DOE/EIA-0191(94)
Distribution Category
UC-950

Cost and Quality of Fuels for Electric Utility Plants 1994

July 1995

Energy Information Administration
Office of Coal, Nuclear, Electric and Alternate Fuels
U.S. Department of Energy
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Preface

The *Cost and Quality of Fuels for Electric Utility Plants (C&Q)* presents an annual summary of statistics at the national, Census division, State, electric utility, and plant levels regarding the quantity, quality, and cost of fossil fuels used to produce electricity. The purpose of this publication is to provide energy decision-makers with accurate and timely information that may be used in forming various perspectives on issues regarding electric power.

Background

The *C&Q* is prepared by the Coal and Electric Data and Renewables Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy. This publication provides comprehensive information concerning the quality, quantity, and cost of fossil fuels used to produce electricity in the United States.

The summarized data in this report are presented for the use of a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The data in this report are collected by the Federal Energy Regulatory Commission (FERC) and published by the EIA to fulfill its data dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

Coverage of Sources

The information published in the *C&Q* 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 95 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. This survey is described in detail in Appendix B, "Technical Notes."

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Executive Summary

Fossil-Fuel Receipts and Costs: The Year in Review

In 1994, electric utilities received 832 million short tons of coal, 143 million barrels of petroleum, and 2,864 billion cubic feet (Bcf) of gas at a total delivered cost of 32 billion dollars.[1] Coal accounted for 82 percent of the total Btu content of fossil fuels delivered in 1994, while gas and petroleum accounted for 14 and 4 percent, respectively.

The 832 million short tons of coal received in 1994 was a record amount, eclipsing the previous high of 787 million short tons received in 1990. Receipts of coal rose by 63 million short tons from the 769 million short tons reported in 1993. Coal deliveries to electric utilities averaged 2.3 million short tons per day, an amount equivalent to the coal hauling capacity of approximately 23,000 rail cars. The most important factor leading to higher receipts was the historically low level of coal stocks held by electric utilities at the start of the year. Also contributing to higher receipts was a 4-million-short-ton increase in coal consumption, a shortfall in hydroelectric generation that was partially offset by an increase in coal-fired generation, and preparation (receipt of additional coal for test-burns) for the start of Phase I of the Clean Air Act Amendments of 1990 (CAAA90). Receipts of coal were negatively impacted by higher nuclear generation, rail congestion in the West that constrained deliveries of western coal, and the availability of low-cost surplus gas that reduced coal use at some electric utilities.

Table ES1. Receipts of Fossil Fuels by Type of Fuel, 1993-1994

Type of Fuel	1994	1993	Difference	Percent Difference
Total Coal (thousand short tons)	**831,929**	**769,152**	**62,777**	**8.2**
Bituminous	456,733	422,690	34,043	8.1
Subbituminous	295,752	265,180	30,572	12.7
Lignite	78,756	80,890	2,134	–2.6
Anthracite	689	392	297	75.8
Total Petroleum (thousand barrels)1	**142,940**	**147,901**	**–4,961**	**–3.4**
No. 6 Fuel Oil	134,510	140,875	–6,365	–4.5
No. 4 and No. 5 Fuel Oil	674	844	–170	–20.1
No. 2 Fuel Oil	7,676	6,163	1,513	24.5
Total Gas (million cubic feet)	**2,863,904**	**2,574,523**	**289,381**	**11.2**
Natural	2,852,122	2,561,716	290,406	11.3
Other:ehp2	11,782	12,807	–1,025	–8.0

1 Includes 80 and 20 thousand barrels of kerosene for 1994 and 1993, respectively. Data excludes petroleum coke receipts.
2 Includes small quantities of coke-oven gas, refinery and blast-furnace gas.
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.''

The average delivered cost of coal continued its downward trend of the past 10 years. On a dollar-per-short-ton basis, the cost of coal received was $28.03, down from $28.58 in 1993.[2] The average Btu content of coal was 10,338 per pound, up from 10,315 per pound in 1993. The average sulfur content (measured as percent sulfur by weight) of coal delivered in 1994 was 1.17 percent, down from 1.18 in 1993. On a pounds-per-million-Btu basis, the average sulfur content was 1.09 compared with 1.11 in 1993.

Receipts of petroleum delivered to electric utilities totaled 143 million barrels, a decrease of 5 million barrels from 1993. A continuing trend away from Number 6 fuel oil as a baseload fuel and competition from low-cost natural gas led to a reduction in

[1] Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." This survey covers over 99 percent of the coal and approximately 95 percent of the petroleum and gas delivered to electric utilities.

[2] 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.

receipts from the low levels of 1993. The average cost of petroleum delivered to electric utilities was $15.70 per barrel, up from $15.42 per barrel in 1993.

Receipts of gas totaled 2,864 Bcf, 11 percent more than in 1993. Receipts were higher due to an abundant supply of gas and the competitive cost of gas compared with fuel oil and, in some cases, coal. The average cost of gas fell $0.34 per thousand cubic feet (Mcf) to $2.28 per Mcf. On a dollars-per-million-Btu basis, petroleum was the most expensive fossil fuel at $2.49, gas was second at $2.23, and coal was the least expensive at $1.36.

Table ES2. Average Delivered Cost of Fossil Fuels by Type of Purchase, 1993-1994

Type of Purchase	1994	1993	Difference	Percent Difference
Total Coal (dollars per short ton)	**28.03**	**28.58**	**–0.55**	**–1.9**
Contract	28.53	28.93	–.40	–1.4
Spot	26.26	27.19	.93	–3.4
Total Petroleum (dollars per barrel)	**15.70**	**15.42**	**.28**	**1.8**
Contract (No. 6 Fuel Oil)	15.49	15.42	.07	.5
Spot (No. 6 Fuel Oil)	14.93	14.36	.57	4.0
Total Gas (dollars per Mcf)	**2.28**	**2.62**	**–.34**	**–13.0**
Firm	2.33	2.59	–.26	–10.0
Interruptible	2.20	2.55	–.35	–13.7
Spot	2.29	2.79	–.50	–17.9

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.''

Low Stockpiles of Coal.

Electric utilities entered 1994 with a total of 99 million short tons of coal stocks (does not include anthracite and lignite stocks), down from 142 million short tons at the start of 1993.[3] This was the lowest beginning-of-year-stock level since 1975. More important, it represented a national average of only 49 days-supply of coal, well below historical levels for the industry.[4] Factors contributing to this low level of coal stocks include the United Mine Workers of America (UMWA) selective strikes from May through December 1993, and severe flooding in the Midwest during the summer of 1993 which interrupted the delivery of coal to power plants.[5] In addition, record consumption of coal during the summer of 1993, coupled with planned reductions in stocks by some electric utilities, contributed to a large drawdown in coal stocks in 1993 and the low level of stocks present at the start of 1994.

As the year began, many electric utilities were expected to increase their receipts of coal in order to build stocks. However, the projected buildup was slow to occur. Severe winter weather east of the Mississippi River during January and February 1994 disrupted the rail, barge, and truck network used to transport coal to the power plants. Snow and ice, coupled with bitter cold weather and a crippled transportation system, slowed coal production and preparation facilities. Cracked rail lines, frozen coal and frozen switches were common problems.[6] Frozen coal hampered the loading and unloading of coal. These conditions limited coal receipts to only 63 million short tons in January.[7] At the same time, extreme cold weather in January spurred electric generation to near record levels. January sales of electricity to residential customers reached a record of 104 billion kilowatthours.[8] Several electric utilities set all-time-high peak generating records.[9] Coal consumption rose to a record 76 million short tons for the month. As a result, electric utilities were not able to replenish their already low stocks of coal. Stocks of coal fell 13 million short tons to 86 million short tons.

A continuation of bitter cold weather and icy conditions during the first-half of February caused further disruptions to coal deliveries. However, as the month progressed, improved weather conditions led to a gradual recovery in the entire transportation network. Although coal receipts totaled 64 million short tons, a record for the month, they failed to keep pace with consumption. End-of-month stocks of bituminous coal fell to just under 86 million short tons, their lowest level since March 1975.[10] This level represented a national average of 43-days supply of coal.

[3] Energy Information Administration, *Electric Power Monthly (EPM),* DOE/EIA-0226(95/04), Table 29.
[4] Days supply of coal was calculated based on average daily consumption levels for 1993.
[5] Energy Information Administration, *Cost and Quality of Fuels for Electric Utility Plants 1993,* DOE/EIA-0191(93),pp. 2-3.
[6] Fieldston Publications, Inc., *Coal Transportation Report,* Vol. 13, No. 2, January 24, 1994.
[7] Energy Information Administration, *Electric Power Monthly (EPM),* DOE/EIA-0226(95/05), Table 34.
[8] Energy Information Administration, *Electric Power Monthly (EPM),* DOE/EIA-0226(95/04), Table 52.
[9] Pasha Publications Inc., *Coal Outlook,* Vol. 18, No. 3, January 24, 1994.
[10] Energy Information Administration, *Historical Monthly Energy Review (HMER),* DOE/EIA-0035(73-92), Table 7.4.

Good weather, a return to near-normal operating conditions for eastern rail and barge lines, and a pent-up demand for coal resulted in record coal receipts of 73 million short tons for March. End-of-month coal stocks increased to 92 million short tons, up 7 million short tons from February.

Record coal receipts of 67 and 71 million short tons for the months of April and May respectively, increased end-of-May stocks to 108 million short tons. Aiding the increase in stocks during these months was the seasonal decrease in demand for electric generation. Moderate temperatures during April and May (compared with summer and winter) reduced demand for electric generation. This, inturn, reduced coal consumption and allowed electric utilities to build coal stockpiles for the summer, when demand for electric generation normally peaks.

An intense heat wave over most of the Nation during June resulted in record coal consumption for the month. The summer, which was warmer than normal, contributed to record coal consumption of 225 million short tons for the June-through-August period. Receipts of coal for these months were also a record 213 million short tons despite capacity problems associated with rail lines from western mines. By the end of August, stocks of coal had fallen to a level of 96 million short tons.

As in most years, the period of September through November was used to rebuild stocks of fuel depleted during the summer. A seasonal decline in electric generation during these months contributed to this objective. Receipts of coal for each of the 3 months approached 70 million short tons, several million short tons above historical levels. Stocks of coal during the period rose by 15 million short tons. December was unusually mild in the central and eastern portions of the Nation, allowing an additional month to rebuild coal stocks. Electric utilities ended 1994 with 115 million short tons of bituminous coal stocks, up 17 million short tons for the year.

Extreme Weather Conditions.

Weather conditions that affected the level of fossil fuels received during 1994 included record setting cold, snow, and ice throughout the East during January and February; an intense heat wave over most of the Nation during June and early July; dry winter weather (December 1993 through March 1994) in the West, that reduced hydroelectric generation; and mild weather throughout most of the eastern-half of the Nation during August through December.

Bitter cold weather throughout the East during January and February 1994 resulted in electric generation and fuel-supply problems. Low temperatures sent demand for power to record levels. Consumption of petroleum in January rose to its highest level since December 1989, while consumption of coal for the month was a record. Delivery of coal and petroleum to power plants was slowed by the severity of the weather as snow, ice, and cold crippled parts of the rail, barge, and highway transportation network. Many electric utilities were forced to rely solely on their already low stocks of fuel. Due to bad weather, receipts of coal in January were at their lowest level for the year. An improvement in the weather during late February allowed fuel deliveries to return to normal.

An intense heat wave engulfed nearly all of the country during June. The result was the Nation's warmest June since 1933 and the warmest in the Southwest in over 100 years.[11] The heat wave persisted through mid-July along the eastern one-third of the Nation, and through August in the West. The warmer-than-normal summer contributed to record electric generation for the period of June through August.

Below normal precipitation throughout most of the western United States during late 1993 and most of 1994 limited hydroelectric generation. California and Oregon were hit particularly hard with well-below normal levels of precipitation during December 1993 through March 1994. Both States usually receive most of their precipitation during the winter months at which time a deep snowpack accumulates in the mountains. The subsequent melting during the spring and summer helps maintain reservoir levels throughout the year and is then the source of hydroelectric generation. In April 1994, the snowpack in California was measured at 30 percent of normal compared with 150 percent in April 1993.[12] This lack of precipitation resulted in an increase in use of fossil fuels, especially gas, to help compensate for a decline in hydroelectric generation.

Relatively mild weather throughout the eastern-half of the Nation from August through December limited electric generation and, in-turn, reduced demand for fossil fuels. The mild weather allowed electric utilities to build stocks of coal and contributed to a lower cost of coal during the second half of the year. It also reduced demand for gas by end-use sectors other than electric utilities.[13] This contributed to an oversupply situation that allowed electric utilities to purchase additional supplies of low-cost gas.

Rail Congestion Problems.

Notable during 1994 were the scheduling and delivery problems affecting receipts of western coal. The problems began with the extensive flooding that occurred throughout the Missouri and Upper Mississippi River Basins during the summer of 1993. Shipments of western coal to midwestern electric utilities were delayed and, in some cases, cancelled. Many shipments were rescheduled for later in the year or delayed until 1994. With the approach of Phase I of the CAAA90 came a subsequent increase in demand

[11] U.S. Department of Agriculture, *Weekly Weather and Crop Bulletin*, Vol. 82, No. 2, January 10, 1995.
[12] U.S. Department of Agriculture, *Weekly Weather and Crop Bulletin*, Vol. 82, No. 2, January 10, 1995.
[13] Energy Information Administration, *Monthly Energy Review (MER)*, DOE/EIA-0035(95/05), Table 4.4.

for low-sulfur western coal. This increase in demand, coupled with delayed and rescheduled shipments being moved to 1994, caused a substantial increase in rail traffic from western mines. Cycle times (the time it takes for a unit train to deliver its coal and return to the mine) dramatically increased due to traffic congestion on the rail lines. Meanwhile, substantial maintenance and track expansion programs already in progress led to further delays and cancelled shipments.[14] As a result, many electric utilities did not receive all the coal that they had expected. Stocks at some electric utilities became critically low.

Availability of Nuclear-Powered and Hydroelectric Generation.

In 1994, nuclear-powered plants generated a record 640,440 gigawatthours (GWh) of electricity, up 5 percent from 1993. For the year, they accounted for 22 percent of total net electric generation.[15] Typically, a nuclear plant will have a substantial effect on the fossil-fuel requirement of an electric utility.[16]

All Census divisions, except the New England and the East North Central Census Divisions, reported increases in nuclear-powered generation. Among the States with notable increases in generation from nuclear plants were Pennsylvania, North Carolina, Tennessee, and Texas. These four States also recorded an overall decrease in generation from fossil fuels, especially coal. Notable was the fact that higher nuclear generation led to a reduction in receipts and consumption of both coal and gas in Texas. For the year, nuclear represented 11 percent of total generation in Texas, compared with 5 percent in 1993. Electric utilities (plants) with substantial increases in nuclear-powered generation were Carolina Power & Light (Brunswick), Duquesne Light Company (Beaver Valley), Houston Lighting & Power Company (South Texas), Southern California Edison (San Onofre), Tennessee Valley Authority (Sequoyah), and Texas Utilities Electric Company (Comanche Peak).[17]

Among States with notable decreases in generation from nuclear plants were New Hampshire, New Jersey, Illinois, and Michigan. In Michigan, a 50-percent decrease in nuclear generation resulted in higher use of coal. Electric utilities (plants) with substantial decreases in nuclear-powered generation included Commonwealth Edison (Dresden, Lasalle, Quad-cities, Zion), Detroit Edison (Enrico Fermi), Indiana & Michican Power (Cook), and Public Service Company of New Hampshire (Seabrook). Illinois continued as the Nation's top provider of nuclear-powered generation. Pennsylvania and South Carolina ranked second and third, respectively.

In 1994, conventional hydroelectric generation totaled 247,071 GWh, down 8 percent from 1993.[18] This decrease was primarily due to a lack of precipitation in the western United States where most of the Nation's hydroelectric capacity is concentrated. California, Oregon, and Washington, together, accounted for 52 percent of total operable hydroelectric capacity.[19] Year-to-year changes in precipitation substantially affect hydroelectric generation and, in-turn, alter an electric utility's reliance on other sources of energy for generating electricity, especially fossil fuels.

A lack of precipitation in California during the winter of 1994 (December 1993 through March 1994) set the stage for a decrease in hydroelectric generation in the State. As a result of the dry weather, hydroelectric generation in California decreased by 40 percent. This led to an increase in the use of gas-fired generation, noted by a 27-percent rise in gas receipts. Other western States with substantial decreases in hydroelectric generation were Oregon, Washington, Idaho, and Montana.

Due to above normal precipitation in the southeastern United States, the Tennessee Valley Authority (TVA) posted a 29-percent increase in hydroelectric generation. This increase, coupled with an increase in nuclear generation, contributed to a substantial reduction in receipts and consumption of coal at the TVA.

Clean Air Act Amendments of 1990.

During 1994, most electric utilities finalized their strategies for compliance with Phase I of the Clean Air Act Amendments of 1990 (CAAA90).[20] Among electric utilities affected by Phase I, fuel switching and/or blending is the most popular strategy for lowering sulfur emissions. As of March 1994, 162 of the 261 generating units affected by Phase I had decided to switch to or blend-in a lower sulfur coal in order to reduce sulfur dioxide emissions.[21] The remaining units are either currently in compliance with Phase I or will comply by obtaining emission allowances or through the installation of flue gas desulfurization equipment. States most affected by Phase I include Ohio, Indiana, West Virginia, Georgia, Missouri, and Tennessee.

[14] McGraw-Hill, Inc., *Coal Week*, Vol. 20, No.37, September 12, 1994.

[15] Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(95/04), Table 3.

[16] A 1,000-megawatt nuclear unit operating for 365 days at 70 percent capacity will replace either 3.1 million short tons of coal, 10.1 million barrels of petroleum, or 61.7 billion cubic feet (Bcf) of gas.

[17] Energy Information Admnistration (EIA) Form 759, "Monthly Power Plant Report."

[18] Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(95/04), Table 5.

[19] Energy Information Administration, *Inventory of Power Plants (IPP)*, DOE/EIA-0095(93), Table 17.

[20] Title IV of the Clean Air Act Amendments of 1990 established an Acid Rain Program designed to reduce emissions from utility boilers in a two-phase approach. Starting on January 1, 1995, Phase I set emission restrictions on 110 mostly coal-burning plants in the eastern and midwestern United States. Phase II begins in the year 2000 and places additional emission restrictions on approximately 1,000 electric plants. To comply with Phase I, it is expected that many electric utilities will increase purchases of low-sulfur coal while reducing purchases of high-sulfur coal.

[21] Energy Information Administration, *Acid Rain Compliance Strategies for the Clean Air Act Amendments of 1990*, DOE/EIA-0582 (Washington DC, March 1994), pp. 1-4.

In 1994, many electric utilities were actively conducting test-burns of western coal, much of it related to Phase I. Test-burns allow an electric utility to find out which coals can be successfully burned and what, if any, adjustments to the boiler will be necessary.[22] Low-sulfur, high-Btu bituminous coal from Colorado and Utah, and low-sulfur subbituminous coal from the Powder River Basin (PRB) of Wyoming and Montana were popular coals for testing by several southern and midwestern electric utilities. An increase in receipts of coal from these areas was, in part, due to testing and to coal switching related to Phase I, as well as to electric utilities rebuilding stocks of coal depleted during 1993. In addition, several electric utilities conducted Phase I related testing of coal from South America, Indonesia, and South Africa The purpose was to qualify as many types of coal as possible, thereby increasing their coal supply options. Though more electric plants affected by Phase I have switched to low-sulfur central Appalachian coal rather than western coal, testing of Appalachian coal was less of an issue probably due to the small impact that eastern coals have on boiler performance.[23]

Surplus Gas.

Mild weather over much of the Nation from August through December contributed to an oversupply of gas and falling prices. Low cost, availability, and the clean burning nature of gas led to higher receipts and consumption by electric utilities. Competition from low-cost gas negatively affected petroleum receipts during the second half of 1994. As the cost-spread widened between gas and petroleum, receipts of Number 6 fuel oil plummeted to a 6-month total of only 52 million barrels.[24] In October, the average monthly cost of gas delivered to electric utilities fell to $1.92 per million Btu. At some electric utilities gas was consumed in place of coal in order to preserve stocks of coal that were already low due to the slow shipments of coal out of the PRB.[25] At some power plants, coal was replaced by gas as the least-cost fuel for generating electricity.[26]

Coal. In 1994, receipts of coal to electric utilities totaled a record 832 million short tons, an increase of 63 million short tons from 1993 (Table ES4). The average delivered cost of the coal was $28.03 per short ton, 2 percent less than in 1993 (Table ES2). It was also the lowest average annual cost of coal delivered to electric utilities since 1979 and continued the general trend of a lower delivered cost for coal that began in 1985.[27] In 1994, the average cost of contract coal (contracts of one year or longer in duration) decreased $0.40 to a level of $28.53 per short ton based on receipts of 647 million short tons. Typically, the cost of contract coal is not substantially affected by short-term volatility in the coal markets that are caused by events such as labor strikes or weather related changes in demand. Rather, it is more influenced by events, trends, or perceptions that will affect the long-term supply and demand for coal.

Figure ES1. Receipts of Coal at Electric Utilities, 1990 - 1994

Some reasons for the continuing decline in the average annual delivered cost of coal are as follows. First, excess coal production capacity exists. Other than periodic shortages related to weather, strikes, transportation etc., supply has been more than adequate to meet demand. This "buyers market" has been the basis for reducing electric utility coal costs over the last several years. Second, some multiyear con-

[22] Many utility boilers were designed to burn coal with certain physical and chemical characteristics. Changing any one or combination of Btu, sulfur, ash, moisture, volatility, or grindability can affect boiler performance. The characteristics of western coal are much different than that of Appalachian and Interior Region coals.

[23] Energy Information Administration, *Acid Rain Compliance Strategies for the Clean Air Act Amendments of 1990,* DOE/EIA-0582 (Washington DC, March 1994), pp. 14-16.

[24] Some power plants that can burn either fuel oil or gas will switch to the fuel that will result in the lowest cost for generating electricity.

[25] Pasha Publications Inc., *Coal Outlook,* Vol. 18, No. 45, November 21, 1994.

[26] McGraw-Hill, Inc., *Coal Week,* Vol. 20, No.35, August 29, 1994.

[27] Energy Information Administration, *Cost and Quality of Fuels for Electric Utility Plants 1993,* DOE/EIA-0191(93) and prior issues.

tracts have clauses that allow for the periodic adjustment of contract prices to more closely match current market conditions. Market conditions over the last several years have usually dictated a reduction in the cost of coal. In addition, some electric utilities have also found it economical to "buy out" older, more expensive contracts and increase purchases under newer, less expensive contracts. Third, electric utilities are selectively increasing their purchases of less expensive coal from the spot market. Fourth, many electric utilities have been able to reduce the cost of transporting the coal to the power plant. This is usually done either by renegotiation of contracts or by increasing competition among the carriers. Fifth, electric utilities have increased their receipts of low-cost western region coal. Most coal from the PRB of Wyoming and Montana is sold at the mine for about $4.00 to $5.00 per short ton, well below the cost of coal from the Appalachian and Interior regions. Large electric plants located near the basin often receive PRB coal for under $10.00 per short ton, while electric plants as far away as Georgia receive PRB coal for approximately $25.00 per short ton.

Receipts of spot-market coal totaled 185 million short tons, an increase of 32 million short tons from 1993. This increase was, in part, due to the low cost of coal being offered on the spot market, the need to build stockpiles, and the use of spot market coal to "bridge the gap" until new contract shipments are received prior to the effective start date of January 1, 1995, of the CAAA90.

The average delivered cost of spot-market coal decreased $0.93 per short ton to $26.26 per short ton. The spot market is heavily influenced by events such as labor strikes or changes in weather conditions that affect short-term supply and demand. During 1994, the extreme cold weather of January and February, coupled with low electric utility stocks of coal, contributed to an increase in the cost of spot-market coal in February and March. The intense heatwave over much of the country during June was not of sufficient length to substantially affect the spot market. During mid-July through December, mild weather over most of the Nation reduced electric utility demand for fuel. As a result, excess supplies of coal, coupled with the need to entice buyers into the market, caused a drop in spot-market prices. By December, the average delivered cost of spot-market coal delivered to electric utilities had decreased to $24.42 per short ton.

Coal Quality. As in prior years, electric utilities continued to increase their use of low-sulfur subbituminous coal. Subbituminous coal is mined in the western United States, with the majority of the coal originating in the PRB. Although it has a relatively low Btu content, the low sulfur content of subbituminous coal is excellent for allowing electric utilities to meet stringent air quality emission standards. Receipts of subbituminous coal totaled 296 million short tons, up from 265 million short tons in 1993 (Table ES4). Several electric utilities switched to subbituminous coal during 1994 in preparation for meeting the emission requirements of the CAAA90. Lignite receipts totaled 79 million short tons, a decrease of 2 million short tons from 1993. Most of this low-Btu, low-cost coal is consumed by electric plants located in Texas, North Dakota, South Dakota, and Louisiana.

