	**100**	*****	**—**
Brown (KY)	1,763	115.3	28.30	1.40	4	572.3	33.65	.40	—	—	—	100	*	—
Ghent (KY)	5,480	110.7	26.44	1.41	34	501.2	29.47	.40	—	—	—	100	*	—
Green River (KY)	470	100.4	23.17	2.04	5	486.9	28.63	.40	—	—	—	100	*	—
Tyrone (KY)	109	123.9	31.66	.85	11	468.7	27.56	.40	—	—	—	98	2	—
Lafayette City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**7,706**	**236.6**	**2.49**	**—**	**—**	**100**
Bonin (LA)	—	—	—	—	—	—	—	—	7,706	236.6	2.49	—	—	100
Lake Worth City of	**—**	**—**	**—**	**—**	**40**	**371.4**	**21.80**	**.15**	**2,272**	**303.0**	**3.16**	**—**	**9**	**91**
Tom G Smith (FL)	—	—	—	—	40	371.4	21.80	.15	2,272	303.0	3.16	—	9	91
Lakeland City of	**790**	**173.8**	**44.48**	**1.40**	**260**	**313.9**	**19.58**	**1.96**	**12,935**	**289.2**	**3.01**	**60**	**4**	**36**
Larsen Mem (FL)	—	—	—	—	61	264.7	16.58	2.20	6,634	292.4	3.04	—	5	95
Plant 3-Mcintosh (FL)	790	173.8	44.48	1.40	199	329.0	20.50	1.88	6,301	285.8	2.97	74	4	22
Lansing City of	**1,374**	**147.8**	**31.55**	**.56**	**12**	**341.0**	**19.76**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Eckert (MI)	901	141.0	27.25	.41	10	341.0	19.76	.30	—	—	—	100	*	—
Erickson (MI)	472	157.7	39.76	.87	2	341.0	19.76	.28	—	—	—	100	*	—
Long Island Lighting Co	**—**	**—**	**—**	**—**	**6,874**	**228.6**	**14.56**	**.91**	**78,994**	**281.4**	**2.87**	**—**	**35**	**65**
Barrett (NY)	—	—	—	—	82	367.5	23.04	.35	18,223	284.5	2.94	—	3	97
Far Rockaway (NY)	—	—	—	—	—	—	—	—	4,033	267.0	2.76	—	—	100
Glenwood (NY)	—	—	—	—	—	—	—	—	7,566	300.4	3.09	—	—	100
Northport (NY)	—	—	—	—	5,481	231.1	14.75	.91	39,487	277.4	2.81	—	47	53
Port Jefferson (NY)	—	—	—	—	1,311	209.3	13.27	.95	9,685	283.0	2.87	—	46	54
Los Angeles City of	**4,898**	**144.7**	**33.98**	**.51**	**—**	**—**	**—**	**—**	**54,394**	**305.4**	**3.08**	**68**	**—**	**32**
Harbor (CA)	—	—	—	—	—	—	—	—	4,169	302.3	3.06	—	—	100
Haynes (CA)	—	—	—	—	—	—	—	—	30,466	307.4	3.09	—	—	100
Scattergood (CA)	—	—	—	—	—	—	—	—	18,132	303.0	3.07	—	—	100
Valley (CA)	—	—	—	—	—	—	—	—	1,626	302.2	3.08	—	—	100
Intermountain (UT)	4,898	144.7	33.98	.51	—	—	—	—	—	—	—	100	—	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Louisiana Power & Light Co	—	—	—	—	**141**	**195.1**	**12.64**	**0.99**	**140,477** [2]	**259.5**	**2.69**	—	**1**	**99**
Little Gypsy (LA)	—	—	—	—	—	—	—	—	29,370 [2]	258.3	2.68	—	—	100
Nine Mile (LA)	—	—	—	—	*	471.9	28.58	.18	76,307	261.6	2.72	—	*	100
Sterlington (LA)	—	—	—	—	—	—	—	—	11,098	245.2	2.53	—	—	100
Monroe (LA)	—	—	—	—	—	—	—	—	248	396.3	4.05	—	—	100
Waterford (LA)	—	—	—	—	141	194.2	12.59	.99	23,454 [2]	259.6	2.69	—	4	96
Louisville Gas & Electric Co	**6,790**	**95.0**	**21.44**	**3.37**	**51**	**422.9**	**24.87**	**.25**	**875**	**340.4**	**3.49**	**99**	*	**1**
Cane Run (KY)	1,473	100.2	22.81	3.39	*	769.9	45.27	.25	538	336.7	3.45	98	*	2
Mill Creek (KY)	3,649	95.4	21.51	3.38	46	421.6	24.79	.25	337	346.3	3.55	99	*	*
Trimble County (KY)	1,667	89.5	20.08	3.34	4	432.4	25.42	.25	—	—	—	100	*	—
Lower Colorado River Authority	**7,996**	**92.7**	**15.87**	**.34**	**—**	**—**	**—**	**—**	**34,400**	**224.9**	**2.27**	**80**	**—**	**20**
Gideon (TX)	—	—	—	—	—	—	—	—	21,709	220.2	2.22	—	—	100
T C Ferguson (TX)	—	—	—	—	—	—	—	—	12,691	233.0	2.36	—	—	100
S Seymour-Fayette (TX)	7,996	92.7	15.87	.34	—	—	—	—	—	—	—	100	—	—
Lubbock City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**5,698**	**216.8**	**2.18**	**—**	**—**	**100**
Holly Ave (TX)	—	—	—	—	—	—	—	—	5,425	217.3	2.19	—	—	100
Plant 2 (TX)	—	—	—	—	—	—	—	—	273	206.4	2.06	—	—	100
Madison Gas & Electric Co	**142**	**143.4**	**30.80**	**1.31**	**1**	**567.9**	**33.07**	**.05**	**2,157**	**279.5**	**2.81**	**58**	*	**42**
Blount (WI)	142	143.4	30.80	1.31	1	567.9	33.07	.05	2,157	279.5	2.81	58	*	42
Manitowoc Public Utilities	**119**	**161.5**	**41.75**	**1.36**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Manitowoc (WI)	119	161.5	41.75	1.36	—	—	—	—	—	—	—	100	—	—
Marquette City of	**156**	**122.8**	**24.11**	**.41**	**16**	**461.4**	**26.74**	**.07**	**—**	**—**	**—**	**97**	**3**	**—**
Shiras (MI)	156	122.8	24.11	.41	16	461.4	26.74	.07	—	—	—	97	3	—
Massachusetts Mun Wholes El Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**5,531**	**256.6**	**2.63**	**—**	**—**	**100**
Stonybrook (MA)	—	—	—	—	—	—	—	—	5,531	256.6	2.63	—	—	100
Medina Electric Coop Inc	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**557**	**264.4**	**3.02**	**—**	**—**	**100**
Pearsall (TX)	—	—	—	—	—	—	—	—	557	264.4	3.02	—	—	100
Metropolitan Edison Co	**1,180**	**140.4**	**36.93**	**1.53**	**8**	**396.2**	**22.63**	**.30**	**—**	**—**	**—**	**100**	*	**—**
Portland (PA)	698	142.5	37.32	1.64	—	—	—	—	—	—	—	100	—	—
Titus (PA)	482	137.4	36.35	1.37	8	396.2	22.63	.30	—	—	—	100	*	—
Michigan South Central Pwr Agy	**118**	**155.0**	**37.19**	**3.21**	*	**525.6**	**31.13**	**.30**	**—**	**—**	**—**	**100**	*	**—**
Project I (MI)	118	155.0	37.19	3.21	*	525.6	31.13	.30	—	—	—	100	*	—
MidAmerican Energy	**12,476**	**73.9**	**12.48**	**.34**	**16**	**353.9**	**20.22**	**.04**	**553**	**356.3**	**3.60**	**100**	*	*
Riverside (IA)	452	85.8	14.47	.32	—	—	—	—	273	341.5	3.45	97	—	3
Council Bluffs (IA)	2,981	63.9	10.69	.35	11	392.5	22.42	.06	49	369.8	3.68	100	*	*
George Neal 1-4 (IA)	6,339	72.6	12.37	.33	5	269.0	15.37	.00	160	400.7	4.05	100	*	*
Louisa (IA)	2,704	86.1	14.40	.34	—	—	—	—	70	304.0	3.13	100	—	*
Minnesota Power & Light Co	**3,899**	**115.1**	**20.80**	**.54**	**32**	**443.3**	**25.51**	**.20**	**—**	**—**	**—**	**100**	*	**—**