In 1994, the total Btu content of coal delivered to electric utilities was 17.2 quadrillion Btu, up from 15.9 in 1993.[28] Coal receipts from the Appalachian Region accounted for 43 percent of all Btus received, followed by 37 percent from the Western Region and 20 percent from the Interior Region.[29] Imported coal accounted for less than 1 percent of the total Btu delivered to electric utilities. The average Btu per pound of coal was 10,338, up from 10,315 in 1993. Coal originating in Virginia rated highest in Btu content among the major coal-producing States, averaging 12,801 Btu per pound. Lignite from Texas and North Dakota rated lowest in Btu content at 6,303 and 6,544, respectively (Table ES3).

The average sulfur content (measured as percent sulfur by weight) of coal received in 1994 dropped slightly to 1.17 percent, from 1.18 percent in 1993. An increase in receipts of low-sulfur coal from the PRB was a factor in reducing the average sulfur content. The reduction would have been greater if it had not been for an increase in coal receipts from the Interior Region. This increase was primarily due to Interior Region coal deliveries in 1993 being negatively affected by the UMWA coal miners selective strikes. Coal from the Appalachian Region averaged 1.55 percent sulfur, down from 1.57 percent in 1993. The sulfur content of Interior Region coal rose to 2.68 percent from 2.41 percent. Western Region coal averaged 0.42 percent sulfur, compared with 0.43 percent, while the sulfur content of lignite was unchanged at 0.94 percent.

Coal originating in Wyoming contained the lowest amount of sulfur, averaging 0.36 percent, followed by Colorado and Utah at 0.46 and 0.47 percent, respectively (Table ES3). Based on State of origin for at least 1 million short tons, coal from Ohio contained the highest amount of sulfur, averaging 3.50 percent -- followed by Illinois and Indiana at 2.50 and 2.41 percent, respectively. Coal receipts from Kansas, Missouri, and Oklahoma contained some of the highest amounts of sulfur (above 3.00 percent); however, total coal receipts from these States was less than 1-million short tons.

[28] Data include only coal reported on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

[29] Percent total for the Interior Region includes 79 million short tons of lignite containing a total of 1 quadrillion Btu. When excluding lignite, the Interior Region accounted for 14 percent of all Btu delivered in 1994.

Table ES3. Average Quality of Coal by State of Origin, 1993-1994

State of Origin	Btu (per pound)		Sulfur (percent by weight)		Sulfur (pounds per MM Btu)		Ash (percent by weight)	
	1994	1993	1994	1993	1994	1993	1994	1993
Alabama	12,219	12,129	1.13	1.18	0.93	0.98	11.84	12.18
Arizona	11,183	10,986	.52	.50	.47	.46	9.52	9.49
Colorado	10,963	10,853	.46	.43	.42	.40	8.70	8.38
Illinois	11,223	11,312	2.50	2.53	2.24	2.25	9.31	9.26
Indiana	11,170	11,175	2.41	2.49	2.16	2.23	9.21	9.13
Iowa	—	9,775	—	3.04	—	3.12	—	14.52
Kansas	11,981	12,030	3.45	3.52	2.89	2.93	12.62	12.25
Kentucky	12,225	12,236	1.63	1.67	1.37	1.40	9.93	9.99
Louisiana	6,890	6,916	.84	.77	1.22	1.12	12.83	12.38
Maryland	12,786	12,629	1.62	1.68	1.27	1.33	12.04	12.86
Missouri	11,204	10,655	4.12	4.49	3.68	4.23	15.84	14.05
Montana	9,033	9,038	.52	.52	.59	.58	6.69	6.65
New Mexico	9,520	9,469	.67	.66	.72	.72	18.56	18.82
North Dakota	6,544	6,527	.77	.75	1.17	1.15	9.34	9.42
Ohio	11,904	11,906	3.50	3.34	2.94	2.82	10.58	10.81
Oklahoma	13,279	11,949	3.66	3.20	2.76	2.61	6.07	10.17
Pennsylvania	12,536	12,557	1.83	1.93	1.46	1.55	11.48	11.33
Tennessee	12,714	12,710	1.27	1.35	.99	1.06	9.46	9.31
Texas	6,303	6,265	1.04	1.05	1.69	1.71	16.22	17.07
Utah	11,618	11,600	.47	.47	.40	.41	9.93	10.27
Virginia	12,801	12,848	1.04	1.05	.82	.82	10.15	9.88
Washington	7,890	7,906	.74	.76	.94	.96	15.53	16.58
West Virginia	12,507	12,515	1.49	1.41	1.19	1.13	10.68	10.55
Wyoming	8,634	8,647	.36	.36	.41	.42	5.42	5.40
Subtotal	**10,328**	**10,305**	**1.17**	**1.18**	**1.10**	**1.11**	**9.38**	**9.57**
Imported	12,013	12,019	.65	.65	.53	.54	6.49	6.78
Total	**10,338**	**10,315**	**1.17**	**1.18**	**1.09**	**1.11**	**9.36**	**9.55**

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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Petroleum. In 1994, electric utilities received 143 million barrels of petroleum, a decrease of 5 million barrels from 1993. Receipts at electric utilities peaked at 636 million barrels in 1977, and have since decreased to a point that only a few electric utilities--located primarily in Florida, New York, and New England--depend heavily on petroleum for electric generation.[30] The decrease in petroleum receipts in 1994 was, in part, due to competition from abundant supplies of low-cost natural gas and to an increase in the cost of Number 6 (residual) fuel oil. Receipts of petroleum were highest during the months of January and February, and June and July as electric utilities replaced fuel oil consumed during the two peak generating periods of the year. Receipts of fuel oil plunged during the September through December period due to falling natural gas prices and moderate weather conditions.[31]

The average delivered cost of petroleum to electric utilities in 1994 was $15.70 per barrel, an increase of $0.28 from 1993. The increase in the cost of petroleum was due to the higher cost of Number 6 fuel oil. This high cost was caused, in part, bt upgrades and processing enhancements to refinery operations that increased production of distillate and lighter hydrocarbons but reduced the amount of heavier oils produced.[32] On a monthly basis, the average cost of petroleum peaked at $17.23 per barrel in February and fell to a low for the year of $13.97 per barrel in April. On a delivered-cost-per-million-Btu basis, Number 6 fuel oil held a distinct advantage over natural gas in the January through May period, while gas maintained a substantial competitive advantage during the second half of the year.[33]

In 1994, receipts of Number 6 fuel oil totaled 135 million barrels, down 6 million barrels from 1993. Receipts of Number 2 fuel oil (a light oil used primarily for ignition and flame stabilization) totaled 8 million barrels, up nearly 2 million barrels from 1993. This amount represents approximately 44 percent of

30 Energy Information Administration, *Cost and Quality of Fuels for Electric Utility Plants 1993*, DOE/EIA-0191(93) and prior issues.
31 Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(95/05), Table 34.
32 Energy Information Administration, *Petroleum Supply Monthly (PSM)*, DOE/EIA-0109(95/02), pp.xviii.
33 Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(95/05), Table 34.

all Number 2 fuel oil delivered to electric utilities during 1994.[34]

Gas. Receipts of gas to electric utilities in 1994 totaled 2,864 Bcf, an increase of 289 Bcf from 1993. Receipts were higher primarily due to an oversupply condition that resulted in more gas being made available to electric utilities. In addition, a substantial decrease in the cost of gas during the second half of the year gave it an additional competitive cost advantage over petroleum and, in some cases, coal.

Monthly receipts of gas peaked in August at 361 Bcf as electric utilities bought more gas under interruptible contracts. Receipts were lowest in February at 143 Bcf. Typically, receipts of gas are lowest in the winter months because residential and commercial users of gas are given priority (for heating purposes) over electric utilities in distribution. Pipeline capacity is one limiting factor in the distribution of gas. During the warmer months, more gas is available to electric utilities due to lower demand from residential and commercial users.

Figure ES2. Receipts of Petroleum at Electric Utilities, 1990 - 1994

Nearly one-half of the increase in receipts of gas occurred in California as electric utilities in the State used gas-fired generation to compensate for a decrease in hydroelectric generation. Several other States including Mississippi, Massachusetts, New York, Louisiana, and Nevada reported higher receipts of gas and a comparable decrease in receipts of petroleum. Texas, which accounted for 37 percent of gas delivered to electric utilities, reported a decrease in receipts of gas. This was due to a resurgence of nuclear generation in the State and to the unusually high volume of gas receipts reported in 1993.

The average annual cost of gas delivered to electric utilities in 1994 was $2.28 per Mcf, a decrease of $0.34 from 1993. For the year, electric utilities paid an average of $0.45 per Mcf more than the average wellhead cost of gas.[35]

[34] Based on consumption and the change in stocks reported on Form EIA-759, a total of 17 million barrels of Number 2 fuel oil was delivered to electric utilities in 1994. Approximately 10 million barrels were delivered for use in gas-turbine and internal combustion units. Fuel received for use in these units is not reported on the FERC Form 423 survey.

[35] Energy Information Administration, *Monthly Energy Review (MER),* DOE/EIA-0035(95-04), Table 9.11.

Fossil-Fuel Data at the Census Division and State Level

Table 1. Receipts of Coal by Census Division and State, 1990-1994

(Thousand Short Tons)

Census Division and State	1994	1993	1992	1991	1990
New England	**6,245**	**5,417**	**6,213**	**6,433**	**6,345**
Connecticut	863	740	793	871	954
Maine	—	—	—	—	—
Massachusetts	4,127	3,370	4,194	4,278	4,120
New Hampshire	1,255	1,306	1,226	1,284	1,271
Rhode Island	—	—	—	—	—
Vermont	—	—	—	—	—
Middle Atlantic	**49,187**	**46,511**	**53,680**	**52,066**	**58,200**
New Jersey	2,115	1,845	2,205	2,027	2,835
New York	8,244	7,448	10,393	9,235	10,568
Pennsylvania	38,828	37,219	41,082	40,804	44,796
East North Central	**186,864**	**165,695**	**169,346**	**170,575**	**174,585**
Illinois	32,936	28,091	25,449	26,813	26,456
Indiana	53,540	43,789	47,838	46,292	49,194
Michigan	31,435	27,865	27,875	28,866	29,688
Ohio	49,311	47,992	50,596	49,517	51,436
Wisconsin	19,641	17,958	17,589	19,087	17,811
West North Central	**114,255**	**101,896**	**101,643**	**105,054**	**103,252**
Iowa	17,005	15,767	15,037	16,344	15,639
Kansas	17,653	16,465	13,634	14,401	15,772
Minnesota	17,770	15,993	15,154	16,187	16,559
Missouri	27,250	19,217	24,502	25,204	24,351
Nebraska	8,894	8,699	7,759	8,908	7,940
North Dakota	23,366	23,603	23,427	21,683	20,915
South Dakota	2,317	2,152	2,130	2,326	2,078
South Atlantic	**138,382**	**121,902**	**125,181**	**124,355**	**134,943**
Delaware	2,284	2,008	1,532	2,002	2,192
District of Columbia	—	—	—	—	—
Florida	24,948	24,115	24,377	24,461	24,288
Georgia	28,761	23,327	22,851	24,694	27,888
Maryland	9,623	8,509	9,284	8,668	10,002
North Carolina	21,330	21,194	20,660	18,167	19,606
South Carolina	11,188	9,781	9,255	9,215	9,388
Virginia	9,270	8,937	8,915	8,599	8,488
West Virginia	30,978	24,031	28,307	28,549	33,092
East South Central	**89,150**	**86,677**	**80,758**	**77,397**	**82,726**
Alabama	27,160	25,897	24,886	24,350	22,208
Kentucky	36,301	34,979	32,292	30,591	35,151
Mississippi	4,299	3,310	3,208	3,727	3,921
Tennessee	21,389	22,491	20,372	18,730	21,446
West South Central	**131,655**	**130,971**	**128,757**	**127,713**	**120,651**
Arkansas	11,847	10,754	11,630	12,443	10,939
Louisiana	13,408	13,073	12,675	12,212	11,593
Oklahoma	17,191	16,433	16,840	15,868	14,471
Texas	89,210	90,710	87,613	87,189	83,649
Mountain	**107,799**	**103,137**	**102,617**	**99,693**	**99,912**
Arizona	18,427	18,383	16,315	17,020	15,385
Colorado	16,242	16,070	15,597	15,500	15,343
Idaho	—	—	—	—	—
Montana	10,310	8,849	10,860	10,398	9,519
Nevada	7,627	7,376	7,894	8,084	7,477
New Mexico	15,316	14,888	14,929	12,888	15,241
Utah	14,253	13,990	12,840	13,254	14,014
Wyoming	25,624	23,580	24,181	22,549	22,932
Pacific Contiguous	**8,394**	**6,946**	**7,768**	**6,636**	**6,012**
California	—	—	—	—	—
Oregon	2,223	1,621	1,932	1,719	968
Washington	6,171	5,324	5,836	4,917	5,044
Pacific Noncontiguous	—	—	—	—	—
Alaska	—	—	—	—	—
Hawaii	—	—	—	—	—
Total	**831,929**	**769,152**	**775,963**	**769,923**	**786,627**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1990-1994

Census Division and State	1994	1993	1992	1991	1990	1994	1993	1992	1991	1990
	(cents per million Btu)					(dollars per short ton)				
New England	**166.0**	**166.3**	**172.0**	**178.9**	**180.3**	**42.81**	**43.34**	**45.14**	**47.13**	**47.38**
Connecticut	177.4	170.4	194.8	216.6	212.9	46.45	44.80	51.30	57.35	56.35
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	167.8	167.5	168.7	172.5	173.4	43.00	43.39	44.11	45.33	45.30
New Hampshire	152.2	160.8	168.5	174.4	178.1	39.66	42.39	44.69	46.20	47.39
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**145.2**	**146.0**	**149.6**	**156.5**	**155.4**	**36.33**	**36.66**	**37.56**	**38.99**	**38.56**
New Jersey	181.7	177.3	173.1	178.2	180.1	48.49	47.50	46.62	47.76	48.37
New York	145.2	149.6	148.8	159.4	161.3	37.63	38.63	38.62	41.19	41.45
Pennsylvania	143.1	143.6	148.4	154.7	152.2	35.39	35.73	36.81	38.05	37.25
East North Central	**141.0**	**142.3**	**145.6**	**148.7**	**150.9**	**30.56**	**30.98**	**32.05**	**32.63**	**33.17**
Illinois	160.6	170.4	173.7	171.4	175.1	32.69	35.30	37.06	36.76	37.79
Indiana	127.2	126.8	131.2	134.4	136.2	26.79	26.73	27.89	28.41	28.78
Michigan	150.6	152.8	155.6	159.2	159.9	32.90	33.17	34.23	35.20	35.60
Ohio	143.9	141.3	143.5	147.9	151.5	34.70	34.05	34.40	35.33	36.01
Wisconsin	120.9	121.0	133.3	135.8	135.8	23.13	22.96	25.92	26.19	26.18
West North Central	**98.8**	**100.9**	**110.0**	**112.2**	**113.0**	**16.76**	**16.88**	**18.92**	**19.44**	**19.66**
Iowa	99.0	101.2	110.4	110.4	111.8	17.39	17.53	19.58	19.62	19.89
Kansas	102.5	102.2	117.9	122.6	124.2	17.85	17.69	20.99	22.06	22.23
Minnesota	113.9	113.4	118.6	126.0	125.2	20.09	20.07	20.96	22.18	22.00
Missouri	110.1	123.8	133.6	134.2	134.8	21.39	24.40	27.57	27.65	28.03
Nebraska	76.5	75.5	74.6	74.5	75.2	13.11	12.92	12.77	12.73	12.88
North Dakota	70.4	71.4	72.1	70.9	68.6	9.28	9.38	9.45	9.37	9.10
South Dakota	108.3	109.8	113.3	113.3	114.6	13.10	13.30	13.68	13.65	13.97
South Atlantic1	**159.9**	**163.7**	**165.6**	**169.7**	**168.9**	**39.53**	**40.80**	**41.28**	**42.18**	**41.86**
Delaware	162.0	169.0	173.4	178.2	181.5	41.98	44.02	45.31	46.51	47.31
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida:ehp2..	177.8	176.7	182.0	185.7	184.9	43.71	43.58	45.03	45.87	45.72
Georgia	169.1	178.2	180.1	179.9	178.6	39.82	43.29	43.36	42.95	42.48
Maryland	155.3	159.9	159.5	163.4	164.7	39.84	40.78	40.68	41.83	41.96
North Carolina	168.2	169.9	172.6	177.9	178.0	41.77	42.36	43.00	44.49	44.64
South Carolina	156.0	156.9	152.7	162.6	172.0	39.84	40.17	39.13	41.37	43.54
Virginia	145.0	146.6	147.3	152.2	154.5	37.05	37.57	37.81	38.87	39.29
West Virginia	139.2	141.8	147.2	151.7	147.2	34.70	35.42	36.88	37.93	36.66
East South Central	**136.2**	**138.9**	**138.5**	**142.3**	**143.3**	**32.43**	**33.30**	**33.05**	**33.93**	**33.98**
Alabama	167.2	176.0	172.7	181.0	184.3	40.42	42.56	41.67	43.82	44.58
Kentucky	116.2	116.7	116.2	117.7	119.3	27.16	27.29	27.01	27.19	27.58
Mississippi	157.1	164.2	159.7	166.9	165.4	35.54	40.51	39.94	41.92	41.49
Tennessee	125.6	126.1	127.3	125.2	134.2	30.61	30.94	31.01	30.48	32.12
West South Central	**134.8**	**144.8**	**147.4**	**149.9**	**148.8**	**20.79**	**22.14**	**22.55**	**22.98**	**22.91**
Arkansas	160.3	170.2	165.3	159.7	161.1	27.91	29.50	28.84	27.90	28.17
Louisiana	153.9	158.5	153.5	164.7	169.5	25.04	25.65	24.93	27.09	27.78
Oklahoma	102.0	123.6	123.4	131.8	140.4	17.50	21.32	21.47	23.17	24.98
Texas	135.0	143.5	149.1	149.9	145.3	19.84	20.91	21.58	21.66	21.19
Mountain	**111.9**	**113.4**	**111.3**	**113.6**	**113.3**	**21.83**	**22.11**	**21.64**	**22.22**	**22.19**
Arizona	137.4	135.2	137.4	140.8	143.0	28.26	27.78	28.31	29.16	29.98
Colorado	105.6	109.2	109.2	108.7	106.1	21.01	21.59	21.67	21.49	20.81
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	69.3	69.3	70.8	67.1	67.0	11.79	11.78	12.14	11.44	11.47
Nevada	143.3	146.8	146.2	140.6	149.1	32.37	32.34	32.32	31.28	33.16
New Mexico	140.9	136.8	132.2	137.6	131.8	25.48	24.61	23.83	25.02	24.03
Utah	113.6	119.0	120.9	119.4	116.7	26.10	27.34	27.54	27.40	26.80
Wyoming	80.3	79.9	75.9	83.1	83.6	14.09	14.03	13.42	14.55	14.74
Pacific Contiguous	**128.4**	**130.1**	**129.6**	**142.6**	**149.4**	**21.93**	**21.55**	**22.17**	**23.16**	**24.42**
California	—	—	—	—	—	—	—	—	—	—
Oregon	107.3	112.2	110.1	108.4	107.9	19.18	19.75	21.23	18.28	18.02
Washington	136.5	136.0	137.3	155.1	157.6	22.93	22.09	22.48	24.86	25.64
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**135.5**	**138.5**	**141.2**	**144.7**	**145.5**	**28.03**	**28.58**	**29.36**	**30.02**	**30.45**

1 The cost of coal shown for the State of Florida and the South Atlantic Census Division is not the total cost of coal delivered to the State and the Census Division. For more detailed information see footnotes 4 and 5 at the end of Table 31.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1994

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	**5,087**	**164.7**	**42.62**	**1,158**	**171.5**	**43.62**	**988**	**159.1**	**39.99**	**5,257**	**167.2**	**43.34**
Connecticut	863	177.4	46.45	—	—	—	—	—	—	863	177.4	46.45
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,028	166.2	42.71	1,098	172.2	43.83	711	164.6	41.52	3,415	168.5	43.31
New Hampshire	1,195	151.9	39.65	60	157.4	39.78	276	144.9	36.07	979	154.1	40.67
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**33,049**	**152.0**	**38.23**	**16,138**	**131.1**	**32.44**	**16,355**	**134.2**	**32.65**	**32,833**	**150.5**	**38.16**
New Jersey	1,925	180.9	48.36	190	190.2	49.76	793	178.1	46.23	1,322	183.8	49.84
New York	4,019	147.2	38.58	4,225	143.3	36.74	645	140.7	32.20	7,599	145.5	38.10
Pennsylvania	27,105	150.6	37.45	11,723	125.4	30.61	14,917	131.5	31.95	23,912	150.1	37.53
East North Central	**130,117**	**151.1**	**32.55**	**56,746**	**118.3**	**26.01**	**124,863**	**139.3**	**28.70**	**62,000**	**144.0**	**34.31**
Illinois	27,098	167.0	33.86	5,838	131.3	27.27	19,583	178.4	34.06	13,353	138.1	30.70
Indiana	34,055	135.2	28.25	19,485	113.5	24.25	38,803	121.4	24.80	14,737	140.8	32.05
Michigan	24,675	152.6	32.90	6,760	143.6	32.91	23,773	148.3	30.55	7,662	156.2	40.18
Ohio	32,670	160.9	38.65	16,640	111.0	26.93	26,535	144.1	34.06	22,776	143.8	35.44
Wisconsin	11,620	125.3	24.16	8,022	114.4	21.64	16,170	112.2	20.07	3,471	149.9	37.37
West North Central	**91,526**	**101.9**	**17.16**	**22,729**	**86.7**	**15.15**	**106,662**	**95.1**	**15.71**	**7,593**	**136.3**	**31.50**
Iowa	9,871	108.0	18.97	7,134	86.6	15.21	16,017	96.0	16.53	989	135.0	31.32
Kansas	12,259	111.5	19.41	5,393	82.1	14.32	16,282	99.9	16.99	1,371	125.7	28.11
Minnesota	14,518	116.2	20.48	3,252	103.6	18.32	17,650	113.4	19.97	120	161.7	38.03
Missouri	23,297	112.9	22.21	3,953	92.0	16.56	22,205	101.8	18.90	5,045	139.0	32.37
Nebraska	6,187	78.9	13.62	2,707	70.9	11.94	8,825	76.1	13.00	69	114.3	27.09
North Dakota	23,077	70.8	9.34	289	36.7	4.60	23,366	70.4	9.28	—	—	—
South Dakota	2,317	108.3	13.10	—	—	—	2,317	108.3	13.10	—	—	—
South Atlantic1	**102,641**	**166.5**	**41.68**	**35,740**	**139.8**	**33.35**	**59,473**	**159.1**	**38.49**	**78,908**	**160.4**	**40.31**
Delaware	1,933	162.1	41.94	350	162.0	42.19	697	159.2	41.03	1,587	163.3	42.40
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida:ehp2..	18,456	186.9	46.22	6,492	151.2	36.58	10,328	172.2	41.58	14,620	181.6	45.21
Georgia	19,299	174.5	43.24	9,462	156.0	32.83	15,455	159.6	35.98	13,306	179.2	44.28
Maryland	7,134	155.6	39.89	2,489	154.6	39.71	5,222	157.9	40.14	4,401	152.4	39.49
North Carolina	17,156	173.7	43.05	4,173	145.7	36.48	10,611	165.3	40.89	10,719	171.0	42.63
South Carolina	9,319	157.1	40.22	1,869	150.3	37.96	1,881	153.9	39.07	9,307	156.4	40.00
Virginia	6,493	143.9	36.82	2,777	147.5	37.59	4,028	144.0	36.76	5,242	145.8	37.27
West Virginia	22,850	152.7	38.17	8,128	100.8	24.95	11,252	148.0	36.43	19,726	134.2	33.71
East South Central	**61,484**	**142.8**	**33.89**	**27,665**	**121.6**	**29.18**	**42,431**	**134.1**	**31.75**	**46,719**	**138.1**	**33.05**
Alabama	19,046	181.0	43.84	8,114	134.5	32.37	13,908	163.8	39.36	13,253	170.7	41.53
Kentucky	23,158	118.6	27.49	13,142	112.1	26.58	23,487	117.0	27.65	12,814	114.9	26.28
Mississippi	3,925	158.2	35.56	374	146.5	35.30	1,906	135.0	28.19	2,393	172.4	41.40
Tennessee	15,354	126.6	30.78	6,035	123.0	30.20	3,129	127.8	30.94	18,260	125.2	30.56
West South Central	**119,742**	**137.7**	**20.94**	**11,912**	**110.0**	**19.23**	**130,946**	**134.7**	**20.71**	**708**	**156.4**	**34.57**
Arkansas	11,154	162.0	28.27	693	130.5	22.04	11,847	160.3	27.91	—	—	—
Louisiana	13,201	153.7	24.92	207	164.5	33.27	13,408	153.9	25.04	—	—	—
Oklahoma	9,159	109.7	18.90	8,031	93.2	15.89	17,191	102.0	17.50	—	—	—
Texas	86,228	134.7	19.60	2,981	143.1	26.57	88,501	134.8	19.72	708	156.4	34.57
Mountain	**98,436**	**114.3**	**22.28**	**9,362**	**86.6**	**17.09**	**87,608**	**110.2**	**20.64**	**20,191**	**118.0**	**27.01**
Arizona	15,992	140.0	29.00	2,435	119.3	23.40	18,387	137.5	28.27	40	97.1	20.63
Colorado	14,368	108.1	21.27	1,875	88.5	19.01	12,606	105.7	20.29	3,637	105.4	23.51
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	10,191	69.4	11.80	119	64.2	10.98	10,310	69.3	11.79	—	—	—
Nevada	7,457	143.9	32.49	170	118.6	27.05	5,427	132.8	29.58	2,200	168.2	39.23
New Mexico	15,316	140.9	25.48	—	—	—	15,316	140.9	25.48	—	—	—
Utah	13,560	116.3	26.68	693	62.4	14.72	—	—	—	14,253	113.6	26.10
Wyoming	21,554	82.6	14.37	4,070	68.9	12.61	25,563	80.4	14.09	61	59.9	12.99
Pacific Contiguous	**4,634**	**141.0**	**22.24**	**3,760**	**115.3**	**21.56**	**7,915**	**128.8**	**21.55**	**479**	**123.6**	**28.22**
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	2,223	107.3	19.18	2,123	107.2	18.92	100	109.5	24.67
Washington	4,634	141.0	22.24	1,537	125.7	25.00	5,792	137.3	22.52	379	127.2	29.16
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**646,718**	**140.4**	**28.53**	**185,211**	**120.0**	**26.26**	**577,240**	**128.9**	**24.53**	**254,689**	**147.4**	**35.95**

1 The cost of coal shown for the State of Florida and the South Atlantic Census Division is not the total cost of coal delivered to the State and the Census Division. For more detailed information see footnotes 4 and 5 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 4. Receipts and Average Delivered Cost of Coal by Rank, Census Division, and State, 1994

Census Division and State	Bituminous1			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	**6,245**	**12,897**	**166.0**	—	—	—	—	—	—	**6,245**	**12,897**	**166.0**
Connecticut	863	13,094	177.4	—	—	—	—	—	—	863	13,094	177.4
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	4,127	12,814	167.8	—	—	—	—	—	—	4,127	12,814	167.8
New Hampshire	1,255	13,032	152.2	—	—	—	—	—	—	1,255	13,032	152.2
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**49,187**	**12,509**	**145.2**	—	—	—	—	—	—	**49,187**	**12,509**	**145.2**
New Jersey	2,115	13,341	181.7	—	—	—	—	—	—	2,115	13,341	181.7
New York	8,244	12,959	145.2	—	—	—	—	—	—	8,244	12,959	145.2
Pennsylvania	38,828	12,368	143.1	—	—	—	—	—	—	38,828	12,368	143.1
East North Central	**126,919**	**11,764**	**142.0**	**59,944**	**8,873**	**138.3**	—	—	—	**186,864**	**10,837**	**141.0**
Illinois	18,783	11,104	139.8	14,152	8,955	194.8	—	—	—	32,936	10,181	160.6
Indiana	38,439	11,287	130.4	15,101	8,619	116.3	—	—	—	53,540	10,535	127.2
Michigan	15,638	12,652	159.8	15,797	9,216	138.1	—	—	—	31,435	10,925	150.6
Ohio	49,311	12,052	143.9	—	—	—	—	—	—	49,311	12,052	143.9
Wisconsin	4,748	12,319	155.5	14,894	8,687	105.3	—	—	—	19,641	9,565	120.9
West North Central	**14,731**	**11,364**	**133.3**	**73,841**	**8,579**	**96.4**	**25,683**	**6,544**	**73.5**	**114,255**	**8,480**	**98.8**
Iowa	1,766	11,484	131.5	15,239	8,470	93.9	—	—	—	17,005	8,783	99.0
Kansas	2,262	11,122	124.3	15,391	8,354	98.2	—	—	—	17,653	8,708	102.5
Minnesota	158	11,584	160.6	17,612	8,796	113.3	—	—	—	17,770	8,821	113.9
Missouri	10,442	11,393	135.2	16,808	8,678	89.5	—	—	—	27,250	9,718	110.1
Nebraska	103	11,424	113.4	8,791	8,537	75.9	—	—	—	8,894	8,571	76.5
North Dakota	—	—	—	—	—	—	23,366	6,593	70.4	23,366	6,593	70.4
South Dakota	—	—	—	—	—	—	2,317	6,049	108.3	2,317	6,049	108.3
South Atlantic2	**133,432**	**12,501**	**160.1**	**4,949**	**8,620**	**150.9**	—	—	—	**138,382**	**12,362**	**159.9**
Delaware	2,284	12,954	162.0	—	—	—	—	—	—	2,284	12,954	162.0
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida:ehp2..	24,830	12,309	177.9	118	8,746	131.6	—	—	—	24,948	12,293	177.8
Georgia	23,930	12,412	171.6	4,831	8,617	151.4	—	—	—	28,761	11,774	169.1
Maryland	9,623	12,824	155.3	—	—	—	—	—	—	9,623	12,824	155.3
North Carolina	21,330	12,416	168.2	—	—	—	—	—	—	21,330	12,416	168.2
South Carolina	11,188	12,771	156.0	—	—	—	—	—	—	11,188	12,771	156.0
Virginia	9,270	12,778	145.0	—	—	—	—	—	—	9,270	12,778	145.0
West Virginia	30,978	12,468	139.2	—	—	—	—	—	—	30,978	12,468	139.2
East South Central	**87,623**	**11,955**	**136.2**	**1,527**	**9,255**	**135.3**	—	—	—	**89,150**	**11,909**	**136.2**
Alabama	26,922	12,120	167.5	238	8,460	119.0	—	—	—	27,160	12,088	167.2
Kentucky	36,301	11,683	116.2	—	—	—	—	—	—	36,301	11,683	116.2
Mississippi	3,011	12,129	163.4	1,288	9,402	138.0	—	—	—	4,299	11,312	157.1
Tennessee	21,389	12,186	125.6	—	—	—	—	—	—	21,389	12,186	125.6
West South Central	**597**	**12,082**	**141.1**	**78,226**	**8,599**	**148.4**	**52,831**	**6,342**	**107.4**	**131,655**	**7,709**	**134.8**
Arkansas	—	—	—	11,847	8,707	160.3	—	—	—	11,847	8,707	160.3
Louisiana	37	11,957	156.4	9,903	8,558	159.0	3,467	6,890	135.7	13,408	8,136	153.9
Oklahoma	112	13,279	100.8	17,079	8,542	102.1	—	—	—	17,191	8,573	102.0
Texas	448	11,794	151.1	39,398	8,602	162.1	49,364	6,303	105.2	89,210	7,346	135.0
Mountain	**38,177**	**11,172**	**114.5**	**69,380**	**8,987**	**110.1**	**241**	**6,631**	**99.9**	**107,799**	**9,755**	**111.9**
Arizona	7,590	11,013	103.6	10,837	9,768	164.1	—	—	—	18,427	10,281	137.4
Colorado	6,880	10,889	108.4	9,363	9,253	103.2	—	—	—	16,242	9,946	105.6
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	10,069	8,545	68.8	241	6,631	99.9	10,310	8,500	69.3
Nevada	6,615	11,538	135.4	1,012	9,676	204.8	—	—	—	7,627	11,291	143.3
New Mexico	—	—	—	15,316	9,043	140.9	—	—	—	15,316	9,043	140.9
Utah	14,253	11,491	113.6	—	—	—	—	—	—	14,253	11,491	113.6
Wyoming	2,840	9,832	112.3	22,784	8,633	75.8	—	—	—	25,624	8,766	80.3
Pacific Contiguous	**510**	**11,415**	**124.0**	**7,884**	**8,357**	**128.8**	—	—	—	**8,394**	**8,542**	**128.4**
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	100	11,264	109.5	2,123	8,828	107.2	—	—	—	2,223	8,937	107.3
Washington	410	11,452	127.5	5,761	8,183	137.4	—	—	—	6,171	8,400	136.5
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**457,422**	**12,049**	**144.7**	**295,752**	**8,738**	**123.8**	**78,756**	**6,409**	**96.1**	**831,929**	**10,338**	**135.5**

1 Includes 689 thousand short tons of anthracite coal delivered to Pennsylvania.

2 The cost of coal shown for the State of Florida and the South Atlantic Census Division is not the total cost of coal delivered to the State and the Census Division. For more detailed information see footnotes 4 and 5 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 5. Receipts and Average Delivered Cost of Coal by Sulfur Content, Census Division, and State, 1994

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	**50**	**169.9**	**42.48**	**3,742**	**168.9**	**43.24**	**1,479**	**167.0**	**43.34**
Connecticut	—	—	—	863	177.4	46.45	—	—	—
Maine	—	—	—	—	—	—	—	—	—
Massachusetts	16	196.2	50.38	2,637	168.4	42.88	1,292	168.0	43.47
New Hampshire	34	157.3	38.86	242	143.2	35.68	187	160.6	42.42
Rhode Island	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**424**	**122.2**	**18.61**	**5,480**	**176.2**	**44.80**	**4,686**	**144.5**	**36.46**
New Jersey	—	—	—	1,469	187.6	50.69	—	—	—
New York	42	186.4	47.22	1,694	187.2	47.71	1,137	138.7	35.34
Pennsylvania	382	109.7	15.49	2,318	159.9	38.94	3,549	146.4	36.82
East North Central	**60,524**	**138.5**	**25.07**	**36,991**	**154.4**	**36.92**	**16,626**	**146.9**	**35.03**
Illinois	14,520	191.0	34.93	3,896	152.4	35.17	1,279	156.0	32.92
Indiana	15,615	118.1	20.59	4,215	158.6	37.05	5,666	145.0	32.43
Michigan	14,810	138.4	25.61	12,399	161.2	39.48	3,183	159.1	41.29
Ohio	—	—	—	14,654	147.0	35.61	5,500	140.2	34.50
Wisconsin	15,579	109.2	19.88	1,826	161.5	33.50	998	142.3	35.38
West North Central	**66,347**	**96.0**	**16.65**	**33,680**	**88.6**	**12.88**	**5,355**	**110.9**	**19.99**
Iowa	14,184	95.1	16.11	1,177	83.6	14.62	243	147.6	35.05
Kansas	16,893	100.6	17.28	17	111.2	19.59	—	—	—
Minnesota	9,548	110.1	19.48	8,066	117.3	20.48	141	159.0	36.78
Missouri	16,845	94.3	16.76	1,668	104.9	20.09	2,020	134.7	31.35
Nebraska	8,875	76.4	13.10	19	99.9	20.21	—	—	—
North Dakota	—	—	—	20,416	69.8	9.15	2,950	74.1	10.16
South Dakota	—	—	—	2,317	108.3	13.10	—	—	—
South Atlantic1	**5,592**	**151.3**	**27.33**	**56,328**	**165.0**	**41.32**	**42,414**	**164.6**	**41.48**
Delaware	—	—	—	1,568	164.2	42.35	702	157.4	41.18
District of Columbia	—	—	—	—	—	—	—	—	—
Florida:ehp2..	729	151.0	35.09	8,807	172.1	42.85	5,788	196.9	49.72
Georgia	4,842	151.5	26.12	10,217	173.2	43.68	9,963	169.8	42.27
Maryland	—	—	—	4,589	149.7	38.02	2,854	159.1	41.34
North Carolina	20	140.0	35.92	12,178	171.5	42.42	9,112	163.9	40.92
South Carolina	—	—	—	2,355	160.0	41.25	7,586	155.7	39.61
Virginia	—	—	—	5,517	144.8	36.89	3,528	145.2	37.24
West Virginia	—	—	—	11,098	162.6	40.15	2,881	139.1	34.31
East South Central	**3,410**	**138.3**	**29.71**	**24,623**	**162.7**	**39.90**	**12,980**	**128.3**	**31.46**
Alabama	807	131.7	31.28	12,993	189.6	46.28	3,926	144.6	34.89
Kentucky	590	123.6	28.92	9,114	126.9	30.99	3,760	115.9	28.00
Mississippi	2,004	146.5	29.30	1,152	192.7	48.07	280	159.0	38.14
Tennessee	9	128.2	31.41	1,364	122.6	31.78	5,015	123.4	30.99
West South Central	**84,558**	**148.2**	**24.93**	**19,086**	**105.3**	**14.10**	**21,394**	**96.6**	**12.82**
Arkansas	11,847	160.3	27.91	—	—	—	—	—	—
Louisiana	9,882	159.1	27.27	3,004	135.1	18.75	522	140.2	19.15
Oklahoma	17,079	102.1	17.44	—	—	—	—	—	—
Texas	45,751	160.3	26.45	16,082	99.5	13.23	20,872	95.5	12.66
Mountain	**49,491**	**113.0**	**22.42**	**58,218**	**111.0**	**21.35**	**90**	**60.0**	**12.90**
Arizona	7,814	165.1	33.07	10,613	117.9	24.71	—	—	—
Colorado	14,039	107.7	21.28	2,179	93.4	19.38	24	60.2	12.64
Idaho	—	—	—	—	—	—	—	—	—
Montana	277	82.2	12.27	10,033	69.0	11.77	—	—	—
Nevada	4,730	145.0	32.73	2,897	140.6	31.78	—	—	—
New Mexico	—	—	—	15,316	140.9	25.48	—	—	—
Utah	10,188	120.6	27.73	4,065	95.9	22.02	—	—	—
Wyoming	12,443	55.0	8.97	13,115	101.5	18.94	66	59.9	12.99
Pacific Contiguous	**3,623**	**115.0**	**21.41**	**4,771**	**140.2**	**22.33**	—	—	—
California	—	—	—	—	—	—	—	—	—
Oregon	2,153	107.2	19.11	70	111.4	21.17	—	—	—
Washington	1,470	125.4	24.77	4,701	140.8	22.35	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Total	**274,018**	**126.2**	**22.56**	**242,920**	**140.6**	**29.37**	**105,022**	**145.0**	**32.06**

1 The cost of coal shown for the State of Florida and the South Atlantic Census Division is not the total cost of coal delivered to the State and the Census Division. For more detailed information see footnotes 4 and 5 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, 1994 (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	**770**	**154.8**	**40.71**	**203**	**147.1**	**39.08**	—	—	—	**166.0**	**42.81**
Connecticut	—	—	—	—	—	—	—	—	—	177.4	46.45
Maine	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	181	155.7	40.87	—	—	—	—	—	—	167.8	43.00
New Hampshire	589	154.5	40.67	203	147.1	39.08	—	—	—	152.2	39.66
Rhode Island	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**15,132**	**139.4**	**35.44**	**18,161**	**135.6**	**33.89**	**5,305**	**164.6**	**39.74**	**145.2**	**36.33**
New Jersey	9	163.8	43.40	638	167.9	43.49	—	—	—	181.7	48.49
New York	2,640	136.7	35.61	2,606	130.5	34.32	126	120.7	30.70	145.2	37.63
Pennsylvania	12,482	140.0	35.40	14,918	135.1	33.41	5,179	165.7	39.96	143.1	35.39
East North Central	**8,732**	**130.2**	**30.45**	**28,436**	**129.0**	**29.51**	**35,555**	**139.3**	**32.06**	**141.0**	**30.56**
Illinois	698	114.9	26.15	7,814	139.4	30.55	4,728	132.2	28.25	160.6	32.69
Indiana	4,734	132.3	29.53	11,760	114.5	25.92	11,550	126.9	28.44	127.2	26.79
Michigan	410	121.6	31.81	508	125.1	31.45	125	161.9	38.47	150.6	32.90
Ohio	2,090	123.6	30.96	7,915	137.2	33.07	19,152	147.8	35.14	143.9	34.70
Wisconsin	800	153.5	37.63	438	183.2	41.20	—	—	—	120.9	23.13
West North Central	**424**	**138.4**	**32.11**	**4,011**	**133.3**	**30.24**	**4,439**	**134.0**	**30.17**	**98.8**	**16.76**
Iowa	153	143.3	32.94	999	124.1	28.66	248	144.5	31.92	99.0	17.39
Kansas	—	—	—	231	178.9	41.10	511	115.2	26.21	102.5	17.85
Minnesota	14	167.3	38.87	—	—	—	—	—	—	113.9	20.09
Missouri	257	133.9	31.24	2,780	132.8	29.90	3,679	136.0	30.60	110.1	21.39
Nebraska	—	—	—	—	—	—	—	—	—	76.5	13.11
North Dakota	—	—	—	—	—	—	—	—	—	70.4	9.28
South Dakota	—	—	—	—	—	—	—	—	—	108.3	13.10
South Atlantic1	**11,222**	**144.9**	**36.29**	**14,578**	**158.3**	**38.75**	**8,248**	**127.0**	**31.31**	**159.9**	**39.53**
Delaware	14	154.9	41.01	—	—	—	—	—	—	162.0	41.98
District of Columbia	—	—	—	—	—	—	—	—	—	—	—
Florida:ehp2..	269	182.7	44.67	8,082	172.0	41.64	1,272	177.8	40.17	177.8	43.71
Georgia	1,461	173.1	43.12	2,006	168.4	38.33	271	187.8	41.85	169.1	39.82
Maryland	1,699	167.0	42.80	482	144.8	37.91	—	—	—	155.3	39.84
North Carolina	17	151.0	38.13	2	157.4	36.66	—	—	—	168.2	41.77
South Carolina	1,203	149.8	38.47	44	159.7	41.47	—	—	—	156.0	39.84
Virginia	226	146.4	38.10	—	—	—	—	—	—	145.0	37.05
West Virginia	6,332	129.5	32.12	3,963	129.1	33.14	6,704	116.2	29.21	139.2	34.70
East South Central	**12,537**	**142.8**	**34.47**	**22,222**	**118.4**	**27.98**	**13,378**	**115.0**	**25.81**	**136.2**	**32.43**
Alabama	5,643	164.3	39.60	2,228	125.9	30.04	1,564	120.3	27.97	167.2	40.42
Kentucky	1,327	116.3	27.99	9,782	107.7	25.03	11,728	114.3	25.51	116.2	27.16
Mississippi	63	133.4	32.02	800	128.6	32.50	—	—	—	157.1	35.54
Tennessee	5,504	127.3	30.80	9,412	126.5	30.17	86	107.5	26.87	125.6	30.61
West South Central	**6,504**	**126.4**	**12.65**	—	—	—	**112**	**100.8**	**26.78**	**134.8**	**20.79**
Arkansas	—	—	—	—	—	—	—	—	—	160.3	27.91
Louisiana	—	—	—	—	—	—	—	—	—	153.9	25.04
Oklahoma	—	—	—	—	—	—	112	100.8	26.78	102.0	17.50
Texas	6,504	126.4	12.65	—	—	—	—	—	—	135.0	19.84
Mountain	—	—	—	—	—	—	—	—	—	**111.9**	**21.83**
Arizona	—	—	—	—	—	—	—	—	—	137.4	28.26
Colorado	—	—	—	—	—	—	—	—	—	105.6	21.01
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	69.3	11.79
Nevada	—	—	—	—	—	—	—	—	—	143.3	32.37
New Mexico	—	—	—	—	—	—	—	—	—	140.9	25.48
Utah	—	—	—	—	—	—	—	—	—	113.6	26.10
Wyoming	—	—	—	—	—	—	—	—	—	80.3	14.09
Pacific Contiguous	—	—	—	—	—	—	—	—	—	**128.4**	**21.93**
California	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	107.3	19.18
Washington	—	—	—	—	—	—	—	—	—	136.5	22.93
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—
Total	**55,322**	**139.5**	**31.98**	**87,611**	**133.0**	**31.62**	**67,036**	**134.7**	**31.19**	**135.5**	**28.03**

1 The cost of coal shown for the State of Florida and the South Atlantic Census Division is not the total cost of coal delivered to the State and the Census Division. For more detailed information see footnotes 4 and 5 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, 1990-1994

(Thousand Barrels)

Census Division and State	1994	1993	1992	1991	1990
New England	**24,173**	**27,617**	**35,861**	**39,568**	**47,717**
Connecticut	6,019	6,263	9,108	11,724	14,688
Maine	964	1,317	2,198	2,235	3,790
Massachusetts	14,742	17,828	21,871	23,310	24,575
New Hampshire	2,319	1,964	2,605	2,132	4,292
Rhode Island	121	243	80	167	372
Vermont	8	2	—	—	—
Middle Atlantic	**34,891**	**31,339**	**38,740**	**53,535**	**72,878**
New Jersey	5,451	2,711	2,438	2,907	5,367
New York	19,732	21,766	32,680	45,887	60,282
Pennsylvania	9,709	6,861	3,622	4,741	7,229
East North Central	**5,192**	**3,988**	**3,920**	**4,432**	**4,743**
Illinois	2,615	1,867	2,299	2,341	2,124
Indiana	354	399	270	360	360
Michigan	1,587	1,162	929	1,024	1,610
Ohio	541	490	369	624	581
Wisconsin	94	70	54	83	67
West North Central	**545**	**588**	**496**	**585**	**404**
Iowa	108	97	60	70	86
Kansas	98	67	51	90	39
Minnesota	47	33	36	37	26
Missouri	196	289	288	314	162
Nebraska	17	31	8	8	28
North Dakota	79	66	53	62	55
South Dakota	—	6	—	4	7
South Atlantic	**67,296**	**67,856**	**54,488**	**57,679**	**56,302**
Delaware	2,950	3,321	2,214	2,448	2,011
District of Columbia	653	371	231	454	771
Florida	51,596	53,854	43,311	44,855	42,575
Georgia	222	326	217	217	304
Maryland	7,795	6,191	5,076	6,875	7,144
North Carolina	271	211	193	226	246
South Carolina	107	81	84	114	114
Virginia	3,314	3,098	2,801	2,158	2,781
West Virginia	387	403	361	333	355
East South Central	**2,394**	**6,033**	**1,108**	**1,241**	**1,643**
Alabama	155	116	131	153	125
Kentucky	311	209	221	248	190
Mississippi	1,733	5,557	607	657	1,215
Tennessee	196	151	149	183	113
West South Central	**499**	**1,357**	**627**	**617**	**1,804**
Arkansas	143	95	97	118	145
Louisiana	208	803	93	89	386
Oklahoma	10	7	115	21	115
Texas	139	452	324	389	1,158
Mountain	**466**	**882**	**790**	**825**	**816**
Arizona	69	36	140	133	280
Colorado	6	4	27	17	37
Idaho	—	—	—	—	—
Montana	18	24	16	22	40
Nevada	222	609	390	417	282
New Mexico	45	70	74	78	55
Utah	27	31	29	46	23
Wyoming	79	108	114	110	99
Pacific Contiguous	**387**	**966**	**35**	**2,145**	**12,484**
California	370	932	1	2,045	12,445
Oregon	3	11	19	84	13
Washington	14	23	15	15	25
Pacific Noncontiguous	**7,096**	**7,276**	**8,324**	**8,998**	**10,560**
Alaska	—	—	—	—	—
Hawaii	7,096	7,276	8,324	8,998	10,560
Total	**142,940**	**147,902**	**144,390**	**169,625**	**209,350**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1990-1994