Laskin Energy Center (MN)	280	122.4	22.85	.36	2	468.1	26.94	.20	—	—	—	100	*	—
Boswell Energy Center (MN)	3,618	114.5	20.64	.56	30	441.6	25.41	.20	—	—	—	100	*	—
Minnkota Power Coop Inc	**4,468**	**58.2**	**7.73**	**.89**	**23**	**410.7**	**24.15**	**.40**	**—**	**—**	**—**	**100**	*	**—**
Young (ND)	4,468	58.2	7.73	.89	23	410.7	24.15	.40	—	—	—	100	*	—
Mississippi Power & Light Co	**—**	**—**	**—**	**—**	**4,955**	**153.1**	**10.17**	**2.73**	**51,244**	**244.3**	**2.51**	**—**	**38**	**62**
Wilson (MS)	—	—	—	—	2,468	151.1	10.03	2.51	31,380	242.7	2.49	—	34	66
Delta (MS)	—	—	—	—	1	152.8	9.98	3.00	3,796	253.6	2.60	—	*	100
Brown (MS)	—	—	—	—	3	303.2	17.93	.42	6,662	232.7	2.37	—	*	100
Gerald Andrus (MS)	—	—	—	—	2,483	155.0	10.30	2.95	9,407	254.1	2.62	—	63	37
Mississippi Power Co	**5,385**	**147.7**	**31.92**	**.71**	**28**	**344.8**	**20.13**	**.38**	**13,593**	**240.5**	**2.48**	**89**	*	**11**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Mississippi Power Co														
Eaton (MS)	—	—	—	—	—	—	—	—	2,399	239.7	2.43	—	—	100
Sweatt (MS)	—	—	—	—	—	—	—	—	2,842	264.2	2.71	—	—	100
Watson (MS)	2,225	141.8	33.38	1.13	15	335.6	19.64	0.39	7,432	234.6	2.42	87	*	13
Daniel (MS)	3,160	152.5	30.89	.42	13	355.7	20.70	.37	—	—	—	100	*	—
Bay Gas (MS)	—	—	—	—	—	—	—	—	584	216.8	2.24	—	—	100
Petal Gas (MS)	—	—	—	—	—	—	—	—	336	220.8	2.30	—	—	100
Monongahela Power Co	**13,345**	**104.6**	**26.23**	**3.01**	**44**	**418.6**	**24.79**	**.30**	**405**	**299.8**	**3.00**	**100**	*	*
Albright (WV)	460	104.6	26.16	1.55	6	421.5	24.96	.30	—	—	—	100	*	—
Ft Martin (WV)	3,046	103.5	26.52	1.71	14	483.3	28.62	.30	—	—	—	100	*	—
Harrison (WV)	5,751	111.0	27.71	3.46	6	358.6	21.23	.30	179	331.4	3.31	100	*	*
Rivesville (WV)	171	118.0	28.61	.99	2	434.2	25.71	.30	—	—	—	100	*	—
Willow Island (WV)	560	107.7	28.25	1.50	—	—	—	—	26	281.9	2.82	100	—	*
Pleasants (WV)	3,358	93.4	23.00	3.96	16	383.4	22.71	.29	199	273.7	2.74	100	*	*
Montana-Dakota Utilities Co	**3,158**	**81.6**	**11.37**	**1.00**	**—**	**—**	**—**	**—**	**40**	**294.7**	**3.48**	**100**	**—**	*
Heskett (ND)	500	103.3	14.60	.72	—	—	—	—	*	404.0	4.21	100	—	*
Lewis and Clark (MT)	215	89.2	11.98	.52	—	—	—	—	40	293.7	3.48	98	—	2
Coyote (ND)	2,442	76.4	10.66	1.10	—	—	—	—	—	—	—	100	—	—
Montana Power Co	**10,202**	**72.4**	**12.27**	**.73**	**20**	**491.0**	**28.89**	**.23**	**333** [2]	**170.3**	**1.84**	**100**	*	*
Corette (MT)	640	58.8	10.21	.21	—	—	—	—	333 [2]	170.3	1.84	97	—	3
Colstrip (MT)	9,562	73.3	12.41	.77	20	491.0	28.89	.23	—	—	—	100	*	—
Montaup Electric Co	**70**	**172.3**	**44.42**	**.67**	**2**	**201.8**	**11.71**	**.12**	**—**	**—**	**—**	**99**	**1**	**—**
Somerset (MA)	70	172.3	44.42	.67	2	201.8	11.71	.12	—	—	—	99	1	—
Morgan City City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,297**	**241.9**	**2.59**	**—**	**—**	**100**
Morgan City (LA)	—	—	—	—	—	—	—	—	1,297	241.9	2.59	—	—	100
Muscatine City of	**1,146**	**77.0**	**12.69**	**.89**	**5**	**497.1**	**28.92**	**.50**	**351**	**309.4**	**3.17**	**98**	*	**2**
Muscatine (IA)	1,146	77.0	12.69	.89	5	497.1	28.92	.50	351	309.4	3.17	98	*	2
Nebraska Public Power District	**6,051**	**49.2**	**8.49**	**.26**	**4**	**448.8**	**26.04**	**.07**	**279**	**268.5**	**2.68**	**100**	*	*
Sheldon (NE)	918	63.1	11.05	.21	—	—	—	—	23	545.6	5.46	100	—	*
Gerald Gentleman (NE)	5,133	46.7	8.03	.27	4	448.8	26.04	.07	257	244.2	2.44	100	*	*
Nevada Power Co	**1,906**	**117.3**	**27.33**	**.46**	**20**	**452.6**	**26.45**	**.25**	**30,729**	**226.9**	**2.34**	**58**	*	**42**
Clark (NV)	—	—	—	—	—	—	—	—	28,954	226.7	2.34	—	—	100
Gardner (NV)	1,906	117.3	27.33	.46	16	448.8	26.22	.30	—	—	—	100	*	—
Sunrise (NV)	—	—	—	—	3	471.2	27.53	.00	1,774	230.6	2.38	—	1	99
New Orleans Public Service Inc	**—**	**—**	**—**	**—**	**446**	**160.2**	**10.51**	**1.49**	**33,291**	**243.1**	**2.52**	**—**	**8**	**92**
Paterson (LA)	—	—	—	—	4	298.8	17.67	.44	1,561	272.6	2.84	—	2	98
Michoud (LA)	—	—	—	—	441	159.0	10.44	1.50	31,730	241.6	2.51	—	8	92
New York State Elec & Gas Corp	**1,152**	**134.3**	**34.84**	**2.22**	**5**	**387.5**	**22.30**	**.14**	**—**	**—**	**—**	**100**	*	**—**
Goudey (NY)	77	140.3	37.65	2.28	1	516.4	29.71	.14	—	—	—	100	*	—
Greenidge (NY)	119	141.4	37.43	1.48	2	384.0	22.09	.14	—	—	—	100	*	—
Hickling (NY)	67	126.6	26.25	.83	—	—	—	—	—	—	—	100	—	—
Jennison (NY)	1	146.3	32.28	.83	—	—	—	—	—	—	—	100	—	—
Milliken (NY)	253	135.2	35.34	2.38	1	409.5	23.56	.14	—	—	—	100	*	—
Kintigh (NY)	635	132.5	34.73	2.44	3	358.4	20.62	.14	—	—	—	100	*	—
Niagara Mohawk Power Corp	**1,101**	**137.1**	**36.03**	**1.90**	**860**	**250.5**	**15.82**	**1.21**	**11,555**	**284.8**	**2.89**	**63**	**12**	**25**
Albany (NY)	—	—	—	—	252	156.6	9.89	1.31	9,234	281.1	2.85	—	15	85
Huntley (NY)	548	143.2	37.54	1.79	9	337.2	18.61	.35	—	—	—	100	*	—
Dunkirk (NY)	553	131.1	34.53	2.00	5	324.1	17.94	.38	—	—	—	100	*	—
Oswego (NY)	—	—	—	—	593	288.5	18.27	1.19	2,320	299.6	3.05	—	61	39
Northern Indiana Pub Serv Co	**8,961**	**124.8**	**24.92**	**1.32**	**—**	**—**	**—**	**—**	**3,346** [2]	**284.2**	**2.91**	**98**	**—**	**2**
Bailly (IN)	1,372	129.7	28.47	2.52	—	—	—	—	98	347.0	3.56	100	—	*
Mitchell (IN)	1,044	131.2	24.31	.39	—	—	—	—	1,561	269.4	2.76	92	—	8

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Northern Indiana Pub Serv Co														
Michigan City (IN)	1,250	134.3	25.59	0.45	—	—	—	—	1,248 [2]	286.5	2.94	95	—	5