Census Division and State	1994	1993	1992	1991	1990	1994	1993	1992	1991	1990
	(cents per million Btu)					(dollars per barrel)				
New England	**252.0**	**249.3**	**233.2**	**225.9**	**285.5**	**16.00**	**15.87**	**14.85**	**14.34**	**18.09**
Connecticut	253.1	239.8	241.0	247.4	301.5	16.06	15.28	15.27	15.67	19.09
Maine	213.8	213.7	228.8	208.5	278.5	13.49	13.49	14.48	13.20	17.55
Massachusetts	262.4	261.7	236.3	221.0	286.4	16.63	16.63	15.03	14.01	18.08
New Hampshire	199.5	183.7	185.8	179.6	226.9	12.86	11.89	12.23	11.82	14.71
Rhode Island	253.5	319.7	195.0	241.1	358.9	16.11	20.19	12.50	15.34	22.98
Vermont	453.5	485.1	—	—	—	25.87	27.34	—	—	—
Middle Atlantic	**262.3**	**257.7**	**267.3**	**273.6**	**359.2**	**16.46**	**16.31**	**16.92**	**17.30**	**22.61**
New Jersey	290.2	268.0	303.3	302.1	359.6	18.08	16.81	18.96	18.84	22.40
New York	251.7	257.0	263.8	271.9	360.3	15.83	16.30	16.72	17.22	22.71
Pennsylvania	268.3	255.8	275.2	272.8	349.5	16.82	16.15	17.34	17.13	21.99
East North Central	**307.5**	**326.4**	**326.9**	**336.3**	**387.2**	**18.93**	**19.99**	**20.23**	**20.65**	**23.77**
Illinois	283.0	298.0	305.1	308.8	394.7	17.82	18.67	19.27	19.33	24.67
Indiana	389.9	420.7	443.3	493.9	512.2	22.50	24.24	25.57	28.47	29.52
Michigan	295.6	305.8	296.8	285.5	320.2	18.20	18.91	18.34	17.57	19.64
Ohio	403.8	407.4	451.4	428.7	458.8	23.39	23.54	26.09	25.43	27.54
Wisconsin	397.9	408.7	463.7	445.8	526.1	23.29	23.94	27.19	26.08	30.76
West North Central	**355.5**	**359.2**	**318.5**	**335.8**	**498.4**	**21.03**	**21.33**	**19.32**	**20.28**	**29.19**
Iowa	392.3	408.0	424.0	437.7	518.1	22.71	23.69	24.57	25.37	30.01
Kansas	396.8	402.4	437.8	431.6	540.4	23.15	23.43	25.58	25.08	31.36
Minnesota	419.8	442.0	450.9	382.9	533.3	24.42	25.63	26.24	22.80	30.83
Missouri	278.4	298.8	234.9	261.9	434.6	16.97	18.15	14.67	16.29	25.76
Nebraska	401.8	420.1	464.9	457.3	703.4	23.23	24.28	26.87	26.43	40.78
North Dakota	407.2	441.6	457.7	426.1	499.1	23.72	25.60	26.72	24.87	29.20
South Dakota	—	467.2	—	487.9	565.3	—	27.47	—	28.69	33.24
South Atlantic	**232.7**	**224.2**	**244.5**	**230.0**	**311.4**	**14.75**	**14.24**	**15.51**	**14.56**	**19.66**
Delaware	259.3	230.0	241.8	237.9	278.2	16.31	14.61	15.31	15.14	17.68
District of Columbia	326.4	303.8	350.4	318.6	363.3	19.64	18.32	21.03	19.14	21.86
Florida	226.2	220.1	241.7	224.8	301.9	14.38	14.02	15.38	14.28	19.15
Georgia	396.3	346.9	434.4	473.8	485.5	23.05	20.74	25.64	27.46	28.51
Maryland	244.5	228.9	230.3	226.1	315.7	15.47	14.48	14.56	14.25	19.84
North Carolina	383.8	405.0	441.1	473.5	512.1	22.28	23.58	25.65	27.50	29.73
South Carolina	409.7	425.5	461.7	475.1	622.1	23.77	24.69	26.79	27.56	36.07
Virginia	216.2	212.6	247.1	222.7	383.5	13.60	13.42	15.45	13.72	23.57
West Virginia	442.4	462.0	483.8	537.4	572.4	25.89	27.02	28.35	31.39	33.49
East South Central	**230.0**	**194.6**	**317.5**	**345.4**	**322.0**	**14.37**	**12.44**	**19.49**	**21.07**	**20.00**
Alabama	402.0	425.4	459.8	511.8	556.9	23.28	24.60	26.49	29.47	32.09
Kentucky	433.3	437.8	479.4	505.1	575.0	25.29	25.58	27.99	29.49	33.56
Mississippi	164.1	176.2	200.0	215.7	243.3	10.52	11.35	12.82	13.70	15.45
Tennessee	414.9	431.3	480.2	498.3	560.8	24.09	25.06	27.93	29.05	32.70
West South Central	**300.6**	**245.8**	**416.4**	**477.3**	**468.4**	**18.29**	**15.42**	**24.42**	**28.02**	**28.16**
Arkansas	358.9	457.9	480.8	560.7	470.4	21.13	26.31	27.71	32.44	27.44
Louisiana	269.3	222.7	387.9	413.4	371.5	16.73	14.23	23.12	24.86	22.62
Oklahoma	370.3	349.8	435.6	408.7	320.3	21.71	20.39	25.33	23.59	20.98
Texas	285.5	245.3	399.0	471.0	517.3	17.48	15.17	23.49	27.64	30.82
Mountain	**389.1**	**399.8**	**405.7**	**445.6**	**424.9**	**23.48**	**24.43**	**24.41**	**26.80**	**25.60**
Arizona	428.1	511.4	466.5	499.0	446.0	25.56	30.18	27.51	29.27	26.76
Colorado	458.1	480.6	479.3	512.6	534.5	25.90	27.63	27.25	29.36	30.76
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	462.9	525.5	509.1	471.7	543.2	27.41	31.12	30.15	27.94	32.17
Nevada	328.7	358.3	331.3	393.3	314.3	20.46	22.35	20.56	24.37	19.57
New Mexico	464.9	505.8	515.5	535.3	524.5	26.55	28.89	29.38	30.58	30.42
Utah	467.4	539.1	484.1	490.3	541.5	27.45	31.61	28.47	28.75	31.84
Wyoming	444.5	473.0	479.3	494.3	526.8	25.95	27.63	28.01	28.89	30.72
Pacific Contiguous	**227.3**	**241.6**	**448.7**	**314.4**	**435.8**	**13.92**	**14.86**	**26.42**	**19.22**	**26.73**
California	216.3	234.7	217.9	306.2	435.8	13.27	14.46	13.26	18.75	26.73
Oregon	465.4	382.8	449.2	475.3	347.3	27.17	22.51	26.44	28.08	20.28
Washington	472.0	468.9	466.0	572.9	511.0	27.74	27.56	27.39	33.73	30.25
Pacific Noncontiguous	**271.2**	**308.5**	**292.1**	**330.6**	**415.2**	**17.05**	**19.33**	**18.32**	**20.65**	**25.97**
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	271.2	308.5	292.1	330.6	415.2	17.05	19.33	18.32	20.65	25.97
Total	**248.8**	**243.3**	**255.1**	**254.8**	**338.4**	**15.70**	**15.42**	**16.15**	**16.09**	**21.28**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1994

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	**18,137**	**244.2**	**15.54**	**5,901**	**273.4**	**17.26**	**387.9**	**22.52**	—	—	**251.3**	**15.96**
Connecticut	4,862	250.9	15.94	1,109	257.9	16.32	382.3	22.33	—	—	252.2	16.01
Maine	—	—	—	952	211.8	13.38	379.9	22.15	—	—	211.8	13.38
Massachusetts	10,982	251.1	15.95	3,719	294.5	18.57	394.5	22.70	—	—	262.0	16.61
New Hampshire	2,293	197.8	12.76	—	—	—	372.1	21.75	—	—	197.8	12.76
Rhode Island	—	—	—	121	253.5	16.11	—	—	—	—	253.5	16.11
Vermont	—	—	—	—	—	—	453.5	25.87	—	—	—	—
Middle Atlantic	**22,808**	**255.8**	**16.14**	**10,380**	**257.2**	**16.13**	**390.2**	**22.73**	—	—	**256.2**	**16.14**
New Jersey	3,386	277.1	17.40	1,734	298.8	18.57	386.3	22.59	—	—	284.4	17.79
New York	12,264	250.4	15.80	7,255	249.7	15.66	405.2	23.77	—	—	250.1	15.75
Pennsylvania	7,158	255.1	16.14	1,391	244.5	15.50	388.5	22.59	—	—	253.4	16.04
East North Central	**1,205**	**248.2**	**15.88**	**2,207**	**279.0**	**17.60**	**390.1**	**22.65**	—	—	**268.1**	**17.00**
Illinois	1,205	248.2	15.88	989	283.2	18.06	391.7	22.79	—	—	264.0	16.86
Indiana	—	—	—	—	—	—	389.9	22.50	—	—	—	—
Michigan	—	—	—	1,219	275.6	17.23	366.6	21.39	—	—	275.6	17.23
Ohio	—	—	—	—	—	—	403.8	23.39	—	—	—	—
Wisconsin	—	—	—	—	—	—	397.9	23.29	—	—	—	—
West North Central	—	—	—	**89**	**167.1**	**10.87**	**397.0**	**23.03**	—	—	**167.1**	**10.87**
Iowa	—	—	—	—	—	—	392.3	22.71	—	—	—	—
Kansas	—	—	—	3	157.9	10.08	405.1	23.56	—	—	157.9	10.08
Minnesota	—	—	—	—	—	—	419.8	24.42	—	—	—	—
Missouri	—	—	—	85	165.8	10.80	374.9	21.67	—	—	165.8	10.80
Nebraska	—	—	—	—	—	—	401.8	23.23	—	—	—	—
North Dakota	—	—	—	2	258.5	15.96	410.5	23.88	—	—	258.5	15.96
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**27,896**	**228.1**	**14.51**	**36,352**	**224.5**	**14.27**	**400.3**	**23.38**	**319.9**	**19.30**	**226.1**	**14.38**
Delaware	2,391	245.6	15.59	321	250.2	15.59	419.3	24.59	—	—	246.1	15.59
District of Columbia	—	—	—	—	—	—	400.7	23.41	319.9	19.30	—	—
Florida	17,762	223.4	14.22	33,474	226.1	14.38	394.0	23.00	—	—	225.2	14.32
Georgia	—	—	—	—	—	—	396.3	23.05	—	—	—	—
Maryland	7,303	236.3	15.02	39	282.2	17.91	384.2	22.47	—	—	236.6	15.04
North Carolina	—	—	—	—	—	—	383.8	22.28	—	—	—	—
South Carolina	—	—	—	—	—	—	409.7	23.77	—	—	—	—
Virginia	440	187.8	12.10	2,519	199.2	12.59	385.2	22.59	—	—	197.5	12.52
West Virginia	—	—	—	—	—	—	442.4	25.89	—	—	—	—
East South Central	—	—	—	**1,689**	**158.1**	**10.16**	**420.3**	**24.45**	—	—	**158.1**	**10.16**
Alabama	—	—	—	—	—	—	402.0	23.28	—	—	—	—
Kentucky	—	—	—	—	—	—	433.3	25.29	—	—	—	—
Mississippi	—	—	—	1,689	158.1	10.16	415.8	24.21	—	—	158.1	10.16
Tennessee	—	—	—	—	—	—	414.9	24.09	—	—	—	—
West South Central	**124**	**192.3**	**12.26**	**49**	**255.3**	**15.96**	**396.5**	**23.14**	**213.2**	**13.53**	**209.8**	**13.30**
Arkansas	—	—	—	43	261.6	16.30	404.0	23.19	—	—	261.6	16.30
Louisiana	124	192.3	12.26	6	210.5	13.45	406.1	24.11	—	—	193.2	12.31
Oklahoma	—	—	—	—	—	—	370.3	21.71	—	—	—	—
Texas	—	—	—	—	—	—	377.5	22.11	213.2	13.53	—	—
Mountain	—	—	—	**209**	**322.4**	**20.15**	**447.1**	**26.18**	—	—	**322.4**	**20.15**
Arizona	—	—	—	—	—	—	428.1	25.56	—	—	—	—
Colorado	—	—	—	—	—	—	458.1	25.90	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	462.9	27.41	—	—	—	—
Nevada	—	—	—	209	322.4	20.15	436.9	25.41	—	—	322.4	20.15
New Mexico	—	—	—	—	—	—	464.9	26.55	—	—	—	—
Utah	—	—	—	—	—	—	467.4	27.45	—	—	—	—
Wyoming	—	—	—	—	—	—	444.5	25.95	—	—	—	—
Pacific Contiguous	—	—	—	**367**	**215.9**	**13.25**	**440.6**	**25.95**	—	—	**215.9**	**13.25**
California	—	—	—	367	215.9	13.25	267.9	16.07	—	—	215.9	13.25
Oregon	—	—	—	—	—	—	465.4	27.17	—	—	—	—
Washington	—	—	—	—	—	—	472.0	27.74	—	—	—	—
Pacific Noncontiguous	**7,096**	**271.2**	**17.05**	—	—	—	—	—	—	—	**271.2**	**17.05**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	7,096	271.2	17.05	—	—	—	—	—	—	—	271.2	17.05
Total	**77,266**	**244.2**	**15.49**	**57,244**	**235.7**	**14.93**	**398.7**	**23.22**	**307.4**	**18.66**	**240.6**	**15.25**

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, 1994

Census Division and State	No. 2 Fuel Oil			Nos. 4 & 5 Fuel Oil1			No. 6 Fuel Oil			Total2		
	Receipts (1,000 barrels)	Heat Value (Btu per barrel)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per barrel)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per barrel)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per barrel)	Cost (cents per MM Btu)
New England	**135**	**138,247**	**387.9**	—	—	—	**24,038**	**151,208**	**251.3**	**24,173**	**151,136**	**252.0**
Connecticut	48	139,050	382.3	—	—	—	5,971	151,148	252.2	6,019	151,052	253.1
Maine	12	138,834	379.9	—	—	—	952	150,354	211.8	964	150,208	213.8
Massachusetts	41	137,013	394.5	—	—	—	14,701	150,909	262.0	14,742	150,871	262.4
New Hampshire	26	139,174	372.1	—	—	—	2,293	153,628	197.8	2,319	153,465	199.5
Rhode Island	—	—	—	—	—	—	121	151,317	253.5	121	151,317	253.5
Vermont	8	135,810	453.5	—	—	—	—	—	—	8	135,810	453.5
Middle Atlantic	**1,703**	**138,730**	**390.2**	—	—	—	**33,188**	**149,964**	**256.2**	**34,891**	**149,416**	**262.3**
New Jersey	330	139,241	386.3	—	—	—	5,121	148,966	284.4	5,451	148,378	290.2
New York	213	139,663	405.2	—	—	—	19,519	149,898	250.1	19,732	149,788	251.7
Pennsylvania	1,160	138,413	388.5	—	—	—	8,549	150,714	253.4	9,709	149,244	268.3
East North Central	**1,780**	**138,257**	**390.1**	—	—	—	**3,412**	**150,953**	**268.1**	**5,192**	**146,601**	**307.5**
Illinois	422	138,562	391.7	—	—	—	2,194	152,091	264.0	2,615	149,910	283.0
Indiana	354	137,426	389.9	—	—	—	—	—	—	354	137,426	389.9
Michigan	369	138,879	366.6	—	—	—	1,219	148,905	275.6	1,587	146,577	295.6
Ohio	541	137,940	403.8	—	—	—	—	—	—	541	137,940	403.8
Wisconsin	94	139,390	397.9	—	—	—	—	—	—	94	139,390	397.9
West North Central	**456**	**138,096**	**397.0**	—	—	—	**89**	**154,872**	**167.1**	**545**	**140,848**	**355.5**
Iowa	108	137,859	392.3	—	—	—	—	—	—	108	137,859	392.3
Kansas	95	138,479	405.1	—	—	—	3	152,000	157.9	98	138,892	396.8
Minnesota	47	138,488	419.8	—	—	—	—	—	—	47	138,488	419.8
Missouri	111	137,616	374.9	—	—	—	85	155,122	165.8	196	145,181	278.4
Nebraska	17	137,641	401.8	—	—	—	—	—	—	17	137,641	401.8
North Dakota	77	138,511	410.5	—	—	—	2	147,000	258.5	79	138,683	407.2
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**2,369**	**139,058**	**400.3**	**599**	**143,647**	**319.9**	**64,248**	**151,399**	**226.1**	**67,296**	**150,875**	**232.7**
Delaware	159	139,605	419.3	—	—	—	2,711	150,800	246.1	2,950	149,735	259.3
District of Columbia	54	139,102	400.7	599	143,647	319.9	—	—	—	653	143,271	326.4
Florida	360	138,976	394.0	—	—	—	51,236	151,465	225.2	51,596	151,378	226.2
Georgia	222	138,484	396.3	—	—	—	—	—	—	222	138,484	396.3
Maryland	453	139,264	384.2	—	—	—	7,342	151,337	236.6	7,795	150,636	244.5
North Carolina	271	138,239	383.8	—	—	—	—	—	—	271	138,239	383.8
South Carolina	107	138,152	409.7	—	—	—	—	—	—	107	138,152	409.7
Virginia	355	139,597	385.2	—	—	—	2,959	150,963	197.5	3,314	149,744	216.2
West Virginia	387	139,324	442.4	—	—	—	—	—	—	387	139,324	442.4
East South Central	**706**	**138,499**	**420.3**	—	—	—	**1,689**	**153,075**	**158.1**	**2,394**	**148,780**	**230.0**
Alabama	155	137,865	402.0	—	—	—	—	—	—	155	137,865	402.0
Kentucky	311	138,955	433.3	—	—	—	—	—	—	311	138,955	433.3
Mississippi	44	138,636	415.8	—	—	—	1,689	153,075	158.1	1,733	152,706	164.1
Tennessee	196	138,244	414.9	—	—	—	—	—	—	196	138,244	414.9
West South Central	**252**	**138,931**	**396.5**	**75**	**151,122**	**213.2**	**173**	**150,939**	**209.8**	**499**	**144,913**	**300.6**
Arkansas	100	136,651	404.0	—	—	—	43	148,379	261.6	143	140,162	358.9
Louisiana	78	141,333	406.1	—	—	—	130	151,780	193.2	208	147,869	269.3
Oklahoma	10	139,562	370.3	—	—	—	—	—	—	10	139,562	370.3
Texas	64	139,468	377.5	75	151,122	213.2	—	—	—	139	145,760	285.5
Mountain	**257**	**139,429**	**447.1**	—	—	—	**209**	**148,800**	**322.4**	**466**	**143,635**	**389.1**
Arizona	69	142,149	428.1	—	—	—	—	—	—	69	142,149	428.1
Colorado	6	134,590	458.1	—	—	—	—	—	—	6	134,590	458.1
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	18	141,000	462.9	—	—	—	—	—	—	18	141,000	462.9
Nevada	13	138,500	436.9	—	—	—	209	148,800	322.4	222	148,197	328.7
New Mexico	45	136,000	464.9	—	—	—	—	—	—	45	136,000	464.9
Utah	27	139,839	467.4	—	—	—	—	—	—	27	139,839	467.4
Wyoming	79	138,987	444.5	—	—	—	—	—	—	79	138,987	444.5
Pacific Contiguous	**20**	**140,215**	**440.6**	—	—	—	**367**	**146,127**	**215.9**	**387**	**145,814**	**227.3**
California	3	142,790	267.9	—	—	—	367	146,127	215.9	370	146,100	216.3
Oregon	3	139,000	465.4	—	—	—	—	—	—	3	139,000	465.4
Washington	14	139,934	472.0	—	—	—	—	—	—	14	139,934	472.0
Pacific Noncontiguous	—	—	—	—	—	—	**7,096**	**149,700**	**271.2**	**7,096**	**149,700**	**271.2**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	7,096	149,700	271.2	7,096	149,700	271.2
Total	**7,676**	**138,688**	**398.7**	**674**	**144,479**	**307.4**	**134,510**	**150,914**	**240.6**	**142,940**	**150,218**	**248.8**

1 Blend of No. 2 Fuel Oil and No. 6 Fuel Oil.
2 Includes 80 thousand barrels of kerosene.

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 10. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Division, and State, 1994

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 (cents per MM Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per MM Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per MM Btu)	Cost ($ per bbl)
New England	**265**	**227.9**	**14.51**	**2,804**	**257.6**	**16.12**	**12,458**	**244.9**	**15.59**
Connecticut	143	214.5	13.72	1,157	263.9	16.57	4,671	250.5	15.94
Maine	—	—	—	116	202.3	12.85	401	246.4	15.54
Massachusetts	122	243.7	15.44	1,531	257.0	16.04	7,189	241.5	15.38
New Hampshire	—	—	—	—	—	—	77	208.4	13.22
Rhode Island	—	—	—	—	—	—	121	253.5	16.11
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**11,447**	**271.4**	**16.87**	**5,573**	**260.0**	**16.34**	**13,050**	**246.4**	**15.67**
New Jersey	3,743	291.5	18.16	343	271.2	16.88	1,034	263.5	16.77
New York	7,615	260.3	16.18	1,437	272.1	17.01	7,348	241.5	15.37
Pennsylvania	89	377.3	22.34	3,792	254.4	16.04	4,668	250.3	15.91
East North Central	**6**	**224.0**	**13.36**	**23**	**337.7**	**21.05**	**3,336**	**268.0**	**16.99**
Illinois	—	—	—	—	—	—	2,194	264.0	16.86
Indiana	—	—	—	—	—	—	—	—	—
Michigan	6	224.0	13.36	23	337.7	21.05	1,143	276.0	17.25
Ohio	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—
West North Central	—	—	—	—	—	—	**3**	**157.9**	**10.08**
Iowa	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	3	157.9	10.08
Minnesota	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—
South Atlantic	**862**	**209.5**	**13.31**	—	—	—	**30,292**	**237.4**	**15.08**
Delaware	40	312.6	19.17	—	—	—	2,550	242.7	15.38
District of Columbia	—	—	—	—	—	—	599	319.9	19.30
Florida	822	204.7	13.03	—	—	—	23,400	231.9	14.76
Georgia	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	3,119	261.4	16.66
North Carolina	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	624	223.2	13.99
West Virginia	—	—	—	—	—	—	—	—	—
East South Central	**340**	**161.0**	**10.33**	—	—	—	—	—	—
Alabama	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—
Mississippi	340	161.0	10.33	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—	—
West South Central	**75**	**213.2**	**13.53**	**1**	**469.7**	**28.36**	**122**	**217.4**	**13.74**
Arkansas	*	205.8	12.93	—	—	—	42	262.2	16.34
Louisiana	—	—	—	1	469.7	28.36	79	194.1	12.36
Oklahoma	—	—	—	—	—	—	—	—	—
Texas	75	213.2	13.53	—	—	—	—	—	—
Mountain	—	—	—	—	—	—	**209**	**322.4**	**20.15**
Arizona	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	209	322.4	20.15
New Mexico	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**266**	**214.3**	**13.13**	—	—	—	**101**	**220.2**	**13.58**
California	266	214.3	13.13	—	—	—	101	220.2	13.58
Oregon	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**89**	**241.8**	**15.10**	**7,007**	**271.6**	**17.08**	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	89	241.8	15.10	7,007	271.6	17.08	—	—	—
Total	**13,351**	**261.9**	**16.32**	**15,407**	**264.9**	**16.64**	**59,570**	**242.9**	**15.44**

* = 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. • 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, 1994 (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	**4,238**	**259.1**	**16.60**	**4,273**	**259.8**	**16.40**	—	—	—	**251.3**	**15.96**
Connecticut	—	—	—	—	—	—	—	—	—	252.2	16.01
Maine	435	182.6	11.52	—	—	—	—	—	—	211.8	13.38
Massachusetts	1,586	367.3	23.37	4,273	259.8	16.40	—	—	—	262.0	16.61
New Hampshire	2,216	197.4	12.74	—	—	—	—	—	—	197.8	12.76
Rhode Island	—	—	—	—	—	—	—	—	—	253.5	16.11
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**3,116**	**236.2**	**15.02**	**2**	**266.6**	**16.71**	—	—	—	**256.2**	**16.14**
New Jersey	—	—	—	—	—	—	—	—	—	284.4	17.79
New York	3,116	236.2	15.02	2	266.6	16.71	—	—	—	250.1	15.75
Pennsylvania	—	—	—	—	—	—	—	—	—	253.4	16.04
East North Central	**46**	**242.6**	**15.48**	—	—	—	—	—	—	**17.00**	
Illinois	—	—	—	—	—	—	—	—	—	264.0	16.86
Indiana	—	—	—	—	—	—	—	—	—	—	—
Michigan	46	242.6	15.48	—	—	—	—	—	—	275.6	17.23
Ohio	—	—	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—	—	—
West North Central	**20**	**169.7**	**11.02**	**66**	**166.7**	**10.86**	—	—	—	**167.1**	**10.87**
Iowa	—	—	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—	—	157.9	10.08
Minnesota	—	—	—	—	—	—	—	—	—	—	—
Missouri	20	169.7	11.02	65	164.6	10.73	—	—	—	165.8	10.80
Nebraska	—	—	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	2	258.5	15.96	—	—	—	258.5	15.96
South Dakota	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**25,131**	**219.3**	**13.92**	**8,563**	**214.1**	**13.65**	—	—	—	**226.9**	**14.42**
Delaware	121	295.3	18.67	—	—	—	—	—	—	246.1	15.59
District of Columbia	—	—	—	—	—	—	—	—	—	319.9	19.30
Florida	18,452	222.6	14.14	8,563	214.1	13.65	—	—	—	225.2	14.32
Georgia	—	—	—	—	—	—	—	—	—	—	—
Maryland	4,223	218.2	13.84	—	—	—	—	—	—	236.6	15.04
North Carolina	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—
Virginia	2,335	190.7	12.13	—	—	—	—	—	—	197.5	12.52
West Virginia	—	—	—	—	—	—	—	—	—	—	—
East South Central	—	—	—	**1,349**	**157.4**	**10.12**	—	—	—	**158.1**	**10.16**
Alabama	—	—	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	1,349	157.4	10.12	—	—	—	158.1	10.16
Tennessee	—	—	—	—	—	—	—	—	—	—	—
West South Central	**50**	**188.8**	**12.07**	—	—	—	—	—	—	**13.37**	
Arkansas	—	—	—	—	—	—	—	—	—	261.6	16.30
Louisiana	50	188.8	12.07	—	—	—	—	—	—	193.2	12.31
Oklahoma	—	—	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—	213.2	13.53
Mountain	—	—	—	—	—	—	—	—	—	**322.4**	**20.15**
Arizona	—	—	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	322.4	20.15
New Mexico	—	—	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous	—	—	—	—	—	—	—	—	—	**215.9**	**13.25**
California	—	—	—	—	—	—	—	—	—	215.9	13.25
Oregon	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	**271.2**	**17.05**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	271.2	17.05
Total	**32,601**	**226.0**	**14.37**	**14,254**	**222.0**	**14.13**	—	—	—	**240.9**	**15.27**

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 11. Receipts of Gas by Census Division and State, 1990-1994

(Thousand Mcf)

Census Division and State	1994	1993	1992	1991	1990
New England	**48,618**	**29,640**	**42,087**	**45,852**	**58,576**
Connecticut	8,009	554	2,000	4,690	4,863
Maine	—	—	—	—	—
Massachusetts	38,595	28,283	37,913	38,248	47,779
New Hampshire	1,275	136	916	—	—
Rhode Island	572	400	458	1,821	5,933
Vermont	167	267	800	1,093	—
Middle Atlantic	**225,983**	**201,570**	**229,709**	**246,863**	**253,456**
New Jersey	36,154	26,861	32,305	51,744	34,822
New York	177,846	167,703	195,476	194,870	218,442
Pennsylvania	11,983	7,005	1,929	249	192
East North Central	**61,161**	**43,568**	**43,401**	**45,531**	**36,391**
Illinois	34,188	17,084	8,952	11,126	7,041
Indiana	7,309	4,764	7,467	9,026	6,294
Michigan	17,203	17,754	22,222	20,720	20,619
Ohio	842	1,425	2,458	2,966	941
Wisconsin	1,618	2,540	2,300	1,693	1,496
West North Central	**33,313**	**27,469**	**18,203**	**48,575**	**31,325**
Iowa	1,582	3,131	1,816	2,083	2,211
Kansas	22,203	16,426	10,437	28,979	21,221
Minnesota	3,504	2,393	3,008	3,354	2,398
Missouri	3,517	4,241	1,592	10,820	2,378
Nebraska	2,435	1,226	1,310	3,166	3,117
North Dakota	46	1	*	*	*
South Dakota	26	52	39	172	—
South Atlantic	**220,663**	**201,429**	**217,976**	**231,677**	**185,818**
Delaware	17,396	7,239	2,188	5,087	4,213
District of Columbia	—	—	—	—	—
Florida	171,834	164,475	191,121	191,825	157,513
Georgia	1,078	2,994	1,199	790	1,757
Maryland	8,684	4,801	8,584	13,234	15,195
North Carolina	548	2,373	2,917	2,932	—
South Carolina	2,584	485	1,315	9,518	5,877
Virginia	18,200	18,947	10,433	8,096	1,094
West Virginia	338	116	219	196	169
East South Central	**64,255**	**29,020**	**41,671**	**51,819**	**55,419**
Alabama	3,235	2,696	2,923	3,434	2,581
Kentucky	406	220	240	205	236
Mississippi	60,614	26,104	38,508	48,180	52,602
Tennessee	—	—	—	—	—
West South Central	**1,474,719**	**1,467,748**	**1,365,720**	**1,404,965**	**1,375,523**
Arkansas	22,782	19,766	27,137	27,672	31,951
Louisiana	257,290	234,879	237,653	223,528	236,550
Oklahoma	147,382	148,893	145,415	163,914	141,150
Texas	1,047,265	1,064,210	955,515	989,850	965,872
Mountain	**93,950**	**73,138**	**80,491**	**76,185**	**61,017**
Arizona	21,731	19,308	29,420	22,575	11,302
Colorado	2,154	2,045	1,521	2,680	2,451
Idaho	—	—	—	—	—
Montana	518	110	118	83	286
Nevada	31,440	20,516	22,804	19,916	22,516
New Mexico	30,540	26,595	21,661	26,895	24,389
Utah	7,436	4,478	4,884	3,960	1
Wyoming	131	87	83	76	70
Pacific Contiguous	**621,342**	**483,761**	**580,334**	**460,628**	**433,454**
California	595,291	467,486	565,619	449,661	433,454
Oregon	26,041	16,255	14,684	10,940	—
Washington	11	20	30	27	—
Pacific Noncontiguous	**19,900**	**17,180**	**18,086**	**18,722**	—
Alaska	19,900	17,180	18,086	18,722	—
Hawaii	—	—	—	—	—
Total	**2,863,904**	**2,574,523**	**2,637,678**	**2,630,818**	**2,490,979**

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1990-1994

Census Division and State	1994	1993	1992	1991	1990	1994	1993	1992	1991	1990
	(cents per million Btu)					(dollars per Mcf)				
New England	**219.2**	**264.0**	**256.9**	**215.6**	**240.3**	**2.26**	**2.73**	**2.65**	**2.24**	**2.52**
Connecticut	196.0	377.8	265.9	209.0	270.2	1.99	3.90	2.74	2.16	2.79
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	224.1	263.0	259.3	218.4	240.1	2.32	2.72	2.68	2.27	2.53
New Hampshire	209.7	217.2	205.9	—	—	2.13	2.21	2.10	—	—
Rhode Island	222.5	238.9	213.4	198.0	216.9	2.29	2.51	2.20	2.04	2.24
Vermont	231.5	201.6	202.4	174.0	—	2.31	2.01	2.00	1.72	—
Middle Atlantic	**221.6**	**259.9**	**237.4**	**217.2**	**235.4**	**2.29**	**2.68**	**2.45**	**2.24**	**2.43**
New Jersey	209.6	229.9	210.9	195.7	217.2	2.17	2.38	2.18	2.02	2.24
New York	223.6	264.8	241.2	222.8	238.2	2.30	2.73	2.48	2.30	2.46
Pennsylvania	229.1	257.6	297.2	295.3	294.9	2.36	2.65	3.06	3.05	3.04
East North Central	**219.8**	**251.4**	**221.2**	**218.1**	**252.9**	**1.86**	**1.90**	**1.56**	**1.59**	**1.43**
Illinois	200.0	244.4	220.1	210.4	267.0	2.04	2.48	2.24	2.14	2.73
Indiana	265.9	273.7	247.7	237.7	258.0	2.72	2.77	2.48	2.38	2.58
Michigan	240.2	241.7	195.4	195.9	210.6	.97	.92	.81	.76	.47
Ohio	374.5	285.6	223.8	217.9	254.6	3.85	2.94	2.31	2.19	2.57
Wisconsin	263.4	263.0	240.0	270.3	292.7	2.66	2.66	2.42	2.72	2.95
West North Central	**201.4**	**244.0**	**209.8**	**171.7**	**188.4**	**1.99**	**2.41**	**2.06**	**1.68**	**1.86**
Iowa	316.2	310.1	306.8	268.5	304.5	3.18	3.12	3.08	2.70	3.06
Kansas	192.1	232.0	199.9	170.7	175.8	1.89	2.26	1.94	1.65	1.74
Minnesota	213.1	245.0	183.7	170.2	192.1	2.14	2.47	1.85	1.71	1.93
Missouri	189.7	231.8	187.2	149.1	171.5	1.90	2.34	1.89	1.51	1.75
Nebraska	205.1	272.7	238.2	196.8	200.8	2.02	2.66	2.28	1.85	1.90
North Dakota	375.7	424.9	403.3	433.9	386.2	4.11	4.59	4.18	4.36	4.01
South Dakota	272.3	237.8	282.7	175.8	—	2.65	2.41	2.88	1.77	—
South Atlantic	**222.2**	**243.7**	**230.5**	**212.0**	**250.8**	**2.26**	**2.47**	**2.34**	**2.16**	**2.55**
Delaware	234.2	260.9	260.0	236.9	257.7	2.43	2.69	2.70	2.49	2.72
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	215.5	234.1	227.7	213.5	253.3	2.18	2.36	2.30	2.17	2.56
Georgia	320.8	323.6	282.2	276.3	296.8	3.29	3.31	2.89	2.83	3.04
Maryland	246.6	288.8	255.0	225.8	244.7	2.57	3.01	2.66	2.36	2.55
North Carolina	325.7	351.6	286.0	267.5	—	3.38	3.63	2.96	2.76	—
South Carolina	167.1	291.1	169.0	148.9	171.8	1.71	2.97	1.73	1.53	1.76
Virginia	256.6	278.6	237.2	182.2	258.2	2.66	2.89	2.48	1.90	2.69
West Virginia	400.1	435.5	352.5	363.3	513.3	4.00	4.35	3.53	3.63	5.13
East South Central	**192.6**	**243.8**	**183.2**	**159.6**	**178.8**	**2.01**	**2.49**	**1.88**	**1.64**	**1.85**
Alabama	234.3	260.4	222.9	187.1	215.6	2.37	2.65	2.28	1.91	2.22
Kentucky	287.2	301.1	271.5	259.7	297.5	2.93	3.07	2.77	2.65	3.04
Mississippi	189.8	241.6	179.7	157.3	176.4	1.98	2.47	1.85	1.61	1.83
Tennessee	—	—	—	—	—	—	—	—	—	—
West South Central	**218.5**	**247.3**	**221.3**	**199.7**	**210.6**	**2.25**	**2.55**	**2.28**	**2.06**	**2.18**
Arkansas	182.3	220.5	153.2	140.9	154.0	1.87	2.27	1.57	1.44	1.57
Louisiana	207.4	238.5	182.8	153.1	165.9	2.17	2.49	1.91	1.59	1.73
Oklahoma	266.7	310.7	308.2	286.5	300.8	2.76	3.23	3.20	2.98	3.14
Texas	215.2	240.7	219.5	197.4	210.2	2.20	2.47	2.25	2.03	2.18
Mountain	**202.6**	**241.6**	**201.8**	**181.5**	**202.0**	**2.08**	**2.48**	**2.07**	**1.86**	**2.08**
Arizona	217.7	280.7	221.3	200.5	236.9	2.23	2.88	2.28	2.06	2.45
Colorado	212.5	250.1	214.0	214.9	217.3	2.21	2.53	2.14	2.14	2.15
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	114.9	268.1	341.9	393.5	145.2	1.21	3.12	4.12	4.70	1.77
Nevada	192.4	237.7	186.7	173.4	195.6	1.99	2.45	1.91	1.78	2.02
New Mexico	194.5	219.3	195.4	170.1	190.8	1.99	2.23	1.99	1.73	1.97
Utah	231.6	217.6	174.5	161.5	503.5	2.42	2.31	1.87	1.72	5.04
Wyoming	561.4	329.7	320.1	333.6	314.9	5.80	3.44	3.33	3.51	3.26
Pacific Contiguous	**245.7**	**294.0**	**269.9**	**283.9**	**303.1**	**2.53**	**3.03**	**2.79**	**2.92**	**3.13**
California	248.4	296.3	271.8	286.9	303.1	2.56	3.05	2.81	2.95	3.13
Oregon	183.0	225.2	193.7	157.0	—	1.85	2.28	1.96	1.59	—
Washington	471.2	376.0	315.5	383.0	—	4.95	3.95	3.31	4.02	—
Pacific Noncontiguous	**112.9**	**125.4**	**117.6**	**115.6**	—	**1.13**	**1.25**	**1.18**	**1.16**	—
Alaska	112.9	125.4	117.6	115.6	—	1.13	1.25	1.18	1.16	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**223.0**	**256.0**	**232.8**	**215.3**	**232.1**	**2.28**	**2.62**	**2.38**	**2.20**	**2.38**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1994

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	**2,003**	**210.2**	**2.16**	**44,084**	**220.3**	**2.28**	**2,531**	**207.1**	**2.12**	**48,618**	**219.2**	**2.26**
Connecticut	109	719.2	7.41	7,394	186.0	1.89	506	227.7	2.35	8,009	196.0	1.99
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	1,642	178.5	1.83	35,147	227.5	2.36	1,805	198.4	2.03	38,595	224.1	2.32
New Hampshire	—	—	—	1,275	209.7	2.13	—	—	—	1,275	209.7	2.13
Rhode Island	252	195.8	2.01	267	245.9	2.53	53	230.7	2.36	572	222.5	2.29
Vermont	—	—	—	—	—	—	167	231.5	2.31	167	231.5	2.31
Middle Atlantic	**42,517**	**239.3**	**2.47**	**139,214**	**219.8**	**2.27**	**44,251**	**210.1**	**2.15**	**225,983**	**221.6**	**2.29**
New Jersey	—	—	—	34,606	207.0	2.14	1,549	266.6	2.77	36,154	209.6	2.17
New York	42,076	238.5	2.46	93,066	223.9	2.31	42,703	208.0	2.13	177,846	223.6	2.30
Pennsylvania	441	319.0	3.29	11,542	225.6	2.33	—	—	—	11,983	229.1	2.36
East North Central	**2,192**	**312.4**	**3.34**	**26,420**	**255.4**	**1.58**	**32,549**	**195.7**	**1.99**	**61,161**	**219.8**	**1.86**
Illinois	689	380.3	4.57	1,151	235.5	2.40	32,349	194.2	1.98	34,188	200.0	2.04
Indiana	24	400.0	4.08	7,285	265.4	2.72	—	—	—	7,309	265.9	2.72
Michigan	947	228.6	2.29	16,235	242.1	.89	20	211.0	2.11	17,203	240.2	.97
Ohio	237	381.4	3.95	425	336.2	3.46	180	456.5	4.66	842	374.5	3.85
Wisconsin	294	326.7	3.31	1,324	249.3	2.52	—	—	—	1,618	263.4	2.66
West North Central	**7,048**	**218.2**	**2.13**	**25,877**	**197.0**	**1.95**	**387**	**188.8**	**1.89**	**33,313**	**201.4**	**1.99**
Iowa	256	362.5	3.70	1,326	307.1	3.08	—	—	—	1,582	316.2	3.18
Kansas	5,361	214.5	2.08	16,469	185.0	1.82	373	187.6	1.88	22,203	192.1	1.89
Minnesota	42	528.2	5.37	3,462	209.3	2.10	—	—	—	3,504	213.1	2.14
Missouri	—	—	—	3,503	189.6	1.90	14	221.1	2.18	3,517	189.7	1.90
Nebraska	1,389	195.2	1.95	1,046	218.7	2.12	—	—	—	2,435	205.1	2.02
North Dakota	—	—	—	46	375.7	4.11	—	—	—	46	375.7	4.11
South Dakota	—	—	—	26	272.3	2.65	—	—	—	26	272.3	2.65
South Atlantic	**164,223**	**214.5**	**2.17**	**37,901**	**238.6**	**2.46**	**18,539**	**255.5**	**2.65**	**220,663**	**222.2**	**2.26**
Delaware	17,396	234.2	2.43	—	—	—	—	—	—	17,396	234.2	2.43
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	146,773	212.0	2.13	24,669	235.7	2.42	391	221.6	2.29	171,834	215.5	2.18
Georgia	—	—	—	1,078	320.8	3.29	—	—	—	1,078	320.8	3.29
Maryland	—	—	—	8,684	246.6	2.57	—	—	—	8,684	246.6	2.57
North Carolina	—	—	—	548	325.7	3.38	—	—	—	548	325.7	3.38
South Carolina	—	—	—	2,584	167.1	1.71	—	—	—	2,584	167.1	1.71
Virginia	—	—	—	53	361.4	3.68	18,148	256.3	2.66	18,200	256.6	2.66
West Virginia	54	424.8	4.25	284	395.4	3.95	—	—	—	338	400.1	4.00
East South Central	**4,455**	**240.1**	**2.54**	**58,402**	**189.1**	**1.97**	**1,398**	**184.4**	**1.91**	**64,255**	**192.6**	**2.01**
Alabama	—	—	—	3,235	234.3	2.37	—	—	—	3,235	234.3	2.37
Kentucky	—	—	—	62	320.2	3.20	344	281.4	2.88	406	287.2	2.93
Mississippi	4,455	240.1	2.54	55,105	186.4	1.94	1,054	153.1	1.59	60,614	189.8	1.98
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**968,496**	**231.1**	**2.38**	**269,848**	**193.4**	**1.98**	**236,376**	**195.5**	**2.02**	**1,474,719**	**218.5**	**2.25**
Arkansas	2,645	124.8	1.45	20,138	191.0	1.92	—	—	—	22,782	182.3	1.87
Louisiana	105,166	220.8	2.30	69,986	191.9	2.00	82,139	203.6	2.15	257,290	207.4	2.17
Oklahoma	131,717	276.7	2.87	15,665	181.0	1.84	—	—	—	147,382	266.7	2.76
Texas	728,968	224.7	2.30	164,060	195.6	2.00	154,237	191.1	1.95	1,047,265	215.2	2.20
Mountain	**27,102**	**210.5**	**2.15**	**55,890**	**196.6**	**2.03**	**10,957**	**213.8**	**2.20**	**93,950**	**202.6**	**2.08**
Arizona	15,407	218.3	2.23	5,991	218.8	2.23	333	174.2	1.79	21,731	217.7	2.23
Colorado	1,100	229.0	2.38	989	196.1	2.05	66	184.2	1.93	2,154	212.5	2.21
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	512	110.7	1.17	6	434.3	4.95	—	—	—	518	114.9	1.21
Nevada	—	—	—	20,881	180.9	1.88	10,559	215.3	2.21	31,440	192.4	1.99
New Mexico	10,083	201.7	2.05	20,457	191.1	1.96	—	—	—	30,540	194.5	1.99
Utah	—	—	—	7,436	231.6	2.42	—	—	—	7,436	231.6	2.42
Wyoming	—	—	—	131	561.4	5.80	—	—	—	131	561.4	5.80
Pacific Contiguous	**5,663**	**213.4**	**2.16**	**130,716**	**275.8**	**2.81**	**484,964**	**238.1**	**2.45**	**621,342**	**245.7**	**2.53**
California	—	—	—	110,327	294.3	3.00	484,964	238.1	2.45	595,291	248.4	2.56
Oregon	5,663	213.4	2.16	20,377	174.5	1.76	—	—	—	26,041	183.0	1.85
Washington	—	—	—	11	471.2	4.95	—	—	—	11	471.2	4.95
Pacific Noncontiguous	**19,900**	**112.9**	**1.13**	—	—	—	—	—	—	**19,900**	**112.9**	**1.13**
Alaska	19,900	112.9	1.13	—	—	—	—	—	—	19,900	112.9	1.13
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**1,243,599**	**226.9**	**2.33**	**788,353**	**217.0**	**2.20**	**831,952**	**222.7**	**2.29**	**2,863,904**	**223.0**	**2.28**

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, 1994

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	**48,618**	**1,033**	**219.2**	—	—	—	—	—	—	**48,618**	**1,033**	**219.2**
Connecticut	8,009	1,017	196.0	—	—	—	—	—	—	8,009	1,017	196.0
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	38,595	1,037	224.1	—	—	—	—	—	—	38,595	1,037	224.1
New Hampshire	1,275	1,015	209.7	—	—	—	—	—	—	1,275	1,015	209.7
Rhode Island	572	1,029	222.5	—	—	—	—	—	—	572	1,029	222.5
Vermont	167	996	231.5	—	—	—	—	—	—	167	996	231.5
Middle Atlantic	**225,983**	**1,031**	**221.6**	—	—	—	—	—	—	**225,983**	**1,031**	**221.6**
New Jersey	36,154	1,035	209.6	—	—	—	—	—	—	36,154	1,035	209.6
New York	177,846	1,031	223.6	—	—	—	—	—	—	177,846	1,031	223.6
Pennsylvania	11,983	1,031	229.1	—	—	—	—	—	—	11,983	1,031	229.1
East North Central	**49,592**	**1,021**	**222.2**	**11,540**	**101**	**119.4**	**29**	**1,000**	**0.0**	**61,161**	**847**	**219.8**
Illinois	34,159	1,022	200.2	—	—	—	29	1,000	.0	34,188	1,022	200.0
Indiana	7,309	1,023	265.9	—	—	—	—	—	—	7,309	1,023	265.9
Michigan	5,663	1,016	264.7	11,540	101	119.4	—	—	—	17,203	403	240.2
Ohio	842	1,029	374.5	—	—	—	—	—	—	842	1,029	374.5
Wisconsin	1,618	1,011	263.4	—	—	—	—	—	—	1,618	1,011	263.4
West North Central	**33,313**	**988**	**201.4**	—	—	—	—	—	—	**33,313**	**988**	**201.4**
Iowa	1,582	1,006	316.2	—	—	—	—	—	—	1,582	1,006	316.2
Kansas	22,203	983	192.1	—	—	—	—	—	—	22,203	983	192.1
Minnesota	3,504	1,005	213.1	—	—	—	—	—	—	3,504	1,005	213.1
Missouri	3,517	1,000	189.7	—	—	—	—	—	—	3,517	1,000	189.7
Nebraska	2,435	987	205.1	—	—	—	—	—	—	2,435	987	205.1
North Dakota	46	1,095	375.7	—	—	—	—	—	—	46	1,095	375.7
South Dakota	26	972	272.3	—	—	—	—	—	—	26	972	272.3
South Atlantic	**220,450**	**1,016**	**222.3**	—	—	—	**213**	**990**	**139.3**	**220,663**	**1,016**	**222.2**
Delaware	17,396	1,037	234.2	—	—	—	—	—	—	17,396	1,037	234.2
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	171,834	1,010	215.5	—	—	—	—	—	—	171,834	1,010	215.5
Georgia	1,078	1,025	320.8	—	—	—	—	—	—	1,078	1,025	320.8
Maryland	8,684	1,043	246.6	—	—	—	—	—	—	8,684	1,043	246.6
North Carolina	548	1,038	325.7	—	—	—	—	—	—	548	1,038	325.7
South Carolina	2,584	1,023	167.1	—	—	—	—	—	—	2,584	1,023	167.1
Virginia	17,988	1,038	257.9	—	—	—	213	990	139.3	18,200	1,037	256.6
West Virginia	338	1,000	400.1	—	—	—	—	—	—	338	1,000	400.1
East South Central	**64,255**	**1,041**	**192.6**	—	—	—	—	—	—	**64,255**	**1,041**	**192.6**
Alabama	3,235	1,011	234.3	—	—	—	—	—	—	3,235	1,011	234.3
Kentucky	406	1,021	287.2	—	—	—	—	—	—	406	1,021	287.2
Mississippi	60,614	1,043	189.8	—	—	—	—	—	—	60,614	1,043	189.8
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**1,474,719**	**1,028**	**218.5**	—	—	—	—	—	—	**1,474,719**	**1,028**	**218.5**
Arkansas	22,782	1,024	182.3	—	—	—	—	—	—	22,782	1,024	182.3
Louisiana	257,290	1,046	207.4	—	—	—	—	—	—	257,290	1,046	207.4
Oklahoma	147,382	1,034	266.7	—	—	—	—	—	—	147,382	1,034	266.7
Texas	1,047,265	1,023	215.2	—	—	—	—	—	—	1,047,265	1,023	215.2
Mountain	**93,950**	**1,028**	**202.6**	—	—	—	—	—	—	**93,950**	**1,028**	**202.6**
Arizona	21,731	1,023	217.7	—	—	—	—	—	—	21,731	1,023	217.7
Colorado	2,154	1,042	212.5	—	—	—	—	—	—	2,154	1,042	212.5
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	518	1,055	114.9	—	—	—	—	—	—	518	1,055	114.9
Nevada	31,440	1,033	192.4	—	—	—	—	—	—	31,440	1,033	192.4
New Mexico	30,540	1,022	194.5	—	—	—	—	—	—	30,540	1,022	194.5
Utah	7,436	1,044	231.6	—	—	—	—	—	—	7,436	1,044	231.6
Wyoming	131	1,033	561.4	—	—	—	—	—	—	131	1,033	561.4
Pacific Contiguous	**621,342**	**1,028**	**245.7**	—	—	—	—	—	—	**621,342**	**1,028**	**245.7**
California	595,291	1,029	248.4	—	—	—	—	—	—	595,291	1,029	248.4
Oregon	26,041	1,011	183.0	—	—	—	—	—	—	26,041	1,011	183.0
Washington	11	1,050	471.2	—	—	—	—	—	—	11	1,050	471.2
Pacific Noncontiguous	**19,900**	**999**	**112.9**	—	—	—	—	—	—	**19,900**	**999**	**112.9**
Alaska	19,900	999	112.9	—	—	—	—	—	—	19,900	999	112.9
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**2,852,122**	**1,027**	**223.0**	**11,540**	**101**	**119.4**	**242**	**991**	**122.5**	**2,863,904**	**1,023**	**223.0**