Rollin Schahfer (IN)	5,295	120.1	23.95	1.39	—	—	—	—	439	316.6	3.25	100	—	*
Northern States Power Co	**12,278**	**107.2**	**18.91**	**.40**	**3**	**270.3**	**15.69**	**0.40**	**1,730**	**291.2**	**2.96**	**99**	*****	**1**
Black Dog (MN)	827	99.6	17.77	.19	—	—	—	—	654	259.2	2.64	96	—	4
High Bridge (MN)	719	99.5	17.63	.19	—	—	—	—	345	292.6	2.99	97	—	3
King (MN)	1,645	106.6	18.94	.28	—	—	—	—	13	280.8	2.87	100	—	*
Riverside (MN)	1,228	94.0	16.66	.19	—	—	—	—	95	273.1	2.78	100	—	*
Bay Front (WI)	74	166.2	38.94	.58	—	—	—	—	622	327.3	3.30	86	—	14
Sherburne County (MN)	7,784	110.2	19.31	.50	3	270.3	15.69	.40	—	—	—	100	*	—
Ohio Edison Co	**7,069**	**112.4**	**27.69**	**1.58**	**68**	**172.1**	**10.09**	**.34**	**1,816**	**245.5**	**2.53**	**99**	*****	**1**
Edgewater (OH)	—	—	—	—	52	133.3	7.84	.34	1,816	245.5	2.53	—	14	86
Niles (OH)	541	106.5	25.16	2.85	5	221.8	12.92	.36	—	—	—	100	*	—
Burger (OH)	778	92.0	22.69	3.23	4	357.5	20.78	.34	—	—	—	100	*	—
Sammis (OH)	5,750	115.7	28.61	1.24	8	308.7	17.97	.32	—	—	—	100	*	—
Ohio Power Co	**14,504**	**164.9**	**39.13**	**2.47**	**161**	**465.9**	**27.20**	**.07**	**—**	**—**	**—**	**100**	*****	**—**
Muskingum (OH)	2,533	190.1	45.81	2.16	41	428.0	24.87	.05	—	—	—	100	*	—
Kammer (WV)	1,546	91.5	22.70	3.05	7	471.8	27.69	.07	—	—	—	100	*	—
Mitchell (WV)	3,788	139.0	34.49	.78	67	465.5	27.22	.07	—	—	—	100	*	—
Gavin (OH)	6,638	189.5	43.06	3.42	46	499.4	29.20	.10	—	—	—	100	*	—
Ohio Valley Electric Corp	**3,080**	**110.8**	**28.47**	**2.42**	**9**	**454.8**	**25.98**	**.28**	**—**	**—**	**—**	**100**	*****	**—**
Kyger Creek (OH)	3,080	110.8	28.47	2.42	9	454.8	25.98	.28	—	—	—	100	*	—
Oklahoma Gas & Electric Co	**11,496**	**82.2**	**14.17**	**.30**	**10**	**495.5**	**29.62**	**.05**	**62,113**	**303.5**	**3.15**	**75**	*****	**25**
Horseshoe Lake (OK)	—	—	—	—	—	—	—	—	9,399	287.2	2.98	—	—	100
Muskogee (OK)	6,530	84.7	14.61	.29	—	—	—	—	3,238	286.4	2.97	97	—	3
Mustang (OK)	—	—	—	—	—	—	—	—	9,445	306.7	3.19	—	—	100
Seminole (OK)	—	—	—	—	—	—	—	—	40,031	308.0	3.19	—	—	100
Sooner (OK)	4,966	79.0	13.60	.31	10	495.5	29.62	.05	—	—	—	100	*	—
Omaha Public Power District	**4,896**	**59.9**	**10.03**	**.33**	**11**	**425.1**	**24.55**	**.20**	**709**	**305.1**	**3.01**	**99**	*****	**1**
North Omaha (NE)	2,106	66.8	11.21	.33	—	—	—	—	709	305.1	3.01	98	—	2
Nebraska City (NE)	2,790	54.7	9.14	.34	11	425.1	24.55	.20	—	—	—	100	*	—
Orange & Rockland Utils Inc	**268**	**183.9**	**47.70**	**.59**	**639**	**206.8**	**12.97**	**.34**	**10,651**	**235.7**	**2.44**	**32**	**18**	**50**
Bowline (NY)	—	—	—	—	610	207.8	13.02	.34	9,047	234.6	2.43	—	29	71
Lovett (NY)	268	183.9	47.70	.59	29	186.8	11.79	.36	1,605	241.8	2.51	79	2	19
Orlando Utilities Comm	**2,116**	**168.3**	**43.12**	**1.11**	**1,009**	**240.9**	**15.31**	**1.18**	**10,048**	**282.7**	**2.96**	**76**	**9**	**15**
Stanton Energy (FL)	2,116	168.3	43.12	1.11	14	317.8	19.96	.81	—	—	—	100	*	—
Indian River (FL)	—	—	—	—	995	239.8	15.24	1.18	10,048	282.7	2.96	—	38	62
Orrville City of	**186**	**101.2**	**23.50**	**3.50**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Orrville (OH)	186	101.2	23.50	3.50	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co	**2,409**	**98.6**	**17.20**	**.57**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Hoot Lake (MN)	350	125.7	23.31	.40	—	—	—	—	—	—	—	100	—	—
Big Stone (SD)	2,059	93.6	16.16	.60	—	—	—	—	—	—	—	100	—	—
Owensboro City of	**1,304**	**94.0**	**20.65**	**3.37**	**3**	**406.1**	**23.88**	**.04**	**—**	**—**	**—**	**100**	*****	**—**
Smith (KY)	1,304	94.0	20.65	3.37	3	406.1	23.88	.04	—	—	—	100	*	—
Pacific Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**36,102**	**247.6**	**2.54**	**—**	**—**	**100**
Contra Costa (CA)	—	—	—	—	—	—	—	—	7,921	239.6	2.45	—	—	100
Humboldt Bay (CA)	—	—	—	—	—	—	—	—	3,179	275.7	2.82	—	—	100
Hunters Point (CA)	—	—	—	—	—	—	—	—	8,241	260.9	2.65	—	—	100
Pittsburg (CA)	—	—	—	—	—	—	—	—	14,350	240.0	2.48	—	—	100
Potrero (CA)	—	—	—	—	—	—	—	—	2,411	237.1	2.42	—	—	100
PacifiCorp	**30,773**	**93.0**	**17.78**	**.56**	**93**	**470.3**	**27.65**	**.30**	**4,601** [2]	**258.1**	**2.69**	**99**	*****	**1**

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
PacifiCorp														
Carbon (UT)	569	58.0	14.18	0.43	4	532.3	31.30	0.30	—	—	—	100	*	—
Gadsby (UT)	—	—	—	—	—	—	—	—	4,435	253.8	2.65	—	—	100
Centralia (WA)	5,486	156.0	25.65	.75	13	478.8	28.15	.30	—	—	—	100	*	—
Johnston (WY)	3,717	46.6	7.41	.45	18	418.5	24.61	.30	—	—	—	100	*	—
Naughton (WY)	2,529	115.5	23.05	.75	—	—	—	—	166 [2]	372.3	3.89	100	—	*
Wyodak (WY)	2,080	73.6	11.81	.53	7	527.8	31.03	.30	—	—	—	100	*	—
Emery-Hunter (UT)	4,305	72.8	16.84	.47	21	486.4	28.60	.30	—	—	—	100	*	—
Jim Bridger (WY)	9,168	100.0	18.68	.54	19	417.4	24.54	.30	—	—	—	100	*	—
Huntington (UT)	2,919	62.8	15.14	.39	11	546.3	32.12	.30	—	—	—	100	*	—
Painesville City of	**92**	**131.7**	**32.99**	**2.52**	**—**	**—**	**—**	**—**	**12**	**438.7**	**4.39**	**99**	**—**	**1**
Painesville (OH)	92	131.7	32.99	2.52	—	—	—	—	12	438.7	4.39	99	—	1
Pasadena City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**2,495**	**249.8**	**2.53**	**—**	**—**	**100**
Broadway (CA)	—	—	—	—	—	—	—	—	2,495	249.8	2.53	—	—	100
Pennsylvania Electric Co	**12,679**	**115.8**	**28.71**	**2.01**	**76**	**357.7**	**20.82**	**.05**	**3**	**465.8**	**4.83**	**100**	*****	*****
Conemaugh (PA)	4,681	104.8	26.54	2.29	—	—	—	—	3	465.8	4.83	100	—	*