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, 1994

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	**364,728**	**161,075**	**153,445**	**50,208**	**44.2**	**42.1**	**13.8**	**166.0**	**252.0**	**219.2**
Connecticut	68,934	22,600	38,187	8,147	32.8	55.4	11.8	177.4	253.1	196.0
Maine	6,081	—	6,081	—	—	100.0	—	—	213.8	—
Massachusetts	239,184	105,758	93,415	40,011	44.2	39.1	16.7	167.8	262.4	224.1
New Hampshire	48,962	32,717	14,950	1,295	66.8	30.5	2.6	152.2	199.5	209.7
Rhode Island	1,355	—	766	589	—	56.6	43.4	—	253.5	222.5
Vermont	212	—	46	166	—	21.5	78.5	—	453.5	231.5
Middle Atlantic	**1,682,518**	**1,230,517**	**218,958**	**233,042**	**73.1**	**13.0**	**13.9**	**145.2**	**262.3**	**221.6**
New Jersey	127,820	56,440	33,967	37,413	44.2	26.6	29.3	181.7	290.2	209.6
New York	521,063	213,657	124,133	183,274	41.0	23.8	35.2	145.2	251.7	223.6
Pennsylvania	1,033,635	960,421	60,858	12,356	92.9	5.9	1.2	143.1	268.3	229.1
East North Central	**4,133,709**	**4,049,910**	**31,967**	**51,832**	**98.0**	**.8**	**1.3**	**141.0**	**307.5**	**219.8**
Illinois	722,022	670,628	16,467	34,928	92.9	2.3	4.8	160.6	283.0	200.0
Indiana	1,137,561	1,128,040	2,044	7,478	99.2	.2	.7	127.2	389.9	265.9
Michigan	703,582	686,886	9,771	6,925	97.6	1.4	1.0	150.6	295.6	240.2
Ohio	1,192,617	1,188,616	3,135	867	99.7	.3	.1	143.9	403.8	374.5
Wisconsin	377,926	375,739	552	1,636	99.4	.1	.4	120.9	397.9	263.4
West North Central	**1,974,025**	**1,937,879**	**3,224**	**32,923**	**98.2**	**.2**	**1.7**	**98.8**	**355.5**	**201.4**
Iowa	300,928	298,710	627	1,591	99.3	.2	.5	99.0	392.3	316.2
Kansas	329,843	307,456	572	21,815	93.2	.2	6.6	102.5	396.8	192.1
Minnesota	317,280	313,486	271	3,523	98.8	.1	1.1	113.9	419.8	213.1
Missouri	534,364	529,652	1,197	3,516	99.1	.2	.7	110.1	278.4	189.7
Nebraska	154,956	152,458	96	2,402	98.4	.1	1.6	76.5	401.8	205.1
North Dakota	308,597	308,087	461	50	99.8	.1	*	70.4	407.2	375.7
South Dakota	28,057	28,031	—	26	99.9	—	.1	108.3	—	272.3
South Atlantic1	**4,072,068**	**3,421,440**	**426,438**	**224,189**	**84.0**	**10.5**	**5.5**	**159.9**	**232.7**	**222.2**
Delaware	95,748	59,161	18,555	18,032	61.8	19.4	18.8	162.0	259.3	234.2
District of Columbia	3,929	—	3,929	—	—	100.0	—	—	326.4	—
Florida:ehp2..	1,114,949	613,346	328,041	173,562	55.0	29.4	15.6	177.8	226.2	215.5
Georgia	679,688	677,289	1,294	1,105	99.6	.2	.2	169.1	396.3	320.8
Maryland	305,201	246,823	49,317	9,062	80.9	16.2	3.0	155.3	244.5	246.6
North Carolina	531,805	529,663	1,573	569	99.6	.3	.1	168.2	383.8	325.7
South Carolina	289,031	285,763	624	2,644	98.9	.2	.9	156.0	409.7	167.1
Virginia	276,627	236,908	20,842	18,877	85.6	7.5	6.8	145.0	216.2	256.6
West Virginia	775,089	772,487	2,263	338	99.7	.3	*	139.2	442.4	400.1
East South Central	**2,205,230**	**2,123,363**	**14,962**	**66,905**	**96.3**	**.7**	**3.0**	**136.2**	**230.0**	**192.6**
Alabama	660,783	656,617	897	3,270	99.4	.1	.5	167.2	402.0	234.3
Kentucky	850,416	848,188	1,814	415	99.7	.2	*	116.2	433.3	287.2
Mississippi	171,596	97,260	11,117	63,220	56.7	6.5	36.8	157.1	164.1	189.8
Tennessee	522,434	521,298	1,135	—	99.8	.2	—	125.6	414.9	—
West South Central	**3,549,524**	**2,029,881**	**3,040**	**1,516,603**	**57.2**	**.1**	**42.7**	**134.8**	**300.6**	**218.5**
Arkansas	230,472	206,300	839	23,333	89.5	.4	10.1	160.3	358.9	182.3
Louisiana	488,661	218,176	1,290	269,195	44.6	.3	55.1	153.9	269.3	207.4
Oklahoma	447,138	294,758	60	152,320	65.9	*	34.1	102.0	370.3	266.7
Texas	2,383,253	1,310,647	850	1,071,756	55.0	*	45.0	135.0	285.5	215.2
Mountain	**2,202,673**	**2,103,253**	**2,809**	**96,611**	**95.5**	**.1**	**4.4**	**111.9**	**389.1**	**202.6**
Arizona	401,516	378,880	414	22,222	94.4	.1	5.5	137.4	428.1	217.7
Colorado	325,369	323,092	31	2,246	99.3	*	.7	105.6	458.1	212.5
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	175,925	175,272	107	547	99.6	.1	.3	69.3	462.9	114.9
Nevada	206,101	172,228	1,382	32,491	83.6	.7	15.8	143.3	328.7	192.4
New Mexico	308,450	276,983	257	31,210	89.8	.1	10.1	140.9	464.9	194.5
Utah	335,486	327,566	160	7,760	97.6	*	2.3	113.6	467.4	231.6
Wyoming	449,825	449,231	459	135	99.9	.1	*	80.3	444.5	561.4
Pacific Contiguous	**784,575**	**143,414**	**2,373**	**638,788**	**18.3**	**.3**	**81.4**	**128.4**	**227.3**	**245.7**
California	614,720	—	2,270	612,450	—	.4	99.6	—	216.3	248.4
Oregon	66,079	39,735	18	26,327	60.1	*	39.8	107.3	465.4	183.0
Washington	103,775	103,679	85	11	99.9	.1	*	136.5	472.0	471.2
Pacific Noncontiguous	**64,498**	—	**44,615**	**19,883**	—	**69.2**	**30.8**	—	**271.2**	**112.9**
Alaska	19,883	—	—	19,883	—	—	100.0	—	—	112.9
Hawaii	44,615	—	44,615	—	—	100.0	—	—	271.2	—
Total	**21,033,547**	**17,200,731**	**901,831**	**2,930,984**	**81.8**	**4.3**	**13.9**	**135.5**	**248.8**	**223.0**

1 The cost of coal shown for the State of Florida and the South Atlantic Census Division is not the total cost of coal delivered to the State and the Census Division. For more detailed information see footnotes 4 and 5 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

This chapter contains information on the origin and destination of coal to steam-electric plants. Table 16 presents data on the volume, quality, and delivered cost of coal from each coal-producing State. Table 17 contains company level data on each electric utility that receives lignite, while Table 18 provides data on coal imported by electric utilities for the years 1990 through 1994. Tables 19, 20, and 21 provide data on coal receipts to electric utilities from the three main coal-producing regions in the United States. It should be noted that because of its unique characteristics when compared with other coals, lignite receipts have been omitted from Tables 20 and 21.

Table 22 provides a list of States that received coal for use at electric plants during 1994. The volume, quality, and delivered cost of coal to each State are shown in bold print. Beneath each bolded line of print are the States of origin of that coal. For example, electric plants located in Alabama received 27,160 thousand short tons of coal in 1994. Of this total, 15,730 thousand short tons of coal were received from mines located in Alabama; 147 thousand short tons, from Colorado; 1,137 thousand short tons, from Illinois; 6,125 thousand short tons, from Kentucky; 84 thousand short tons, from Ohio, and so on.

Table 23 provides a list of States of origin from which coal was delivered to electric utilities. Origin State data are shown in bold print. Beneath each bolded line of print are the States of destination for that coal. For example, coal originating in Alabama totaled 15,731 thousand short tons and was delivered to electric plants located in Alabama, and Florida.

In Table 24, the origin of coal delivered to each electric plant is shown at the State and county of origin level. This table format is similar to that of Table 22. For example, the Alabama Power Company, Gaston plant, received 3,941 thousand short tons of coal in 1994. Of this total, 2,149 thousand short tons were received from Alabama. The coal was mined in four counties in Alabama: Fayette county totaled 1,267 thousand short tons; Jefferson county, 385 thousand short tons; Tuscaloosa, 119 thousand short tons; tons; while Walker county mines shipped 377 thousand short tons. In addition, 416 thousand short tons of coal were received from Kentucky, 137 thousand from Virginia, and 1,239 thousand from West Virginia,

It should be noted that it is not uncommon for an electric utility to report a tipple (an apparatus at a central facility used in loading coal for transportation by rail or truck) as the source of the coal and to list the county in which the tipple is located as the county in which the coal was mined. In some cases, the coal delivered to the tipple comes from surrounding counties. Reporting the location of the tipple will then result in incorrect county of origin data. In addition, blending of coal at preparation plants often makes it difficult for the supplier and/or the electric utility to determine the origin of the coal received. The result is that published county-level data may be susceptible to error. If an electric utility reports that it cannot determine the county of origin for the delivered coal, the county of origin is designated as "Unknown."

Domestic Coal

In 1994, electric utilities received 827 million short tons of coal from 23 coal-producing States. This compares with 765 million short tons from 24 coal-producing States in 1993. Iowa was the only coal producing State not repeating coal deliveries to electric utilities in 1994. Imports accounted for an additional 5 million short tons in both 1994 and 1993. Two factors affecting the origin and destination of coal in 1994 were the rebuilding of stocks of coal at electric utilities and preparation for Phase I of the Clean Air Act Amendments of 1990 (CAAA90).

Wyoming, Kentucky, and West Virginia were ranked highest, respectively, in terms of origin of coal delivered to electric utilities. These three States accounted for 54 percent (445 million short tons) of all coal delivered to electric utilities (Table 16).

Receipts of coal from Wyoming totaled 226 million short tons, up from 202 million short tons in 1993. Texas ranked highest in receipts of Wyoming coal, 38 million short tons delivered at an average cost of $27.29 per short ton (Table 23). Intrastate deliveries to Wyoming power plants totaled 26 million short tons at $14.09 per short ton. The largest increase in receipts of Wyoming coal (6 million short tons) occurred in Missouri, as power plants made up for shipments not delivered in 1993--due to the summer floods--and prepared for Phase I of the CAAA90.

Receipts to Georgia from Wyoming were 5 million short tons, up 4 million short tons from 1993. The Georgia Power Company switched some units at the Sherer plant to low-sulfur Wyoming coal. Receipts of Wyoming coal to Indiana and Illinois rose by 3 and 2 million short tons, respectively, over 1993 levels.

Receipts of coal from Kentucky totaled nearly 127 million short tons, up 7 million short tons from 1993. Receipts in 1993 were negatively affected by a UMWA coal strike that occurred from May through

December 1993. Georgia, Missouri, New York, and Ohio accounted for most of the increase in receipts from Kentucky. Eastern Kentucky is the source for primarily low-sulfur Appalachian Region coal (averages about 1.0 percent sulfur by weight), while western Kentucky coal is primarily high-sulfur Interior Region coal with an average sulfur content of approximately 3.0 percent by weight. Coal from Kentucky is delivered to nearly every State east of the Mississippi River.

Receipts of coal from West Virginia totaled 93 million short tons, up from 75 million short tons in 1993 (Table 23). Receipts in 1993 were negatively affected by a UMWA coal strike. Coal delivered to in-State power plants totaled 27 million short tons, up 8 million short tons from 1993. Ohio and Pennsylvania ranked second and third, respectively, in receipts of coal from West Virginia.

Coal produced in Texas and delivered to power plants totaled 49 million short tons, down 2 million short tons from 1993. All coal produced in Texas is low-Btu, high-ash lignite delivered to mine-mouth electric plants located within the State of Texas.

Receipts of coal from Illinois totaled 48 million short tons, up 8 million short tons from 1993. Receipts of coal from Illinois were unusually low, due to a UMWA labor strike and to severe flooding during the summer of 1993 that slowed the production and deliveries of Illinois coal. Over the last couple of years, electric utilities have been reducing their use of coal from Illinois primarily due to its high sulfur content. It is being replaced by low-sulfur coal from various States including Wyoming, Montana, and Colorado.

Domestic coal is obtained from three major coal-producing regions in the United States -- the Appalachian, Interior, and Western Regions (Tables 19, 20, and 21).

Appalachian Region Coal is mined in Pennsylvania, Maryland, Virginia, West Virginia, eastern Kentucky, Tennessee, Alabama, and Ohio. With the exception of coal from Ohio, this coal is of low-to-medium sulfur content with a heat content that averages more than 12,000 Btu per pound. Appalachian coal is transported primarily to electric plants throughout the eastern United States.

Interior Region Coal is mined primarily in Illinois, Indiana, western Kentucky, and Missouri. This region produces bituminous coal containing a high percentage of sulfur, with approximately 11,000 Btu per pound. Most Interior Region coal is delivered to electric plants in the central and southeastern United States.

Western Region Coal is mined in Montana, Wyoming, Colorado, Utah, North Dakota, Arizona, and New Mexico. It is generally delivered to electric plants throughout the western, central, and southern United States. Most of the coal in this region is subbituminous coal that is low in sulfur content (less than 0.5 percent) and contains approximately 9,000 Btu per pound. The Powder River Basin (located in northeast Wyoming, southeast Montana) was the origin for approximately 248 million short tons of the coal delivered to electric utilities in 1994. Coal from this basin is delivered by unit train to electric plants as far away as Florida and Georgia.

Appalachian Region Coal Deliveries. Electric utilities received 292 million short tons of Appalachian Region coal (Table 19) in 1994, up from 273 million short tons in 1993. This increase in receipts of coal was primarily due to the rebuilding of stocks at electric utilities. Low stocks were, in-part, the result of a UMWA labor strike between May and December 1993 that slowed production and deliveries of some Appalachian coal. Receipts of coal from West Virginia and (eastern) Kentucky rose by 17 million and 6 million short tons, respectively. Receipts of coal from Alabama, Pennsylvania, and Ohio each fell by 1 million short tons from 1993 levels.

The average sulfur content of coal from the Appalachian Region was 1.55 percent, down slightly from 1.57 percent in 1993. The average delivered cost of coal was $37.94 per short, compared with $38.41 per short ton in 1993. The Georgia Power Company, Alabama Power Company, Pennsylvania Electric Company, and the Tennessee Valley Authority received the largest amounts of Appalachian Region coal in 1994.

Figure 1. Receipts of Coal by Coal Producing Region, 1990 - 1994

Interior Region Coal Deliveries. In 1994, coal deliveries to electric utilities from the Interior Region totaled 109 million short tons (Table 20), up from 98 million short tons in 1993. This increase in receipts of predominantly high-sulfur coal was due to the fact that receipts of Interior Region coal were severely depressed in 1993, primarily due to the UMWA strike and to severe flooding in the Mississippi River Basin that disrupted deliveries. In general, future receipts of coal from the Interior Region are expected to decline due to their high-sulfur content and the emission restrictions placed on power plants by the CAAA90. Receipts of coal from Illinois and Indiana rose by 8 million and 2 million short tons, respectively. Receipts from western Kentucky were up by nearly 1 million short tons from 1993. Receipts of coal from Missouri totaled only 381 thousand short tons, slightly above 1993 levels, but down substantially from prior years. Missouri coal has been nearly phased out in favor of low-sulfur western coal.

The sulfur content of coal from the Interior Region was 2.68 percent, down from 2.72 percent in 1993. The average delivered cost decreased $0.65 to $29.95 per short ton. The Tennessee Valley Authority (TVA) and PSI Energy Inc. received the largest amounts of Interior Region coal at 23 million and 14 million short tons, respectively.

Western Region Coal Deliveries. Receipts of coal from the Western Region were 347 million short tons (Table 21), an increase of 34 million short tons from 1993. Receipts were higher due to electric utilities replacing high-sulfur Appalachian and Interior Region coal with low-sulfur western coal in advance of the January 1995 deadline for compliance with the CAAA90. In addition, severe flooding along the upper Mississippi and Missouri River Basins during June through August 1993 disrupted delivery schedules throughout the latter half of 1993. The result was that some western coal scheduled for delivery during this time were rescheduled for delivery in 1994.

Receipts of coal from Wyoming and Montana rose by 24 million and 5 million short tons, respectively. Receipts of coal from Colorado increased 3 million short tons, while Utah coal gained 2 million short tons. The average delivered cost of Western Region coal was $22.51 per short ton, a decrease of $0.72 per short ton from 1993. On a national basis, the delivered cost of Western Region coal was considerably lower than the delivered cost of Appalachian or Interior Region coal due to the relatively low cost of mining western coal. Based on 1993 data, the average mine price of Western Region coal was $21.05 per short ton for bituminous coal and $9.33 per short ton for subbituminous coal. This compares with an average mine price for bituminous coal from the Appalachian and Interior Regions of $27.59 and $23.67 per short ton, respectively.[36] The average mine cost for subbituminous coal from the large surface mines of the PRB was considerably lower. The 1994 end-of-year cost of 8,500 Btu per pound PRB coal was slightly above $4.00 per short ton Free on Board (FOB) mine, while the average cost of 8,800 Btu per pound PRB coal was above $5.00 per short ton FOB mine.[37] (Though coal shown in dollars per short ton provides a familiar measure for comparing the cost of coal based on weight, it is not a good measure for comparing coals with vastly different Btu values. To an electric utility, the important measure is the cost per Btu-- often shown as cents per million Btu. While other characteristics (such as sulfur, volatility, moisture, grindability, etc.), must be considered when purchasing coal, it is the Btu content that provides the energy that is eventually converted to to electricity. Typically, the lower the Btu content of the coal, the less its value per short ton.)

Electric utilities receiving the largest amount of Western Region coal were PacifiCorp (32 million short tons), and Northern States Power and the Detroit Edison Company, each at 13 million short tons.

Considerable attention was focused on several electric utilities in the southern United States that began receiving or substantially increasing their receipts of Western Region coal. The Alabama Power Company received its first shipments of western coal, 238 thousand short tons at an average delivered cost of $20.14 per short ton (Table 21). The Georgia Power Company reported receipts of nearly 5 million short tons of Wyoming coal. The coal was delivered to the Sherer plant at $26.10 per short ton (Table 24). The Mississippi Power Company's Daniel plant received 2 million short tons of Montana and Colorado coal at $29.30 per short ton. The Montana coal (9,402 Btu per pound) was received at $25.96 per short ton, while the higher-Btu Colorado coal had an average delivered cost of $35.31 per short ton. The Tampa Electric Company received 540 thousand short tons of Wyoming and Colorado coal at $37.23 per short ton. The coal was delivered to the Davant Transfer Facility in Louisiana for eventual transfer to Tampa Electric's Big Bend plant located in Florida. High-Btu coal from Colorado accounted for most of the receipts and the relatively high cost. The TVA, ranked highest among electric utilities in total receipts of coal, continues to increase its use of western coal. The TVA received 2 million short tons of coal from Colorado and Utah at an average delivered cost of $28.93 per short ton (Table 21). This low-sulfur coal is intended to help the TVA reduce sulfur dioxide emissions from several coal-fired plants affected by Phase I of the CAAA90.[38]

The Detroit Edison Company, Wisconsin Electric Power Company, and Wisconsin Power & Light, each, tested Colorado and Utah coals during 1994. They were among several electric utilities that were offered a unique backhaul arrangement from the Southern

[36] Energy Information Administration, *Coal Industry Annual (CIA)*, DOE/EIA-0584(93), Table 85.

[37] King Publishing Corp., *King's Western Coal* Issue 1001, December 27, 1994, p. 8.

[38] Energy Information Administration, *Electric Utility Phase I Acid Rain Compliance Strategies for the Clean Air Act Amendments of 1990*, DOE/EIA-0582, Table A1, March 1994.

Pacific railroad.[39] Southern Pacific (SP) offered electric utilities in the Midwest up to 3 million short tons per year of rail capacity between Colorado/Utah and the Midwest. The SP, which has a commitment to haul iron ore from Minnesota to Utah, offered to carry coal to electric utilities throughout the Midwest on its backhaul to Minnesota.

Lignite. In 1994, electric utilities received 79 million short tons of lignite, down 2 million short tons from 1993. Receipts were lower primarily due to a reduction in deliveries to the Texas Utilities Electric Company's Monticello plant. The 750-megawatt unit No. 3 at Monticello was out of service for the entire year due to the collaspe of an emissions stack at the plant.[40] The average delivered cost for lignite was $12.32 per short ton, a decrease from the $13.25 reported in 1993. Lignite is consumed at 18 power plants located in Texas, North Dakota, South Dakota, Louisiana, and Montana.

Most (95 percent) of the lignite originated in Texas and North Dakota. Louisiana accounted for just over 3 million short tons, while receipts from Montana totaled 242 thousand short tons. Because lignite tends to disintegrate when exposed to weather, most lignite-burning plants are located close to the mine. Compared with other ranks of coal, lignite has a low-Btu, high-moisture content and transporting it long distances is generally uneconomical.

The Texas Utilities (TU) Electric Company received the largest amount of lignite in 1994, 29 million short tons (Table 17). Lignite is burned at the company's four coal-fired plants (Big Brown, Sandow Unit 4, Martin Lake, and Monticello). Among other electric utilities receiving large amounts of lignite were the Basin Electric Power Cooperative (North Dakota), 8 million short tons of lignite delivered to the Antelope Valley and Leland Olds plants. Houston Lighting & Power Company, 9 million short tons of lignite delivered to Limestone; and Cooperative Power Association (North Dakota), 7 million short tons delivered to the Coal Creek plant.

Imported Coal. Imports of coal to electric utilities totaled 5 million short tons, an increase of 7 percent from 1993. Though imported coal was received by 16 electric utilities located primarily along the East and Gulf coasts, it accounted for less than 1 percent of total coal receipts. Several of these electric utilities received imported coal in order to conduct test-burns to qualify the coal for possible use in the future.

Coal received from Colombia totaled 3.0 million short tons, while imports from Venezuela totaled 1.4 million short tons. Imports from Indonesia and South Africa totaled 437 thousand and 127 thousand shorts tons, respectively. Imports from Canada were 63 thousand short tons.

A total of 2.0 million short tons of imports were delivered from Colombia to the St. Johns River plant operated by the Jacksonville Electric Authority. Most of the coal is delivered under a long-term contract. The Gulf Power Company (Florida) received a total of 653 thousand short tons from Colombia and Venezuela while the New England Power Company (Massachusetts) received 1,052 thousand short tons, also from Venezuela and Colombia (Table 18). Coal from Indonesia, often termed 'Envirocoal' due to its very low sulfur-and-ash content, was received by Cajun Electric Power, Holyoke Water Power Company (Massachusett), Public Service Company of New Hampshire, and the Tampa Electric Company.

[39] Fieldston Publications, Inc., *Coal Transportation Report,* Vol. 13, No. 4, February 21, 1994.
[40] McGraw-Hill, Inc., *Coal Week,* Vol. 21, No.8, February 20, 1995.