Homer City (PA)	1,322	116.8	26.24	2.46	7	220.6	12.83	.05	—	—	—	100	*	—
Seward (PA)	322	110.0	27.05	1.62	9	399.8	23.28	.05	—	—	—	99	1	—
Shawville (PA)	1,311	113.7	28.07	1.78	24	369.1	21.49	.05	—	—	—	100	*	—
Warren (PA)	126	116.4	28.61	1.77	36	365.2	21.26	.05	—	—	—	94	6	—
Keystone (PA)	4,917	127.0	31.74	1.71	—	—	—	—	—	—	—	100	—	—
Pennsylvania Power & Light Co	**7,164**	**137.7**	**35.15**	**1.64**	**1,484**	**257.9**	**16.39**	**.72**	**6,250**	**303.8**	**3.14**	**92**	**5**	**3**
Brunner Island (PA)	3,089	144.3	37.22	1.36	55	403.3	23.41	.17	—	—	—	100	*	—
Holtwood (PA)	1	133.3	29.57	1.16	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA)	344	124.7	32.89	2.03	—	—	—	—	6,250	303.8	3.14	58	—	42
Montour (PA)	3,285	136.5	35.03	1.91	104	336.2	19.64	.11	—	—	—	99	1	—
Sunbury (PA)	445	106.8	23.43	1.20	8	390.8	22.85	.16	—	—	—	100	*	—
Storage Facility # 1	—	—	—	—	1,317	246.0	15.80	.79	—	—	—	—	100	—
Pennsylvania Power Co	**5,004**	**160.9**	**38.78**	**3.38**	**43** [2]	**355.8**	**20.54**	**.06**	**—**	**—**	**—**	**100**	*****	**—**
New Castle (PA)	658	115.8	27.73	1.64	3 [2]	509.8	29.62	.12	—	—	—	100	*	—
Bruce Mansfield (PA)	4,346	167.7	40.45	3.65	40	344.1	19.85	.06	—	—	—	100	*	—
Philadelphia Electric Co	**1,260**	**144.5**	**38.18**	**1.83**	**2,943**	**265.6**	**16.79**	**.45**	**2,920**	**258.9**	**2.67**	**61**	**34**	**5**
Cromby (PA)	243	142.9	37.76	1.81	393	262.5	16.68	.64	356	255.8	2.64	69	27	4
Delaware (PA)	—	—	—	—	411	251.6	15.99	.36	—	—	—	—	100	—
Eddystone (PA)	1,017	144.9	38.28	1.84	2,004	267.0	16.85	.43	2,564	259.3	2.67	64	30	6
Schuylkill (PA)	—	—	—	—	135	295.1	18.60	.38	—	—	—	—	100	—
Plains Elec Gen&Trans Coop Inc	**926**	**131.5**	**24.35**	**.84**	**—**	**—**	**—**	**—**	**224**	**304.1**	**2.52**	**99**	**—**	**1**
Escalante (NM)	926	131.5	24.35	.84	—	—	—	—	224	304.1	2.52	99	—	1
Platte River Power Authority	**1,327**	**59.9**	**10.55**	**.25**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Rawhide (CO)	1,327	59.9	10.55	.25	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co	**2,326**	**107.9**	**19.34**	**.39**	**42**	**414.1**	**24.35**	**.10**	**23,351**	**193.6**	**1.96**	**64**	*****	**36**
Boardman (OR)	2,326	107.9	19.34	.39	—	—	—	—	—	—	—	100	—	—
Coyote Springs (OR)	—	—	—	—	—	—	—	—	9,641	173.8	1.76	—	—	100
Beaver (OR)	—	—	—	—	42	414.1	24.35	.10	13,710	207.6	2.10	—	2	98
Potomac Edison Co	**122**	**130.3**	**32.11**	**.97**	**3**	**345.5**	**20.46**	**.30**	**—**	**—**	**—**	**99**	**1**	**—**
Smith (MD)	122	130.3	32.11	.97	3	345.5	20.46	.30	—	—	—	99	1	—
Potomac Electric Power Co	**6,591**	**137.9**	**36.33**	**1.26**	**4,416**	**272.6**	**17.17**	**.89**	**6,025**	**286.7**	**2.98**	**84**	**13**	**3**
Benning (DC)	—	—	—	—	412	339.5	20.43	.97	—	—	—	—	100	—
Chalk (MD)	1,659	144.2	37.93	1.29	3,938	263.9	16.72	.89	6,025	286.7	2.98	58	33	8
Dickerson (MD)	1,280	124.8	33.07	1.27	14	385.1	22.49	.20	—	—	—	100	*	—
Morgantown (MD)	2,538	137.6	36.20	1.46	23	438.7	25.62	.30	—	—	—	100	*	—
Potomac River (VA)	1,114	144.4	37.96	.76	29	380.0	22.21	.20	—	—	—	99	1	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Power Authority of State of NY	**—**	**—**	**—**	**—**	**921**	**214.8**	**13.41**	**0.29**	**18,019**	**386.1**	**3.97**	**—**	**24**	**76**
Poletti (NY)	—	—	—	—	921	214.8	13.41	.29	11,014	314.9	3.25	—	34	66
Richard Flynn (NY)	—	—	—	—	—	—	—	—	7,006	498.8	5.10	—	—	100
Public Service Co of Colorado	**10,597**	**96.3**	**18.32**	**0.37**	**—**	**—**	**—**	**—**	**14,461**	**249.8**	**2.59**	**93**	**—**	**7**
Araphoe (CO)	799	82.9	14.57	.28	—	—	—	—	838	275.9	2.72	94	—	6
Cameo (CO)	325	117.3	25.68	.59	—	—	—	—	40	297.1	3.00	99	—	1
Cherokee (CO)	2,203	100.6	22.60	.48	—	—	—	—	1,046	284.7	2.81	98	—	2
Comanche (CO)	2,975	93.7	16.06	.29	—	—	—	—	76	244.3	2.43	100	—	*
Valmont (CO)	340	109.6	24.07	.44	—	—	—	—	87	297.3	2.93	99	—	1
Zuni (CO)	—	—	—	—	—	—	—	—	349	287.7	2.84	—	—	100
Hayden (CO)	1,363	107.7	22.87	.41	—	—	—	—	—	—	—	100	—	—
Fort St. Vrain (CO)	—	—	—	—	—	—	—	—	11,971	243.3	2.54	—	—	100
Pawnee (CO)	2,591	85.5	14.34	.34	—	—	—	—	53	344.9	3.61	100	—	*
PSI Energy Inc	**16,030**	**109.0**	**24.29**	**1.76**	**288**	**409.5**	**23.57**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Cayuga (IN)	3,046	114.1	24.86	1.39	13	466.2	26.83	.30	—	—	—	100	*	—
Edwardsport (IN)	264	92.2	20.28	1.60	56	421.1	24.23	.30	—	—	—	95	5	—
Noblesville (IN)	203	116.1	26.60	1.96	3	373.2	21.48	.30	—	—	—	100	*	—
Gallagher (IN)	1,287	114.7	29.14	2.11	52	403.0	23.19	.30	—	—	—	99	1	—
Wabash River (IN)	2,024	108.5	23.65	1.88	111	417.1	24.00	.30	—	—	—	99	1	—
Gibson Station (IN)	9,207	106.9	23.62	1.81	52	375.4	21.60	.30	—	—	—	100	*	—
Public Service Co of NH	**1,335**	**151.5**	**39.79**	**1.35**	**2,615**	**213.6**	**13.75**	**1.54**	**196**	**261.0**	**2.67**	**67**	**32**	*****
Merrimack (NH)	815	156.9	41.49	1.76	2	404.3	23.40	.27	—	—	—	100	*	—
Schiller (NH)	520	142.9	37.14	.70	—	—	—	—	—	—	—	100	—	—
Newington Station (NH)	—	—	—	—	2,613	213.5	13.74	1.55	196	261.0	2.67	—	99	1
Public Service Co of NM	**6,623**	**173.8**	**32.33**	**.83**	**65**	**502.3**	**28.69**	**.67**	**1,830**	**332.3**	**3.39**	**98**	*****	**1**
Reeves (NM)	—	—	—	—	—	—	—	—	1,830	332.3	3.39	—	—	100
San Juan (NM)	6,623	173.8	32.33	.83	65	502.3	28.69	.67	—	—	—	100	*	—
Public Service Co of Oklahoma	**3,716**	**118.0**	**20.40**	**.21**	**—**	**—**	**—**	**—**	**79,118**	**253.9**	**2.59**	**44**	**—**	**56**
Northeastern (OK)	3,716	118.0	20.40	.21	—	—	—	—	20,624	254.5	2.59	75	—	25
Southwestern (OK)	—	—	—	—	—	—	—	—	10,482	246.7	2.55	—	—	100
Tulsa (OK)	—	—	—	—	—	—	—	—	5,655	262.8	2.59	—	—	100
Riverside (OK)	—	—	—	—	—	—	—	—	27,621	251.9	2.57	—	—	100
Comanche (CS) (OK)	—	—	—	—	—	—	—	—	14,736	258.4	2.67	—	—	100
Public Service Electric&Gas Co	**1,911**	**141.1**	**37.39**	**.79**	**311**	**369.9**	**22.44**	**.20**	**18,539**	**297.8**	**3.07**	**71**	**3**	**27**
Bergen (NJ)	—	—	—	—	—	—	—	—	7,626	295.1	3.04	—	—	100
Burlington (NJ)	—	—	—	—	98	448.6	25.40	.01	2,020	297.3	3.07	—	21	79
Hudson (NJ)	886	141.9	35.89	.88	—	—	—	—	4,440	297.2	3.06	83	—	17
Kearny (NJ)	—	—	—	—	84	340.0	21.47	.29	—	—	—	—	100	—
Linden (NJ)	—	—	—	—	129	335.5	20.85	.29	—	—	—	—	100	—
Mercer (NJ)	1,025	140.5	38.68	.71	—	—	—	—	1,793	304.8	3.14	94	—	6
Sewaren (NJ)	—	—	—	—	—	—	—	—	2,661	301.9	3.11	—	—	100
Richmond City of	**334**	**124.1**	**29.77**	**2.68**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Whitewater (IN)	334	124.1	29.77	2.68	—	—	—	—	—	—	—	100	—	—
Rochester Public Utilities	**106**	**158.4**	**35.08**	**.88**	**—**	**—**	**—**	**—**	**122**	**283.9**	**2.90**	**95**	**—**	**5**
Silver Lake (MN)	106	158.4	35.08	.88	—	—	—	—	122	283.9	2.90	95	—	5
Rochester Gas & Electric Corp	**579**	**140.5**	**37.04**	**2.14**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Beebee Station 3 (NY)	25	155.8	39.31	1.89	—	—	—	—	—	—	—	100	—	—
Russell Station 7 (NY)	554	139.8	36.93	2.15	—	—	—	—	—	—	—	100	—	—
Ruston City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**2,001**	**234.5**	**2.41**	**—**	**—**	**100**
Steam Plant (LA)	—	—	—	—	—	—	—	—	2,001	234.5	2.41	—	—	100
Sacramento Municipal Utility	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**28,991**	**236.0**	**2.36**	**—**	**—**	**100**
Central Valley (CA)	—	—	—	—	—	—	—	—	5,495	238.3	2.38	—	—	100
SCA Cogen Proj (CA)	—	—	—	—	—	—	—	—	10,042	235.3	2.35	—	—	100
SPA Cogen Proj (CA)	—	—	—	—	—	—	—	—	13,454	235.6	2.36	—	—	100

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Salt River Proj Ag I & P Dist	**10,963**	**127.2**	**27.14**	**0.50**	**60**	**490.6**	**28.80**	**0.42**	**17,441**	**258.9**	**2.61**	**93**	*	**7**
Agua Fria (AZ)	—	—	—	—	4	461.5	27.30	.05	11,003	259.4	2.61	—	*	100
Kyrene (AZ)	—	—	—	—	—	—	—	—	546	320.1	3.25	—	—	100
Navajo (AZ)	8,129	116.7	25.54	.53	35	496.6	29.13	.47	—	—	—	100	*	—
Coronado (AZ)	2,835	160.3	31.74	.43	22	486.2	28.52	.41	—	—	—	100	*	—
Santan (AZ)	—	—	—	—	—	—	—	—	5,893	252.2	2.56	—	—	100
San Antonio City of	**6,879**	**96.2**	**16.29**	**.33**	**—**	**—**	**—**	**—**	**51,940**	**250.3**	**2.53**	**70**	**—**	**30**
Leon Creek (TX)	—	—	—	—	—	—	—	—	702	274.5	2.75	—	—	100
Mission Rd (TX)	—	—	—	—	—	—	—	—	361	275.6	2.79	—	—	100
Sommers (TX)	—	—	—	—	—	—	—	—	28,388	243.5	2.46	—	—	100
Braunig (TX)	—	—	—	—	—	—	—	—	19,117	256.5	2.59	—	—	100
Tuttle (TX)	—	—	—	—	—	—	—	—	3,329	264.9	2.67	—	—	100
JT Deely/Spruce (TX)	6,879	96.2	16.29	.33	—	—	—	—	43	225.8	2.28	100	—	*
San Diego Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**18,215**	**287.0**	**2.90**	**—**	**—**	**100**
Encina (CA)	—	—	—	—	—	—	—	—	11,542	284.1	2.87	—	—	100
South Bay (CA)	—	—	—	—	—	—	—	—	6,673	292.0	2.95	—	—	100
San Miguel Electric Coop Inc	**3,086**	**72.3**	**7.62**	**1.76**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
San Miquel (TX)	3,086	72.3	7.62	1.76	—	—	—	—	—	—	—	100	—	—
Savannah Electric & Power Co	**792**	**142.2**	**34.23**	**.83**	**5**	**349.7**	**20.27**	**.50**	**2,712**	**263.3**	**2.70**	**87**	*	**13**
Kraft (GA)	444	139.6	35.01	.75	—	—	—	—	1,876	264.8	2.71	85	*	15
Riverside (GA)	—	—	—	—	—	—	—	—	836	260.1	2.66	—	—	100
McIntosh (GA)	348	145.9	33.22	.94	5	349.7	20.27	.50	—	—	—	100	*	—
Seminole Electric Coop Inc	**3,109**	**162.4**	**40.38**	**2.85**	**44**	**387.1**	**22.50**	**.27**	**—**	**—**	**—**	**100**	*	**—**
Seminole (FL)	3,109	162.4	40.38	2.85	44	387.1	22.50	.27	—	—	—	100	*	—
Sierra Pacific Power Co	**1,676**	**140.5**	**32.45**	**.41**	**—**	**—**	**—**	**—**	**27,594**	**258.0**	**2.68**	**57**	**—**	**43**
Fort Churchill (NV)	—	—	—	—	—	—	—	—	10,793	259.6	2.71	—	—	100
Tracy (NV)	—	—	—	—	—	—	—	—	11,456	257.5	2.67	—	—	100
Pinon Pine (NV)	—	—	—	—	—	—	—	—	5,346	255.6	2.65	—	—	100
North Valmy (NV)	1,676	140.5	32.45	.41	—	—	—	—	—	—	—	100	—	—
Sikeston City of	**1,006**	**100.5**	**17.59**	**.34**	**5**	**415.2**	**24.59**	**.70**	**—**	**—**	**—**	**100**	*	**—**
Sikeston (MO)	1,006	100.5	17.59	.34	5	415.2	24.59	.70	—	—	—	100	*	—
South Carolina Electric&Gas Co	**6,078**	**149.1**	**37.97**	**1.10**	**74**	**408.9**	**23.70**	**.20**	**337**	**347.3**	**3.57**	**100**	*	*
Canadys (SC)	439	148.6	38.06	1.31	17	377.5	21.88	.20	116	344.8	3.54	98	1	1
Mcmeekin (SC)	686	150.4	38.88	1.23	1	339.0	19.65	.20	4	314.1	3.23	100	*	*
Urguhart (SC)	622	155.0	40.17	1.23	1	407.4	23.61	.20	217	349.1	3.59	99	*	1
Wateree (SC)	1,707	147.7	37.06	1.24	30	421.8	24.45	.20	—	—	—	100	*	—
Williams (SC)	1,590	150.6	38.69	.76	15	408.6	23.69	.20	*	449.0	4.62	100	*	*
Cope (SC)	1,034	144.9	36.38	1.13	9	437.1	25.33	.20	—	—	—	100	*	—
South Carolina Pub Serv Auth	**6,026**	**134.0**	**34.53**	**1.20**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Cross (SC)	2,686	133.3	34.19	1.11	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	299	150.7	38.87	1.57	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	698	132.7	34.62	1.52	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	2,343	133.0	34.33	1.17	—	—	—	—	—	—	—	100	—	—