Table 16. Origin of Coal by State, 1994

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	15,731	12,219	1.13	0.93	11.84	190.7	46.59
Arizona	11,995	11,183	.52	.47	9.52	109.4	24.46
Colorado	21,179	10,963	.46	.42	8.70	135.2	29.65
Illinois	48,308	11,223	2.50	2.24	9.31	143.4	32.18
Indiana	24,830	11,170	2.41	2.16	9.21	122.6	27.38
Kansas	355	11,981	3.45	2.89	12.62	128.6	30.82
Kentucky	126,555	12,225	1.63	1.37	9.93	147.5	36.07
Louisiana	3,467	6,890	.84	1.22	12.83	135.7	18.70
Maryland	2,977	12,786	1.62	1.27	12.04	145.0	37.09
Missouri	381	11,204	4.12	3.68	15.84	110.1	24.68
Montana	38,869	9,033	.52	.59	6.69	129.1	23.33
New Mexico	27,775	9,520	.67	.72	18.56	151.3	28.81
North Dakota	25,683	6,544	.77	1.17	9.34	73.5	9.63
Ohio	27,050	11,904	3.50	2.94	10.58	145.5	34.65
Oklahoma	112	13,279	3.66	2.76	6.07	100.8	26.78
Pennsylvania	44,354	12,536	1.83	1.46	11.48	137.7	34.53
Tennessee	1,597	12,714	1.27	.99	9.46	140.3	35.67
Texas	49,364	6,303	1.04	1.69	16.22	105.2	13.26
Utah	16,645	11,618	.47	.40	9.93	112.8	26.21
Virginia	16,414	12,801	1.04	.82	10.15	160.4	41.06
Washington	4,637	7,890	.74	.94	15.53	141.0	22.25
West Virginia	92,647	12,507	1.49	1.19	10.68	150.5	37.64
Wyoming	226,038	8,634	.36	.41	5.42	119.0	20.55
Subtotal	**826,964**	**10,328**	**1.17**	**1.10**	**9.38**	**135.4**	**27.97**
Imported:ehp2.	4,965	12,013	.65	.53	6.49	153.5	36.87
Total	**831,929**	**10,338**	**1.17**	**1.09**	**9.36**	**135.5**	**28.03**

[1] Imported includes coal from Indonesia, Canada, Colombia, Venezuela, and South Africa.

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, 1994

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	8,226	6,664	0.59	0.89	8.90	68.9	9.18
Central Louisiana Elec Co Inc	3,467	6,890	.84	1.22	12.83	135.7	18.70
Coop Power Assn	7,296	6,291	.70	1.11	10.97	77.2	9.71
Houston Lighting & Power Co	8,628	6,512	1.10	1.68	17.24	89.5	11.66
Minnkota Power Coop Inc	4,283	6,727	.96	1.42	8.63	54.2	7.29
Montana-Dakota Utilities Co	2,777	6,908	1.08	1.56	8.03	85.6	11.82
Otter Tail Power Co	2,317	6,049	.91	1.51	8.81	108.3	13.10
San Miguel Electric Coop Inc	2,874	5,245	1.90	3.63	26.89	104.9	11.00
Southwestern Electric Power Co	3,390	6,613	1.25	1.89	12.65	126.6	16.74
Texas Municipal Power Agency	3,631	4,817	1.59	3.31	20.73	144.9	13.96
Texas-New Mexico Power Co	1,907	6,866	.96	1.40	15.33	157.5	21.63
Texas Utilities Electric Co	28,935	6,459	.85	1.30	14.77	100.0	12.92
United Power Assn	1,025	6,763	.64	.95	8.55	69.2	9.37
Total	**78,756**	**6,409**	**.94**	**1.50**	**13.80**	**96.1**	**12.32**

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, 1990-1994

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)
1994	**4,965**	**12,013**	**0.65**	**0.53**	**6.5**	**153.5**	**36.87**
Baltimore Gas & Electric Co	**88**	**12,379**	**.66**	**.53**	**7.4**	**147.3**	**36.46**
Colombia	**88**	**12,379**	**.66**	**.53**	**7.4**	**147.3**	**36.46**
Cajun Electric Power Coop Inc	**169**	**9,702**	**.10**	**.11**	**1.20**	**166.8**	**32.36**
Indonesia	169	9,702	.10	.11	1.20	166.8	32.36
Carolina Power & Light Co	**27**	**12,200**	**.70**	**.57**	**9.0**	**145.5**	**35.50**
Colombia	**27**	**12,200**	**.70**	**.57**	**9.0**	**145.5**	**35.50**
Central Power & Light Co	**153**	**11,929**	**.55**	**.46**	**5.0**	**148.9**	**35.51**
Colombia	153	11,929	.55	.46	5.03	148.9	35.51
Delmarva Power & Light Co	**22**	**12,370**	**.58**	**.47**	**6.0**	**168.2**	**41.61**
Colombia	22	12,370	.58	.47	5.98	168.2	41.61
Detroit Edison Co	**57**	**11,005**	**.23**	**.21**	**10.3**	**149.9**	**32.99**
Canada	57	11,005	.23	.21	10.28	149.9	32.99
Florida Power Corp	**84**	**12,778**	**.64**	**.50**	**6.5**	**156.3**	**39.93**
Venezuela	84	12,778	.64	.50	6.50	156.3	39.93
Gulf Power Co1	**781**	**12,118**	**.79**	**.65**	**6.51**	**193.5**	**46.91**
South Africa	127	11,318	.65	.57	12.60	181.1	41.00
Colombia	316	12,293	.61	.50	4.27	171.2	42.10
Venezuela	337	12,255	1.01	.83	6.32	218.9	53.64
Holyoke Water Power Co	**8**	**12,651**	**.43**	**.34**	**3.30**	**195.4**	**49.44**
Indonesia	8	12,651	.43	.34	3.30	195.4	49.44
Jacksonville Electric Auth	**2,032**	**11,883**	**.69**	**.58**	**7.40**	**135.6**	**32.22**
Colombia	2,032	11,883	.69	.58	7.40	135.6	32.22
New England Power Co	**1,052**	**12,691**	**.66**	**.52**	**6.59**	**158.4**	**40.20**
Colombia	135	12,060	.60	.50	5.90	164.6	39.70
Venezuela	917	12,784	.67	.52	6.70	157.5	40.27
Public Service Co of NH	**276**	**12,446**	**.58**	**.47**	**4.74**	**144.9**	**36.07**
Colombia	163	12,505	.62	.49	5.55	135.5	33.89
Indonesia	113	12,360	.53	.43	3.58	158.7	39.23
Public Service Electric&Gas Co	**23**	**12,870**	**.68**	**.53**	**6.90**	**166.9**	**42.96**
Colombia	23	12,870	.68	.53	6.90	166.9	42.96
Savannah Electric & Power Co	**39**	**12,163**	**.99**	**.81**	**7.77**	**182.7**	**44.44**
Colombia	12	11,235	.69	.61	5.87	214.1	48.12
Venezuela	27	12,575	1.12	.89	8.61	170.2	42.81
Tacoma Public Utilities	**6**	**9,806**	**.48**	**.49**	**12.80**	**178.0**	**34.91**
Canada	6	9,806	.48	.49	12.80	178.0	34.91
Tampa Electric Co	**147**	**9,871**	**.09**	**.09**	**1.10**	**143.0**	**28.24**
Indonesia	147	9,871	.09	.09	1.10	143.0	28.24
1993	**4,628**	**12,019**	**.65**	**.54**	**6.78**	**153.2**	**36.82**
Baltimore Gas & Electric Co	**224**	**12,354**	**.64**	**.52**	**6.32**	**149.8**	**37.02**
Colombia	224	12,354	.64	.52	6.32	149.8	37.02
Central Power & Light Co	**122**	**12,109**	**.60**	**.49**	**5.90**	**148.5**	**35.98**
Colombia	122	12,109	.60	.49	5.90	148.5	35.98
Gulf Power Co1	**737**	**12,285**	**.60**	**.49**	**5.86**	**181.4**	**44.56**
Colombia	486	11,920	.60	.50	5.74	186.5	44.47
Venezuela	251	12,990	.59	.45	6.11	172.1	44.72
Jacksonville Electric Auth	**2,291**	**11,849**	**.68**	**.57**	**7.21**	**136.9**	**32.44**
Colombia	2,291	11,849	.68	.57	7.21	136.9	32.44
Mississippi Power Co	**68**	**9,745**	**.08**	**.08**	**1.23**	**168.9**	**32.92**
Indonesia	68	9,745	.08	.08	1.23	168.9	32.92
New England Power Co	**663**	**12,778**	**.64**	**.50**	**6.73**	**166.8**	**42.62**
Colombia	187	12,144	.64	.53	5.42	178.5	43.35
Venezuela	476	13,027	.64	.49	7.25	162.5	42.33
PSI Energy Inc	**11**	**9,242**	**.13**	**.14**	**1.35**	**104.8**	**19.38**
Indonesia	11	9,242	.13	.14	1.35	104.8	19.38
Public Service Co of NH	**199**	**12,870**	**.58**	**.45**	**6.02**	**151.5**	**39.00**
Colombia	52	12,861	.64	.50	7.49	150.0	38.59
Venezuela	109	12,960	.58	.45	6.06	144.2	37.37
Indonesia	37	12,620	.49	.39	3.80	175.6	44.33
Tacoma Public Utilities	**29**	**10,036**	**.48**	**.47**	**12.60**	**179.5**	**36.03**
Canada	29	10,036	.48	.47	12.60	179.5	36.03
Tampa Electric Co	**284**	**10,889**	**.81**	**.72**	**8.10**	**178.5**	**38.87**
Colombia	222	10,844	.62	.55	7.63	166.6	36.13
Venezuela	61	11,056	1.48	1.34	9.78	220.7	48.80
1992	**1,806**	**12,103**	**.71**	**.58**	**6.90**	**154.0**	**37.27**
Central Power & Light Co	**80**	**13,064**	**.64**	**.49**	**7.53**	**175.2**	**45.78**
Colombia	37	12,892	.62	.48	7.90	174.5	44.99
Venezuela	42	13,214	.66	.50	7.20	175.8	46.46
Jacksonville Electric Auth	**1,419**	**11,897**	**.71**	**.60**	**6.91**	**150.0**	**35.70**
Colombia	1,419	11,897	.71	.60	6.91	150.0	35.70
New England Power Co	**197**	**13,322**	**.83**	**.62**	**6.68**	**163.4**	**43.54**
Canada	33	13,569	1.40	1.03	3.82	174.9	47.46
Venezuela	164	13,272	.71	.54	7.26	161.1	42.76
Ohio Edison Co	**13**	**9,587**	**.14**	**.15**	**1.20**	**166.9**	**32.00**
Indonesia	13	9,587	.14	.15	1.20	166.9	32.00

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 18. Receipts, Quality, and Average Delivered Cost of Imported Coal, 1990-1994 (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)
1992							
Public Service Co of NH	**83**	**12,616**	**0.60**	**0.48**	**6.50**	**161.8**	**40.83**
Colombia	48	12,428	.61	.50	6.31	157.2	39.08
Venezuela	34	12,881	.58	.45	6.76	168.0	43.29
Tacoma City of	**15**	**9,993**	**.42**	**.42**	**12.95**	**214.7**	**42.90**
Canada	15	9,993	.42	.42	12.95	214.7	42.90
1991	**1,967**	**12,111**	**.70**	**.58**	**6.96**	**156.9**	**38.00**
Jacksonville Electric Auth	**1,625**	**12,002**	**.73**	**.61**	**7.08**	**152.4**	**36.58**
Colombia	1,583	11,978	.73	.61	7.04	153.1	36.68
Venezuela	42	12,913	.56	.43	8.90	126.9	32.77
New England Power Co	**84**	**13,390**	**.77**	**.57**	**7.55**	**167.3**	**44.81**
Venezuela	84	13,390	.77	.57	7.55	167.3	44.81
Public Service Co of NH	**207**	**12,989**	**.52**	**.40**	**5.65**	**173.6**	**45.10**
Venezuela	207	12,989	.52	.40	5.65	173.6	45.10
Tacoma City of	**27**	**9,994**	**.46**	**.46**	**12.76**	**209.2**	**41.82**
Canada	27	9,994	.46	.46	12.76	209.2	41.82
Tampa Electric Co	**24**	**9,815**	**.07**	**.07**	**1.20**	**227.3**	**44.62**
Indonesia	24	9,815	.07	.07	1.20	227.3	44.62
1990	**1,366**	**12,155**	**.72**	**.60**	**6.57**	**175.2**	**42.58**
Jacksonville Electric Auth	**1,048**	**11,951**	**.74**	**.62**	**6.77**	**171.5**	**41.00**
Colombia	1,008	11,938	.74	.62	6.58	171.6	40.96
Venezuela	40	12,288	.77	.63	11.50	170.7	41.95
New England Power Co	**175**	**12,529**	**.66**	**.53**	**6.62**	**186.4**	**46.72**
Colombia	105	12,366	.69	.56	6.11	190.2	47.04
Venezuela	70	12,773	.61	.48	7.39	181.0	46.23
Public Service Co of NH	**144**	**13,188**	**.68**	**.51**	**5.07**	**186.1**	**49.08**
Canada	34	13,459	1.30	.97	5.90	181.0	48.72
Venezuela	110	13,105	.49	.38	4.82	187.7	49.19

[1] The delivered cost of coal from Venezuela is the weighted average cost of a 50/50 mixture of Illinois and Venezuela coal delivered under contract by Peabody Coal Sales to the Gulf Power Company.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator 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, 1994

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	1,472	12,113	1.29	1.07	11.79	144.2	34.94
Alabama Power Co	18,189	12,208	1.10	.91	11.81	185.2	45.22
American Mun Power Ohio Inc	766	11,550	4.78	4.14	14.74	90.9	21.00
Appalachian Power Co	11,511	12,408	.75	.60	11.47	158.4	39.31
Atlantic City Electric Co	836	12,918	2.06	1.60	9.66	170.3	44.01
Baltimore Gas & Electric Co	4,993	12,763	.88	.68	9.58	149.4	38.15
Big Rivers Electric Corp	331	12,780	1.94	1.51	8.67	111.4	28.47
Cardinal Operating Co	4,261	12,115	2.15	1.78	11.58	160.1	38.80
Carolina Power & Light Co	9,722	12,455	.92	.73	10.26	173.7	43.28
Cedar Falls City of	3	12,600	1.28	1.02	9.80	157.8	39.77
Central Hudson Gas & Elec Corp	768	13,084	.62	.48	7.72	190.8	49.93
Central Illinois Light Co	1,166	13,288	.62	.47	5.85	160.9	42.77
Central Operating Co	1,139	12,398	1.29	1.04	11.77	144.5	35.84
Cincinnati Gas & Electric Co	8,673	12,124	2.26	1.87	11.08	129.9	31.51
Cleveland Electric Illum Co	4,464	12,940	2.37	1.85	7.97	132.5	34.29
Columbia City of	50	13,605	.88	.64	6.93	210.6	57.31
Columbus Southern Power Co	4,002	11,770	3.16	2.70	9.13	141.6	33.32
Consumers Power Co	5,790	12,363	.82	.66	10.91	160.3	39.63
Dayton Power & Light Co	7,900	11,818	1.10	.93	13.40	137.8	32.57
Delmarva Power & Light Co	2,262	12,959	.92	.71	9.12	162.0	41.98
Detroit Edison Co	7,765	12,917	1.14	.88	7.96	159.0	41.08
Duke Power Co	12,121	12,398	.98	.80	10.23	164.3	40.74
Duquesne Light Co	2,751	12,718	1.81	1.42	10.04	133.8	34.03
East Kentucky Power Coop Inc	3,416	12,328	1.07	.88	10.27	118.1	29.13
Florida Power Corp	5,170	12,545	.82	.66	9.08	180.9	45.40
Gainesville Regional Utilities	555	13,159	.60	.46	6.90	173.2	45.59
Georgia Power Co	21,057	12,537	1.03	.83	9.87	171.8	43.08
Grand Haven City of	12	13,078	1.49	1.14	6.49	146.9	38.42
Gulf Power Co	22	13,379	1.20	.91	5.71	186.9	50.02
Hamilton City of	140	12,515	.74	.59	9.27	156.4	39.14
Holland City of	154	12,952	.86	.66	6.51	184.0	47.66
Holyoke Water Power Co	337	13,130	1.35	1.02	6.76	163.7	42.98
Illinois Power Co	357	12,479	1.02	.83	8.60	165.1	41.20
Indiana-Kentucky Electric Corp	1,013	12,226	3.58	2.96	11.07	100.3	24.53
Indiana Michigan Power Co	1,263	12,590	1.12	.89	10.67	145.3	36.59
Jacksonville Electric Auth	1,702	12,571	1.11	.88	9.99	177.2	44.56
Jamestown City of	93	12,643	1.89	1.49	9.30	135.6	34.30
Kentucky Power Co	2,449	12,098	1.26	1.05	10.66	107.1	25.92
Kentucky Utilities Co	5,447	12,273	1.03	.84	10.55	122.6	30.08
Lakeland City of	992	12,936	1.12	.87	8.02	173.4	44.87
Lansing City of	707	12,599	.87	.69	9.03	173.1	43.61
Louisville Gas & Electric Co	121	11,454	2.98	2.60	11.70	101.3	23.20
Madison Gas & Electric Co	2	12,005	.83	.69	7.40	130.9	31.44
Manitowoc Public Utilities	119	13,036	.88	.67	7.49	172.1	44.86
Metropolitan Edison Co	1,032	13,047	1.67	1.28	7.90	151.9	39.64
Michigan South Central Pwr Agy	122	11,935	3.45	2.89	8.89	164.0	39.16
Minnesota Power & Light Co	23	10,713	1.28	1.20	14.00	105.3	22.56
Mississippi Power Co	372	12,614	.76	.60	9.47	173.9	43.86
Monongahela Power Co	11,464	12,711	2.73	2.15	9.89	126.1	32.05
Montaup Electric Co	233	12,836	.71	.56	8.45	182.2	46.78
New England Power Co	2,497	12,822	.98	.77	8.48	170.9	43.82
New York State Elec & Gas Corp	3,377	12,809	1.99	1.54	8.67	130.8	33.51
Niagara Mohawk Power Corp	2,688	13,074	1.90	1.45	7.50	138.4	36.19
Northern Indiana Pub Serv Co	466	12,731	2.48	1.98	8.48	143.0	36.41
Ohio Edison Co	7,453	12,089	1.71	1.41	11.04	122.2	29.55
Ohio Power Co	12,936	11,812	2.87	2.45	11.93	170.9	40.38
Ohio Valley Electric Corp	3,547	12,398	3.36	2.75	9.93	117.2	29.06
Orange & Rockland Utils Inc	774	12,949	.58	.45	7.72	194.2	50.28
Orlando Utilities Comm	980	12,790	.96	.75	8.60	185.9	47.54
Orrville City of	198	11,565	3.49	3.02	9.96	100.5	23.24
Painesville City of	110	12,292	2.86	2.33	7.01	140.8	34.62
Pennsylvania Electric Co	15,128	12,176	1.86	1.54	14.47	135.0	32.88
Pennsylvania Power & Light Co	7,980	12,346	1.74	1.39	13.03	144.2	35.61
Pennsylvania Power Co	5,636	12,061	3.54	2.93	11.80	162.0	39.07
Philadelphia Electric Co	1,437	13,196	1.86	1.41	7.68	145.0	38.27
Potomac Edison Co	129	12,614	.91	.72	12.29	133.9	33.79
Potomac Electric Power Co	5,276	12,925	1.37	1.07	10.01	164.6	42.55
PSI Energy Inc	1,133	12,559	1.72	1.36	9.60	127.9	32.12
Public Service Co of NH	979	13,197	1.78	1.35	6.86	154.1	40.67

See footnotes at end of table.

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1994 (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)
Public Service Electric&Gas Co	1,233	13,640	0.78	0.57	5.96	189.4	51.65
Richmond City of	27	11,801	2.43	2.07	10.97	130.4	30.79
Rochester Public Utilities	4	12,558	1.53	1.22	8.81	167.8	42.13
Rochester Gas & Electric Corp	544	13,212	2.08	1.57	6.64	134.8	35.61
Savannah Electric & Power Co	261	12,337	1.20	.97	9.66	174.3	43.02
Seminole Electric Coop Inc	218	13,269	2.41	1.81	6.33	154.8	41.09
Solid Waste Auth of Cent Ohio	17	13,373	.70	.53	7.10	175.2	46.86
South Carolina Electric&Gas Co	5,247	12,861	1.20	.93	8.97	157.7	40.57
South Carolina Pub Serv Auth	5,401	12,690	1.24	.98	8.76	152.0	38.56
South Mississippi El Pwr Assn	861	12,393	.86	.69	8.95	200.9	49.81
Tampa Electric Co	2,644	12,830	1.52	1.18	7.18	212.5	54.54
Tennessee Valley Authority	14,609	12,439	1.28	1.03	10.25	126.7	31.51
Toledo Edison Co	1,211	12,928	1.04	.81	8.12	180.4	46.64
United Illuminating Co	863	13,094	.54	.41	7.38	177.4	46.45
Vineland City of	24	13,183	.85	.64	7.48	178.9	47.16
Virginia Electric & Power Co	10,254	12,633	1.40	1.11	11.25	138.9	35.10
West Penn Power Co	4,865	12,767	2.23	1.75	9.98	147.1	37.57
Wisconsin Electric Power Co	1,386	13,019	1.23	.94	7.84	147.2	38.32
Wisconsin Power & Light Co	62	13,991	.65	.47	4.22	161.9	45.30
Wisconsin Public Service Corp	229	13,320	.68	.51	6.84	179.1	47.71
Wyandotte Municipal Serv Comm	99	13,182	.96	.74	6.75	185.9	49.00
Total	**292,087**	**12,450**	**1.55**	**1.25**	**10.51**	**152.4**	**37.94**

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. • 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, 1994

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	104	12,083	2.12	1.75	11.98	129.9	31.39
Associated Electric Coop Inc	2,094	11,221	2.94	2.62	8.70	121.2	27.20
Big Rivers Electric Corp	4,478	11,382	3.15	2.82	11.57	126.6	28.82
Cedar Falls City of	39	11,291	2.69	2.40	9.19	138.4	31.26
Central Electric Pwr Coop-MO	141	10,927	3.07	2.83	10.03	128.0	27.98
Central Illinois Light Co	1,401	10,435	3.38	3.26	10.26	169.8	35.45
Central Illinois Pub Serv Co	4,895	10,891	1.98	1.79	9.25	160.3	34.91
Central Iowa Power Coop	189	11,241	2.88	2.56	9.34	113.8	25.59
Cincinnati Gas & Electric Co	106	11,340	2.62	2.29	9.07	113.1	25.66
Commonwealth Edison Co	1,453	10,538	3.79	3.59	8.90	104.6	22.05
Consumers Power Co	20	12,051	.98	.81	6.40	145.6	35.09
Dairyland Power Coop	654	11,739	1.41	1.21	6.87	131.6	30.89
Detroit Edison Co	21	12,220	1.13	.92	5.30	136.1	33.26
Electric Energy Inc	1,022	11,723	2.19	1.89	8.78	103.7	24.31
Empire District Electric Co	171	12,255	3.29	2.69	11.34	124.2	30.43
Georgia Power Co	2,562	11,399	2.55	2.25	9.09	169.0	38.52
Grand Haven City of	155	11,103	2.49	2.24	9.87	154.8	34.38
Grand River Dam Authority	112	13,279	3.66	2.76	6.07	100.8	26.78
Gulf Power Co	2,046	11,924	2.18	1.83	7.71	170.2	40.60
Hoosier Energy R E C Inc	2,999	11,067	3.31	2.99	10.99	127.7	28.26
IES Utilities Co	218	11,658	2.36	2.02	8.60	136.2	31.76
Illinois Power Co	5,228	10,956	2.78	2.55	9.79	133.6	29.27
Independence City of	96	11,021	2.82	2.56	10.07	143.7	31.67
Indiana-Kentucky Electric Corp	2,813	11,237	3.34	2.97	10.36	103.0	23.15
Indiana Michigan Power Co	471	11,401	2.44	2.14	10.93	116.2	26.50
Indianapolis Power & Light Co	6,351	11,200	2.30	2.06	8.65	108.2	24.24
Interstate Power Co	684	11,500	1.89	1.66	8.08	158.8	36.52
Iowa-Illinois Gas&Electric Co	398	11,748	2.26	1.92	9.46	104.7	24.61
Kansas City City of	223	11,343	2.51	2.23	10.47	179.4	40.71
Kansas City Power & Light Co	439	11,236	3.92	3.49	14.87	114.9	25.82
Kentucky Utilities Co	1,184	11,434	2.55	2.23	9.03	102.7	23.47
Louisville Gas & Electric Co	5,783	11,504	3.07	2.67	9.97	110.4	25.39
Madison Gas & Electric Co	112	11,286	1.89	1.68	9.14	144.4	32.59
Manitowoc Public Utilities	4	11,950	1.40	1.17	7.30	138.9	33.20
Mississippi Power Co	1,063	12,456	2.41	1.93	8.55	131.8	32.84
Muscatine City of	160	10,967	3.02	2.76	9.36	107.6	23.59
Northern Indiana Pub Serv Co	2,578	10,973	2.98	2.72	10.16	136.3	29.91
Ohio Power Co	4	10,707	1.65	1.56	8.41	171.8	36.78
Owensboro City of	1,046	11,180	2.79	2.49	9.17	93.6	20.93
PSI Energy Inc	14,193	11,064	1.99	1.80	9.23	137.6	30.45
Richmond City of	283	11,566	2.48	2.15	9.08	150.9	34.90
Rochester Public Utilities	94	11,990	1.31	1.10	6.43	174.0	41.72
Seminole Electric Coop Inc	3,185	12,079	2.88	2.38	8.11	186.0	44.94
Sikeston City of	360	11,560	2.46	2.14	9.93	175.3	40.53
Southern Illinois Power Coop	624	10,315	2.71	2.61	18.24	90.6	18.70
Southern Indiana Gas & Elec Co	2,792	11,410	3.07	2.68	8.42	137.5	31.38
Springfield City of	1,018	10,484	3.08	2.94	9.39	115.2	24.15
Springfield City of	708	11,663	2.17	1.86	8.62	136.3	31.80
St Joseph Light & Power Co	221	11,620	3.51	3.02	13.06	132.9	30.90
Tampa Electric Co	3,849	11,721	2.85	2.45	8.41	169.9	39.82
Tennessee Valley Authority	22,722	11,558	2.95	2.59	10.83	120.1	27.77
Union Electric Co	4,747	11,372	2.34	2.07	9.61	137.2	31.20
UtiliCorp United Inc	271	10,900	2.81	2.58	9.99	134.5	29.32
Wisconsin Power & Light Co	630	11,336	1.95	1.73	8.44	188.3	42.68
Wisconsin Public Service Corp	10	12,209	1.39	1.14	5.75	163.6	39.95
Total	**109,224**	**11,332**	**2.68**	**2.38**	**9.75**	**132.2**	**29.95**