South Mississippi El Pwr Assn	**1,038**	**189.5**	**46.93**	**.88**	**—**	**—**	**—**	**—**	**8,407**	**235.6**	**2.43**	**75**	**—**	**25**
Moselle (MS)	—	—	—	—	—	—	—	—	8,407	235.6	2.43	—	—	100
R D Morrow (MS)	1,038	189.5	46.93	.88	—	—	—	—	—	—	—	100	—	—
Southern California Edison Co	**4,493**	**130.5**	**28.65**	**.49**	**10**	**327.2**	**19.91**	**.20**	**579**	**302.7**	**3.12**	**99**	*	**1**
Mohave (NV)	4,493	130.5	28.65	.49	—	—	—	—	579	302.7	3.12	99	—	1
Storage Facility # 1	—	—	—	—	10	327.2	19.91	.20	—	—	—	—	100	—
Southern Illinois Power Coop	**775**	**94.6**	**20.25**	**2.82**	**12**	**412.3**	**23.49**	**.03**	**—**	**—**	**—**	**100**	*	**—**
Marion (IL)	775	94.6	20.25	2.82	12	412.3	23.49	.03	—	—	—	100	*	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Southern Indiana Gas & Elec Co	**2,783**	**96.4**	**22.21**	**3.73**	**—**	**—**	**—**	**—**	**469**	**325.3**	**3.35**	**99**	**—**	**1**
Culley (IN)	1,199	93.9	21.89	4.01	—	—	—	—	46	343.7	3.53	100	—	*
A B Brown (IN)	1,322	99.0	22.75	3.70	—	—	—	—	305	312.5	3.21	99	—	1
Warrick (IN)	262	94.9	20.96	2.66	—	—	—	—	118	351.0	3.61	98	—	2
Southwestern Electric Power Co	**12,848**	**141.4**	**22.53**	**.54**	**12**	**292.2**	**17.18**	**0.00**	**45,018**	**245.3**	**2.55**	**81**	*****	**19**
Arsenal Hill (LA)	—	—	—	—	—	—	—	—	2,999	241.4	2.57	—	—	100
Lieberman (LA)	—	—	—	—	—	—	—	—	4,478	266.0	2.70	—	—	100
Knox Lee (TX)	—	—	—	—	—	—	—	—	13,726	239.7	2.48	—	—	100
Lone Star (TX)	—	—	—	—	—	—	—	—	600	279.1	3.03	—	—	100
Wilkes (TX)	—	—	—	—	—	—	—	—	22,805	244.5	2.55	—	—	100
Flint Creek (AR)	2,328	141.5	24.25	.27	7	327.0	19.23	.00	—	—	—	100	*	—
Welsh Station (TX)	6,893	154.1	26.18	.30	5	243.5	14.32	.00	—	—	—	100	*	—
Pirkey (TX)	3,627	110.2	14.51	1.17	—	—	—	—	410	230.1	2.31	99	—	1
Southwestern Public Service Co	**8,959**	**145.4**	**25.58**	**.34**	**—**	**—**	**—**	**—**	**67,441**	**234.4**	**2.36**	**70**	**—**	**30**
Maddox (NM)	—	—	—	—	—	—	—	—	6,732	234.2	2.37	—	—	100
Cunningham (NM)	—	—	—	—	—	—	—	—	16,816	225.8	2.28	—	—	100
Jones (TX)	—	—	—	—	—	—	—	—	22,609	234.3	2.35	—	—	100
Moore (TX)	—	—	—	—	—	—	—	—	596	272.5	2.81	—	—	100
Nichols (TX)	—	—	—	—	—	—	—	—	12,540	237.5	2.41	—	—	100
Plant X (TX)	—	—	—	—	—	—	—	—	7,832	243.7	2.46	—	—	100
Riverview (TX)	—	—	—	—	—	—	—	—	39	264.0	2.59	—	—	100
Harrington (TX)	4,403	118.6	21.14	.35	—	—	—	—	183	265.4	2.67	100	—	*
Tolk (TX)	4,557	172.0	29.87	.33	—	—	—	—	94	294.5	3.05	100	—	*
Springfield City of	**1,111**	**110.3**	**23.08**	**3.02**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Dallman (IL)	1,013	110.4	23.10	3.01	—	—	—	—	—	—	—	100	—	—
Lakeside (IL)	97	109.2	22.87	3.12	—	—	—	—	—	—	—	100	—	—
Springfield City of	**1,757**	**107.3**	**19.67**	**.26**	**—**	**—**	**—**	**—**	**2,902**	**258.0**	**2.59**	**92**	**—**	**8**
James River (MO)	950	112.6	21.10	.33	—	—	—	—	2,258	258.6	2.60	89	—	11
Southwest (MO)	807	100.8	17.97	.18	—	—	—	—	644	255.7	2.57	96	—	4
St Joseph Light & Power Co	**457**	**94.4**	**18.13**	**.30**	**36**	**376.2**	**21.87**	**.04**	**1,672**	**272.9**	**2.72**	**82**	**2**	**16**
Lakeroad (MO)	457	94.4	18.13	.30	36	376.2	21.87	.04	1,672	272.9	2.72	82	2	16
Sunflower Electric Coop Inc	**1,561**	**106.1**	**17.96**	**.31**	**—**	**—**	**—**	**—**	**1,041**	**271.1**	**2.67**	**96**	**—**	**4**
Holcomb (KS)	1,561	106.1	17.96	.31	—	—	—	—	137	241.3	2.35	99	—	1
Garden City (KS)	—	—	—	—	—	—	—	—	904	275.6	2.72	—	—	100
Tallahassee City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**17,464**	**308.5**	**3.23**	**—**	**—**	**100**
Hopkins (FL)	—	—	—	—	—	—	—	—	15,066	307.9	3.22	—	—	100
Purdom (FL)	—	—	—	—	—	—	—	—	2,398	312.1	3.26	—	—	100
Tampa Electric Co[6]	**6,731**	**150.5**	**35.14**	**1.98**	**627**	**316.1**	**19.26**	**.58**	**—**	**—**	**—**	**98**	**2**	**—**
Big Bend (FL)	—	—	—	—	49	379.5	22.00	.15	—	—	—	—	100	—
Gannon (FL)	471	253.7	64.18	1.17	46	371.2	21.48	.12	—	—	—	98	2	—
Hookers Point (FL)	—	—	—	—	353	271.3	17.16	.96	—	—	—	—	100	—
Polk Station (FL)	—	—	—	—	179	381.1	22.09	.07	—	—	—	—	100	—
Davant Transfer (LA)	6,260	142.0	32.96	2.04	—	—	—	—	—	—	—	100	—	—
Taunton City of	**—**	**—**	**—**	**—**	**90**	**241.7**	**15.34**	**1.00**	**1,260**	**290.4**	**2.98**	**—**	**31**	**69**
Cleary (MA)	—	—	—	—	90	241.7	15.34	1.00	1,260	290.4	2.98	—	31	69
Tennessee Valley Authority[7]	**42,022**	**111.9**	**25.78**	**1.99**	**458**	**402.1**	**23.63**	**.50**	**—**	**—**	**—**	**100**	*****	**—**
Colbert (AL)	1,036	107.4	26.10	2.03	51	467.8	27.49	.50	—	—	—	99	1	—
Widows Creek (AL)	3,175	116.3	28.30	2.51	17	379.5	22.30	.50	—	—	—	100	*	—
Paradise (KY)	6,456	95.0	20.23	4.32	8	436.2	25.63	.50	—	—	—	100	*	—
Shawnee (KY)	3,788	127.3	29.08	.58	29	396.6	23.30	.50	—	—	—	100	*	—
Allen (TN)	—	—	—	—	34	467.8	27.49	.50	—	—	—	—	100	—
Bull Run (TN)	1,776	115.5	28.96	1.25	64	357.5	21.00	.50	—	—	—	99	1	—
Cumberland (TN)	7,165	109.0	25.61	2.82	66	410.4	24.11	.50	—	—	—	100	*	—
Gallatin (TN)	88	112.6	28.73	2.52	50	501.9	29.49	.50	—	—	—	88	12	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Tennessee Valley Authority[7]														
Sevier (TN)	2,090	128.6	32.71	1.56	3	390.3	22.94	0.50	—	—	—	100	*	—
Johnsonville (TN)	1,371	104.3	25.77	1.76	110	330.6	19.42	.50	—	—	—	98	2	—
Kingston (TN)	4,103	125.5	31.15	1.35	24	400.5	23.53	.50	—	—	—	100	*	—
GRT Terminal (TN)	8,537	107.9	23.51	1.00	—	—	—	—	—	—	—	100	—	—
Cora Transfer (TN)	2,407	108.5	22.96	.48	—	—	—	—	—	—	—	100	—	—
Cahokia (AL)	30	112.4	25.58	.40	—	—	—	—	—	—	—	100	—	—
Terrebonne Parish Consol Govt	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,417**	**263.4**	**2.81**	**—**	**—**	**100**
Houma (LA)	—	—	—	—	—	—	—	—	1,417	263.4	2.81	—	—	100
Texas Municipal Power Agency	**1,920**	**120.2**	**20.26**	**.33**	**—**	**—**	**—**	**—**	**57**	**244.4**	**2.49**	**100**	**—**	*****
Gibbons Creek (TX)	1,920	120.2	20.26	.33	—	—	—	—	57	244.4	2.49	100	—	*
Texas-New Mexico Power Co	**1,640**	**143.3**	**19.41**	**.91**	**—**	**—**	**—**	**—**	**142**	**236.6**	**2.40**	**99**	**—**	**1**
TNP One (Tx)	1,640	143.3	19.41	.91	—	—	—	—	142	236.6	2.40	99	—	1
Texas Utilities Electric Co[8]	**34,554**	**99.2**	**12.81**	**.82**	**187**	**395.9**	**22.95**	**.10**	**375,690**	**259.1**	**2.64**	**54**	*****	**46**
Lake Hubbard (TX)	—	—	—	—	29	492.7	28.56	.19	26,848	257.6	2.66	—	1	99
Mountain Creek (TX)	—	—	—	—	—	—	—	—	23,028	262.1	2.67	—	—	100
North Lake (TX)	—	—	—	—	20	464.2	26.91	.12	17,221	260.7	2.66	—	1	99
Parkdale (TX)	—	—	—	—	—	—	—	—	5,301	262.0	2.65	—	—	100
Eagle Mountain (TX)	—	—	—	—	—	—	—	—	10,921	260.1	2.64	—	—	100
Graham (TX)	—	—	—	—	—	—	—	—	23,435	256.7	2.59	—	—	100
Handley (TX)	—	—	—	—	6	481.6	27.91	.20	29,583	261.3	2.66	—	*	100
Morgan Creek (TX)	—	—	—	—	—	—	—	—	31,702	258.9	2.62	—	—	100
North Main (TX)	—	—	—	—	—	—	—	—	1,021	265.8	2.69	—	—	100
Permian Basin (TX)	—	—	—	—	—	—	—	—	32,414	259.1	2.66	—	—	100
Big Brown (TX)	4,972	111.5	14.28	.74	—	—	—	—	423	237.9	2.44	99	—	1
Collin (TX)	—	—	—	—	—	—	—	—	2,144	256.1	2.59	—	—	100
Lake Creek (TX)	—	—	—	—	1	439.5	25.47	.20	8,224	266.4	2.74	—	*	100
River Crest (TX)	—	—	—	—	—	—	—	—	1,458	263.7	2.76	—	—	100
Stryker (TX)	—	—	—	—	1	439.5	25.47	.20	25,007	253.6	2.60	—	*	100
Tradinghouse (TX)	—	—	—	—	—	—	—	—	59,092	258.2	2.64	—	—	100
Trinidad (TX)	—	—	—	—	—	—	—	—	5,147	259.3	2.62	—	—	100
Valley (TX)	—	—	—	—	18	481.6	27.91	.20	33,593	257.6	2.61	—	*	100
Martin Lake (TX)	14,133	81.2	10.58	1.05	58	344.8	19.98	.04	—	—	—	100	*	—
Monticello (TX)	11,628	115.1	14.42	.47	54	334.0	19.36	.05	—	—	—	100	*	—
Sandow No 4 (TX)	3,821	103.0	14.20	1.15	—	—	—	—	—	—	—	100	—	—
Decordova (TX)	—	—	—	—	—	—	—	—	39,127	261.2	2.66	—	—	100
Toledo Edison Co	**1,862**	**116.7**	**20.73**	**.26**	**5**	**431.2**	**25.07**	**.28**	**—**	**—**	**—**	**100**	*****	**—**
Bay Shore (OH)	1,862	116.7	20.73	.26	5	431.2	25.07	.28	—	—	—	100	*	—
Tri State G & T Assn Inc	**5,015**	**106.2**	**21.79**	**.44**	**—**	**—**	**—**	**—**	**140**	**281.0**	**3.12**	**100**	*****	*****
Nucla (CO)	359	109.7	23.66	.84	—	—	—	—	—	—	—	100	*	—
Craig (CO)	4,655	106.0	21.65	.41	—	—	—	—	140	281.0	3.12	100	—	*
Tucson Electric Power Co	**3,523**	**149.8**	**28.27**	**.82**	**9**	**505.0**	**29.22**	**.09**	**5,656**	**292.4**	**2.98**	**92**	*****	**8**
Irvington (AZ)	290	209.3	47.04	.47	—	—	—	—	5,656	292.4	2.98	53	—	47
Springerville (AZ)	3,232	143.3	26.58	.85	9	505.0	29.22	.09	—	—	—	100	*	—
Union Electric Co	**17,789**	**97.5**	**17.36**	**.38**	**116**	**383.1**	**22.21**	**.29**	**2,132**	**242.4**	**2.48**	**99**	*****	**1**
Venice No.2 (IL)	—	—	—	—	74	384.6	22.39	.29	1,504	251.2	2.57	—	22	78
Labadie (MO)	8,423	93.1	16.31	.24	24	383.1	22.04	.29	—	—	—	100	*	—
Meramec (MO)	1,958	123.0	23.52	.51	—	—	—	—	628	221.2	2.27	98	—	2
Sioux (MO)	2,453	107.3	20.90	.90	5	422.7	24.32	.29	—	—	—	100	*	—
Rush Island (MO)	4,955	88.2	14.97	.31	13	359.9	20.71	.29	—	—	—	100	*	—
United Illuminating Co	**35**	**169.3**	**45.85**	**.61**	**2,511**	**178.4**	**11.43**	**.97**	**—**	**—**	**—**	**6**	**94**	**—**
Bridgeport Harbor (CT)	35	169.3	45.85	.61	1,299	178.6	11.44	.98	—	—	—	10	90	—
New Haven Hbr (CT)	—	—	—	—	1,212	178.3	11.42	.96	—	—	—	—	100	—
United Power Assn	**1,062**	**69.7**	**9.35**	**.67**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Stanton (ND)	1,062	69.7	9.35	.67	—	—	—	—	—	—	—	100	—	—

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
UtiliCorp United Inc	**1,395**	**89.1**	**17.15**	**0.38**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Sibley (MO)	1,395	89.1	17.15	.38	—	—	—	—	—	—	—	100	—	—
Vero Beach City of	**—**	**—**	**—**	**—**	**6**	**496.0**	**30.34**	**0.55**	**2,783**	**261.2**	**2.73**	**—**	**1**	**99**
Vero Beach (FL)	—	—	—	—	6	496.0	30.34	.55	2,783	261.2	2.73	—	1	99
Vineland City of	**7**	**193.0**	**49.58**	**.78**	**81**	**320.4**	**19.81**	**.54**	**—**	**—**	**—**	**25**	**75**	**—**
H M Down (NJ)	7	193.0	49.58	.78	81	320.4	19.81	.54	—	—	—	25	75	—
Virginia Electric & Power Co	**13,613**	**127.1**	**31.98**	**1.59**	**4,020**	**230.9**	**14.61**	**1.07**	**18,807**	**299.7**	**3.17**	**88**	**7**	**5**
Bremo Bluff (VA)	545	141.2	35.39	1.79	7	400.9	23.57	.20	—	—	—	100	*	—
Chesterfield (VA)	2,744	140.3	35.66	1.70	91	277.8	16.33	.20	17,911	304.5	3.21	78	1	21
Chesapeake Energy (VA)	1,681	138.3	35.71	1.28	62	414.3	24.36	.20	—	—	—	99	1	—
Possum Point (VA)	910	141.9	35.55	1.68	1,024	279.1	17.65	.67	—	—	—	78	22	—
Yorktown (VA)	847	140.3	35.86	1.93	10	364.4	21.43	.20	768	203.9	2.20	96	*	4
Mount Storm (WV)	4,238	112.2	27.71	1.78	62	466.3	27.40	.20	—	—	—	100	*	—
Clover (VA)	2,502	118.6	30.11	1.05	7	376.3	22.13	.20	—	—	—	100	*	—
North Branch (VA)	146	87.5	18.00	3.61	—	—	—	—	—	—	—	98	2	—
Storage Facility #1	—	—	—	—	2,758	201.8	12.86	1.30	128	202.0	2.10	—	99	1
West Penn Power Co	**4,603**	**110.5**	**28.30**	**2.32**	**15**	**383.5**	**22.71**	**.30**	**66**	**411.1**	**4.11**	**100**	*****	*****
Armstrong (PA)	774	104.9	26.00	1.81	6	382.3	22.64	.30	—	—	—	100	*	—
Hatfield (PA)	3,162	109.9	28.62	2.23	7	383.2	22.69	.30	—	—	—	100	*	—
Mitchell (PA)	667	119.7	29.42	3.28	1	391.8	23.20	.30	66	411.1	4.11	100	*	*
WestPlains Energy	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**9,206**	**230.2**	**2.30**	**—**	**—**	**100**
Cimarron River (KS)	—	—	—	—	—	—	—	—	1,141	242.4	2.37	—	—	100
Large (KS)	—	—	—	—	—	—	—	—	5,698	230.9	2.30	—	—	100
Mullergren (KS)	—	—	—	—	—	—	—	—	2,367	222.8	2.26	—	—	100
West Texas Utilities Co	**2,888**	**130.1**	**21.90**	**.42**	**—**	**—**	**—**	**—**	**35,850**	**243.5**	**2.47**	**57**	**—**	**43**
Oklaunion (TX)	2,888	130.1	21.90	.42	—	—	—	—	—	—	—	100	—	—
Oak Creek (TX)	—	—	—	—	—	—	—	—	3,630	246.1	2.57	—	—	100
Paint Creek (TX)	—	—	—	—	—	—	—	—	4,920	260.4	2.72	—	—	100
Rio Pecos (TX)	—	—	—	—	—	—	—	—	6,558	227.6	2.28	—	—	100
San Angelo (TX)	—	—	—	—	—	—	—	—	7,708	234.3	2.30	—	—	100
Fort Phantom (TX)	—	—	—	—	—	—	—	—	13,035	249.4	2.55	—	—	100
Western Farmers Elec Coop Inc	**1,838**	**104.8**	**18.26**	**.28**	**—**	**—**	**—**	**—**	**19,163**	**240.6**	**2.46**	**62**	**—**	**38**
Anadarko (OK)	—	—	—	—	—	—	—	—	12,962	230.5	2.35	—	—	100
Mooreland (OK)	—	—	—	—	—	—	—	—	6,200	261.4	2.68	—	—	100
Hugo (OK)	1,838	104.8	18.26	.28	—	—	—	—	—	—	—	100	—	—
Western Massachusetts Elec Co	**—**	**—**	**—**	**—**	**95**	**241.3**	**15.31**	**.85**	**1,002**	**262.8**	**2.70**	**—**	**37**	**63**
West Springfield (MA)	—	—	—	—	95	241.3	15.31	.85	1,002	262.8	2.70	—	37	63
Wisconsin Electric Power Co	**11,518**	**99.1**	**18.66**	**.43**	**17**	**384.8**	**22.52**	**.27**	**932**	**293.4**	**2.99**	**100**	*****	*****
Presque Isle (MI)	1,794	121.0	25.02	.39	17	384.8	22.52	.27	—	—	—	100	*	—
Oak Creek (WI)	3,146	110.6	21.66	.50	—	—	—	—	620	290.3	2.96	99	—	1
Port Washington (WI)	409	139.9	36.82	1.36	—	—	—	—	27	345.9	3.50	100	—	*
Valley (WI)	466	151.9	35.85	.53	—	—	—	—	59	327.4	3.32	100	—	*
Pleasant Prairie (WI)	5,703	72.7	12.29	.33	—	—	—	—	227	287.0	2.91	100	—	*
Wisconsin Power & Light Co	**7,452**	**103.0**	**17.87**	**.35**	**30**	**411.8**	**24.21**	**.07**	**244**	**275.3**	**2.77**	**100**	*****	*****
Blackhawk (WI)	—	—	—	—	—	—	—	—	244	275.3	2.77	—	—	100
Edgewater (WI)	2,797	114.6	20.13	.35	10	413.4	24.31	.09	—	—	—	100	*	—
Nelson Dewey (WI)	513	122.1	22.80	.34	1	390.6	22.96	.02	—	—	—	100	*	—
Rock River (WI)	73	127.3	23.77	.37	6	437.9	25.75	.06	—	—	—	97	3	—
Columbia (WI)	4,069	91.6	15.59	.35	12	398.3	23.42	.06	—	—	—	100	*	—
Wisconsin Public Service Corp	**3,512**	**104.1**	**18.36**	**.25**	**—**	**—**	**—**	**—**	**318**	**296.1**	**3.00**	**99**	**—**	**1**
Pulliam (WI)	1,505	100.5	17.88	.20	—	—	—	—	238	292.8	2.97	99	—	1
Weston (WI)	2,007	106.7	18.71	.29	—	—	—	—	80	306.0	3.10	100	—	*

See footnotes at end of table.
Source: Federal Energy Regulatory Commission, FERC Form 423, ''Monthly Report of Cost and Quality of Fuels for Electric Plants.''

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1999 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Wyandotte Municipal Serv Comm	**129**	**144.9**	**36.81**	**1.00**	**—**	**—**	**—**	**—**	**565**	**273.7**	**2.74**	**84**	**1**	**15**
Wyandotte (MI)	129	144.9	36.81	1.00	—	—	—	—	565	273.7	2.74	84	1	15
Total	**908,232**	**121.7**	**24.76**	**1.01**	**131,407** [2]	**252.7**	**16.03**	**1.09**	**2,809,455** [2]	**257.4**	**2.62**	**83**	**4**	**13**

1 Does not include petroleum coke receipts of 2,906,000 short tons at an average cost of 65.4 cents per million Btu.
2 Includes at least one delivery at a price of 1,000 cents per million Btu or greater. High price is frequently caused when fixed costs are averaged into a small quantity.
3 Some coal destined for the Barry plant is reported by the Alabama Power Company as it is received at the Gorgas Transshipping Facility.
4 Most coal destined for the Crawford and Fisk plants is reported as delivered to the Will County plant. It is later transferred to Crawford and Fisk.
5 The cost reported under IMT Transfer (Louisiana) is the weighted average cost of coal delivered to this facility. Florida Power Corporation incurs additional costs for transporting coal from the transfer facility to the Crystal River power plant. These additional costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.
6 The cost reported under Davant Transfer (Louisiana) is the weighted average cost of coal delivered to this facility located in Louisiana. The Tampa Electric Company incurs additional costs for transporting this coal from Davant to its power plants which are located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.
7 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Nearly all of the coal delivered to the Cora facility was transferred to plants in Tennessee. About 1 percent was transferred to plants in Alabama. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 64 percent of the coal delivered to the GRT facility was transferred to plants in Tennessee. Approximately 36 percent was transferred to plants in Alabama. All coal delivered to GRT is shown in this report as being delivered to Tennessee.
8 Data for Texas Utilities Electric Company include lignite delivered for the Aluminium Company of America (ALCOA) portion of Unit 4 of the Sandow Plant.

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.• MM Btu = million Btu. • bbls = barrels.• Cost = average delivered cost.

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