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, 1994

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	238	8,460	0.28	0.33	4.49	119.0	20.14
Ames City of	218	8,729	.20	.23	4.49	139.0	24.27
Arizona Electric Pwr Coop Inc	1,322	10,069	.43	.43	12.26	130.9	26.37
Arizona Public Service Co	11,964	9,107	.68	.77	19.38	129.8	23.64
Arkansas Power & Light Co	10,165	8,767	.31	.36	4.99	160.8	28.20
Associated Electric Coop Inc	3,093	8,691	.20	.23	4.56	94.5	16.43
Basin Electric Power Coop	7,420	8,270	.37	.45	4.93	51.3	8.48
Cajun Electric Power Coop Inc	5,625	8,466	.36	.43	4.95	152.3	25.78
Central Electric Pwr Coop-MO	5	8,463	.38	.44	5.52	143.6	24.30
Central Illinois Light Co	15	8,832	.40	.45	5.31	120.7	21.32
Central Illinois Pub Serv Co	672	11,254	.42	.38	9.82	137.6	30.97
Central Louisiana Elec Co Inc	1,886	8,668	.45	.51	5.68	180.3	31.25
Central Power & Light Co	1,665	10,760	.41	.38	6.77	199.7	42.98
Colorado Springs City of	1,330	10,743	.40	.37	6.69	136.9	29.41
Columbia City of	1	12,070	.36	.30	9.96	213.0	51.42
Commonwealth Edison Co	12,191	9,124	.34	.37	4.76	224.4	40.95
Consumers Power Co	1,565	8,907	.46	.51	6.34	124.8	22.22
Dairyland Power Coop	1,263	8,492	.31	.36	4.67	140.3	23.83
Deseret Generation & Tran Coop	1,514	10,633	.47	.44	9.58	217.6	46.26
Detroit Edison Co	13,194	9,273	.33	.36	4.48	136.2	25.26
Electric Energy Inc	3,116	8,643	.27	.31	4.61	83.6	14.44
Empire District Electric Co	966	8,756	.26	.30	4.46	98.0	17.17
Fremont City of	241	8,471	.31	.36	5.05	82.1	13.90
Georgia Power Co	4,842	8,623	.35	.40	5.09	151.5	26.12
Grand Island City of	362	8,381	.34	.40	5.42	68.8	11.53
Grand River Dam Authority	3,833	8,434	.32	.38	4.98	91.1	15.36
Gulf States Utilities Co	2,260	8,668	.45	.52	5.67	157.0	27.22
Hastings City of	286	8,597	.29	.33	4.96	79.0	13.58
Houston Lighting & Power Co	10,483	8,564	.37	.44	5.14	182.6	31.27
IES Utilities Co	3,960	8,436	.39	.46	5.44	97.7	16.49
Illinois Power Co	736	12,186	.63	.52	9.02	135.6	33.05
Indiana-Kentucky Electric Corp	402	8,792	.23	.26	4.90	91.1	16.03
Indiana Michigan Power Co	10,989	8,525	.31	.37	4.88	107.3	18.29
Interstate Power Co	514	8,369	.35	.42	4.74	235.4	39.39
Iowa-Illinois Gas&Electric Co	1,721	8,371	.34	.41	5.30	112.1	18.77
Kansas City City of	1,213	8,978	.38	.42	5.60	100.1	17.97
Kansas City Power & Light Co	10,916	8,597	.33	.38	5.20	82.8	14.23
Kansas Power & Light Co	9,024	8,616	.37	.43	5.35	111.6	19.24
Lansing City of	2	9,057	.27	.30	5.44	138.0	25.00
Los Angeles City of	4,688	11,770	.46	.39	9.19	145.1	34.15
Lower Colorado River Authority	6,341	8,600	.37	.42	5.42	124.5	21.42
Manitowoc Public Utilities	3	9,472	.68	.71	5.58	121.7	23.06
Marquette City of	149	9,011	.47	.52	6.46	177.9	32.07
Midwest Power	8,320	8,539	.36	.42	5.08	80.5	13.75
Minnesota Power & Light Co	3,968	8,893	.62	.71	7.55	108.2	19.25
Mississippi Power Co	2,004	9,998	.41	.41	6.78	146.5	29.30
Montana Power Co	10,069	8,545	.66	.77	9.08	68.8	11.75
Muscatine City of	618	8,502	.80	.94	6.71	74.8	12.71
Nebraska Public Power District	4,648	8,803	.33	.37	5.29	82.8	14.57
Nevada Power Co	1,590	11,782	.49	.41	8.95	160.4	37.80
Northern Indiana Pub Serv Co	3,964	10,042	.43	.42	6.00	148.4	29.80
Northern States Power Co	13,355	8,757	.41	.47	6.40	114.6	20.07
Oklahoma Gas & Electric Co	8,601	8,609	.31	.36	4.98	79.6	13.70
Omaha Public Power District	3,356	8,274	.38	.45	5.00	67.5	11.17
Otter Tail Power Co	288	9,286	.32	.35	3.97	123.1	22.86
PacifiCorp	32,390	9,486	.57	.62	10.41	94.4	17.91
Plains Elec Gen&Trans Coop Inc	927	9,064	.69	.77	18.41	134.5	24.38
Platte River Power Authority	1,095	8,854	.26	.30	5.21	71.4	12.64
Portland General Electric Co	2,223	8,937	.37	.42	5.89	107.3	19.18
Public Service Co of Colorado	8,969	9,824	.39	.40	7.23	102.6	20.16
PSI Energy Inc	844	8,768	.33	.37	5.17	111.0	19.46
Public Service Co of NM	5,980	9,475	.87	.91	23.40	170.5	32.30
Public Service Co of Oklahoma	3,132	8,531	.39	.46	5.45	143.7	24.51
Rochester Public Utilities	*	8,800	.26	.30	5.50	116.5	20.50
Salt River Proj Ag I & P Dist	10,184	10,754	.50	.47	9.97	124.8	26.85
San Antonio City of	4,606	8,406	.34	.40	5.42	112.9	18.98
Sierra Pacific Power Co	1,622	10,309	.46	.46	8.01	198.3	40.88
Southern California Edison Co	4,415	11,475	.51	.44	10.36	118.9	27.28
Southwestern Electric Power Co	6,846	8,381	.33	.40	4.57	176.2	29.53

See footnotes at end of table.

Table 21. Receipts of Western Region Coal by Electric Utility, 1994 (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)
Southwestern Public Service Co	8,359	8,653	0.32	0.37	5.24	176.2	30.50
Springfield City of	196	11,072	.44	.39	8.42	141.7	31.38
Sunflower Electric Coop Inc	1,492	8,438	.34	.40	5.20	106.4	17.96
Tacoma Public Utilities	30	9,622	.44	.46	5.60	174.4	33.57
Tampa Electric Co	540	12,057	.41	.34	8.84	154.4	37.23
Tennessee Valley Authority	1,803	11,634	.57	.49	9.39	124.3	28.93
Texas Municipal Power Agency	36	8,499	.32	.38	5.09	159.7	27.15
Tri State G & T Assn Inc	4,848	10,199	.45	.44	7.47	108.7	22.17
Tucson Electric Power Co	3,366	9,234	.67	.72	17.14	167.3	30.89
Union Electric Co	7,224	8,969	.35	.39	5.57	99.5	17.84
UtiliCorp United Inc	1,254	10,274	.42	.41	6.36	99.1	20.35
West Texas Utilities Co	3,038	8,364	.35	.42	5.09	142.9	23.90
Western Farmers Elec Coop Inc	1,512	8,465	.36	.43	4.90	172.8	29.26
Wisconsin Electric Power Co	8,030	9,643	.40	.42	7.21	113.8	21.95
Wisconsin Power & Light Co	6,328	8,800	.37	.42	5.60	116.9	20.58
Wisconsin Public Service Corp	2,431	8,817	.27	.31	4.83	116.5	20.54
Total	**346,897**	**9,115**	**.42**	**.47**	**7.31**	**123.5**	**22.51**

* = 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, 1994

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	**27,160**	**12,088**	**1.30**	**1.09**	**11.54**	**167.2**	**40.42**
Alabama	15,730	12,219	1.13	.93	11.84	190.7	46.59
Colorado	147	11,496	.58	.50	10.39	129.4	29.74
Illinois	1,137	11,506	2.32	2.02	8.81	126.7	29.16
Kentucky	6,125	12,002	1.83	1.54	11.22	131.3	31.52
Ohio	84	12,151	3.90	3.21	12.13	122.7	29.81
Pennsylvania	28	12,830	1.98	1.57	9.22	122.1	31.32
Tennessee	543	12,406	.86	.70	12.72	127.7	31.69
Utah	88	11,730	.69	.58	9.34	129.5	30.38
Virginia	137	12,429	1.29	1.03	11.50	160.6	39.91
West Virginia	2,903	12,041	.90	.75	12.16	144.0	34.69
Wyoming	238	8,460	.28	.33	4.49	119.0	20.14
Arizona	**18,427**	**10,281**	**.51**	**.50**	**11.97**	**137.4**	**28.26**
Arizona	7,580	11,014	.53	.48	9.04	103.6	22.82
Colorado	40	10,627	.42	.40	8.57	97.1	20.63
New Mexico	10,807	9,765	.50	.52	14.03	164.3	32.10
Arkansas	**11,847**	**8,707**	**.32**	**.37**	**4.92**	**160.3**	**27.91**
Wyoming	11,847	8,707	.32	.37	4.92	160.3	27.91
Colorado	**16,242**	**9,946**	**.40**	**.40**	**7.12**	**105.6**	**21.01**
Colorado	11,106	10,617	.44	.42	8.24	110.5	23.47
Montana	10	8,927	.38	.43	14.66	76.2	13.60
Wyoming	5,126	8,494	.31	.37	4.67	92.4	15.70
Connecticut	**863**	**13,094**	**.54**	**.41**	**7.38**	**177.4**	**46.45**
Kentucky	809	13,080	.53	.41	7.41	177.6	46.46
West Virginia	54	13,306	.64	.48	6.97	173.8	46.25
Delaware	**2,284**	**12,954**	**.92**	**.71**	**9.09**	**162.0**	**41.98**
Kentucky	36	12,916	.59	.45	6.83	176.6	45.61
Maryland	138	13,155	1.38	1.05	9.85	149.9	39.43
Pennsylvania	251	13,004	1.29	.99	8.96	161.1	41.89
Virginia	85	13,082	.80	.62	7.78	175.4	45.89
West Virginia	1,750	12,932	.85	.65	9.20	162.1	41.93
Imported	22	12,370	.58	.47	5.98	168.2	41.61
Florida1	**24,948**	**12,293**	**1.60**	**1.32**	**8.19**	**177.8**	**43.71**
Alabama	2	12,241	2.87	2.34	10.00	204.1	49.97
Colorado	423	12,980	.44	.34	9.88	158.7	41.19
Illinois	5,544	11,630	2.63	2.28	8.39	173.8	40.43
Kentucky	12,516	12,614	1.51	1.21	8.15	184.4	46.51
Pennsylvania	70	13,276	2.39	1.80	7.75	132.2	35.11
Tennessee	276	12,628	1.14	.91	7.43	215.3	54.38
Virginia	798	12,345	.71	.57	9.58	214.2	52.89
West Virginia	2,157	12,692	1.47	1.14	9.20	172.7	43.84
Wyoming	118	8,746	.28	.33	5.12	131.6	23.01
Imported	3,045	11,871	.68	.57	6.84	151.7	36.01
Georgia	**28,761**	**11,774**	**1.05**	**.88**	**8.99**	**169.1**	**39.82**
Colorado	11	11,290	.37	.33	9.53	165.8	37.44
Illinois	2,543	11,397	2.54	2.24	9.10	169.2	38.57
Indiana	19	11,642	3.55	3.05	7.75	133.9	31.18
Kentucky	14,403	12,472	1.10	.88	9.84	163.4	40.77
Ohio	37	12,258	4.34	3.54	10.49	163.4	40.06
Virginia	2,504	12,899	1.18	.92	9.66	180.4	46.53
West Virginia	4,373	12,535	.72	.58	10.10	194.4	48.73
Wyoming	4,831	8,617	.35	.40	5.08	151.4	26.10
Imported	39	12,163	.99	.81	7.77	182.7	44.44
Illinois	**32,936**	**10,181**	**1.46**	**1.37**	**7.44**	**160.6**	**32.69**
Colorado	1,371	11,749	.53	.45	9.42	136.2	32.02
Illinois	14,314	10,839	2.77	2.56	9.81	136.8	29.66
Indiana	1,221	10,863	1.35	1.24	10.01	144.8	31.45
Kentucky	1,351	13,021	.84	.67	6.43	160.1	41.69
Montana	4,240	9,537	.36	.38	4.13	206.7	39.43
Ohio	35	11,702	3.16	2.70	8.75	177.6	41.57
Utah	235	11,856	.42	.36	7.54	134.1	31.80
West Virginia	243	12,941	.69	.53	7.84	167.2	43.28
Wyoming	9,927	8,707	.30	.35	4.97	189.2	32.94

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, 1994 (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	**53,540**	**10,535**	**1.76**	**1.59**	**8.09**	**127.2**	**26.79**
Colorado	396	11,435	.38	.34	7.98	151.1	34.55
Illinois	10,556	11,007	2.38	2.17	9.50	143.2	31.52
Indiana	19,647	11,189	2.43	2.17	9.19	121.6	27.21
Kentucky	2,967	11,559	2.78	2.44	10.47	117.2	27.10
Montana	780	9,596	.37	.39	4.17	235.9	45.28
Ohio	248	12,115	3.98	3.27	9.87	118.6	28.75
Pennsylvania	537	13,239	2.31	1.74	7.60	114.2	30.24
Utah	210	11,821	.45	.38	8.46	169.0	39.95
Virginia	75	13,715	.68	.50	6.37	157.8	43.27
West Virginia	2,353	12,357	2.14	1.75	11.22	127.1	31.42
Wyoming	15,772	8,813	.34	.38	5.05	118.3	20.85
Iowa	**17,005**	**8,783**	**.57**	**.60**	**5.59**	**99.0**	**17.39**
Colorado	7	11,085	.53	.48	10.50	129.7	28.75
Illinois	1,219	11,489	2.36	2.06	9.10	132.5	30.45
Indiana	351	11,572	1.96	1.70	7.53	135.1	31.28
Kentucky	84	11,511	2.71	2.36	8.92	118.3	27.24
Wyoming	15,345	8,488	.38	.45	5.24	94.1	15.98
Kansas	**17,653**	**8,708**	**.49**	**.53**	**5.63**	**102.5**	**17.85**
Colorado	1,148	11,143	.43	.38	10.20	115.2	25.66
Illinois	305	11,278	2.65	2.36	10.18	165.6	37.36
Kansas	81	12,538	3.07	2.45	9.82	123.5	30.98
Missouri	357	11,266	4.13	3.67	16.13	112.1	25.26
Wyoming	15,762	8,404	.35	.42	4.95	99.2	16.67
Kentucky	**36,301**	**11,683**	**2.34**	**2.06**	**11.35**	**116.2**	**27.16**
Colorado	1,175	11,598	.56	.48	9.83	123.5	28.64
Illinois	440	11,356	2.87	2.54	9.02	111.3	25.28
Indiana	2,338	11,171	2.84	2.54	9.26	99.9	22.31
Kentucky	27,334	11,597	2.56	2.26	11.88	117.1	27.15
Ohio	433	12,138	3.57	2.92	10.40	103.8	25.20
Pennsylvania	559	13,194	2.25	1.70	7.53	108.6	28.66
Tennessee	121	13,077	2.48	1.90	10.71	116.6	30.49
Utah	366	11,767	.59	.50	7.72	123.5	29.06
Virginia	35	13,801	.93	.67	6.00	175.0	48.31
West Virginia	3,499	12,385	.86	.69	10.67	119.9	29.70
Louisiana	**13,408**	**8,136**	**.51**	**.66**	**7.16**	**153.9**	**25.04**
Colorado	37	11,957	.45	.38	8.01	156.4	37.40
Louisiana	3,467	6,890	.84	1.22	12.83	135.7	18.70
Wyoming	9,734	8,538	.40	.47	5.25	158.9	27.13
Imported	169	9,702	.10	.11	1.20	166.8	32.36
Maryland	**9,623**	**12,824**	**1.16**	**.90**	**9.91**	**155.3**	**39.84**
Kentucky	679	12,998	.74	.57	7.68	157.0	40.81
Maryland	1,024	12,976	1.46	1.13	10.46	170.5	44.25
Pennsylvania	1,870	12,873	1.56	1.22	10.84	166.5	42.87
Virginia	88	13,796	.69	.50	5.37	179.9	49.64
West Virginia	5,874	12,754	1.04	.81	9.89	148.6	37.91
Imported	88	12,379	.66	.53	7.36	147.3	36.46
Massachusetts	**4,127**	**12,814**	**.91**	**.71**	**7.85**	**167.8**	**43.00**
Kentucky	230	12,592	.67	.54	8.19	185.8	46.79
Pennsylvania	409	13,135	1.47	1.12	6.55	159.6	41.93
West Virginia	2,428	12,835	.96	.74	8.59	171.5	44.02
Imported	1,060	12,691	.66	.52	6.57	158.6	40.26
Michigan	**31,435**	**10,925**	**.68**	**.59**	**6.97**	**150.6**	**32.90**
Colorado	241	12,288	.57	.47	8.59	141.7	34.83
Illinois	51	11,954	1.46	1.24	6.59	140.4	33.57
Indiana	133	11,021	2.39	2.17	10.06	157.1	34.64
Kentucky	7,029	12,689	.95	.75	8.62	166.3	42.20
Montana	10,300	9,434	.39	.41	4.64	149.9	28.28
Ohio	148	12,121	3.14	2.61	8.43	167.6	40.62
Pennsylvania	1,421	13,172	1.47	1.12	6.59	142.0	37.40
Virginia	368	13,317	.89	.67	7.43	178.8	47.61
West Virginia	6,190	12,533	.93	.74	10.51	156.1	39.14

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, 1994 (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)
Michigan (Continued)							
Wyoming	5,497	8,809	0.29	0.33	5.07	114.3	20.14
Imported	57	11,005	.23	.21	10.28	149.9	32.99
Minnesota	**17,770**	**8,821**	**.46**	**.53**	**6.64**	**113.9**	**20.09**
Illinois	94	11,990	1.31	1.10	6.43	174.0	41.72
Indiana	37	10,990	1.50	1.36	9.10	155.9	34.25
Kentucky	*	11,699	1.06	.91	11.57	100.0	23.40
Montana	9,229	8,813	.64	.73	8.23	116.4	20.51
Ohio	21	10,634	1.32	1.24	14.38	98.0	20.85
West Virginia	5	12,443	1.34	1.07	8.40	183.7	45.71
Wyoming	8,382	8,777	.26	.29	4.86	109.9	19.30
Mississippi	**4,299**	**11,312**	**1.02**	**.86**	**7.88**	**157.1**	**35.54**
Colorado	715	11,072	.43	.39	10.37	159.5	35.31
Illinois	1,063	12,456	2.41	1.93	8.55	131.8	32.84
Kentucky	1,171	12,463	.82	.66	9.04	194.8	48.57
Montana	1,288	9,402	.40	.42	4.78	138.0	25.96
West Virginia	62	12,392	.94	.76	10.43	151.5	37.55
Missouri	**27,250**	**9,718**	**1.03**	**.96**	**6.65**	**110.1**	**21.39**
Colorado	713	11,750	.47	.40	9.60	157.4	36.99
Illinois	6,990	11,349	2.41	2.14	9.52	137.8	31.27
Indiana	535	10,933	2.90	2.65	9.08	118.7	25.95
Kansas	274	11,817	3.56	3.02	13.44	130.2	30.77
Kentucky	952	11,640	2.92	2.53	8.02	126.6	29.46
Missouri	24	10,273	3.95	3.84	11.45	78.2	16.06
Utah	451	11,896	.44	.37	8.53	126.1	30.00
West Virginia	2	12,958	.92	.71	10.22	225.9	58.54
Wyoming	17,308	8,742	.30	.35	5.06	90.4	15.81
Montana	**10,310**	**8,500**	**.66**	**.77**	**9.05**	**69.3**	**11.79**
Montana	10,191	8,499	.66	.78	9.10	69.4	11.80
Wyoming	119	8,551	.33	.38	4.90	64.2	10.98
Nebraska	**8,894**	**8,571**	**.35**	**.40**	**5.17**	**76.5**	**13.11**
Colorado	56	11,934	.44	.37	7.88	112.6	26.88
Montana	3	10,499	.41	.38	12.24	79.6	16.72
Wyoming	8,835	8,549	.34	.40	5.15	76.2	13.02
Nevada	**7,627**	**11,291**	**.49**	**.44**	**9.57**	**143.3**	**32.37**
Arizona	4,415	11,475	.51	.44	10.36	118.9	27.28
Colorado	211	11,706	.48	.41	9.18	227.8	53.32
Utah	1,989	11,660	.46	.39	8.76	161.8	37.73
Wyoming	1,012	9,676	.51	.53	7.79	204.8	39.63
New Hampshire	**1,255**	**13,032**	**1.52**	**1.16**	**6.40**	**152.2**	**39.66**
Pennsylvania	707	13,176	1.57	1.19	6.61	156.5	41.25
West Virginia	272	13,253	2.34	1.76	7.50	147.8	39.17
Imported	276	12,446	.58	.47	4.74	144.9	36.07
New Jersey	**2,115**	**13,341**	**1.29**	**.98**	**7.44**	**181.7**	**48.49**
Kentucky	251	13,158	.73	.56	7.48	202.1	53.19
Pennsylvania	2	13,238	1.89	1.43	7.10	215.1	56.95
Virginia	688	14,046	.79	.56	4.73	179.8	50.50
West Virginia	1,152	12,970	1.72	1.33	9.07	178.7	46.36
Imported	23	12,870	.68	.53	6.90	166.9	42.96
New Mexico	**15,316**	**9,043**	**.82**	**.90**	**22.44**	**140.9**	**25.48**
New Mexico	15,316	9,043	.82	.90	22.44	140.9	25.48
New York	**8,244**	**12,959**	**1.71**	**1.31**	**7.98**	**145.2**	**37.63**
Kentucky	1,015	12,950	.58	.45	7.82	192.6	49.88
Ohio	109	12,610	4.18	3.32	8.91	118.9	29.99
Pennsylvania	4,561	12,839	1.68	1.31	8.38	136.6	35.08
West Virginia	2,559	13,191	2.09	1.58	7.30	142.7	37.66
North Carolina	**21,330**	**12,416**	**.95**	**.76**	**10.27**	**168.2**	**41.77**
Kentucky	10,265	12,429	.98	.79	9.39	168.2	41.81

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, 1994 (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)
North Carolina (Continued)							
Virginia	4,459	12,534	1.08	0.86	11.18	166.3	41.69
West Virginia	6,579	12,317	.81	.65	11.04	169.6	41.78
Imported	27	12,200	.70	.57	9.00	145.5	35.50
North Dakota	**23,366**	**6,593**	**.75**	**1.14**	**9.39**	**70.4**	**9.28**
North Dakota	23,366	6,593	.75	1.14	9.39	70.4	9.28
Ohio	**49,311**	**12,052**	**2.34**	**1.96**	**10.91**	**143.9**	**34.70**
Illinois	1	9,529	2.37	2.46	6.99	153.7	29.30
Indiana	38	11,399	2.75	2.35	8.56	117.2	26.72
Kentucky	9,824	11,935	1.01	.85	12.31	145.3	34.69
Ohio	22,794	11,855	3.46	2.92	10.53	146.4	34.72
Pennsylvania	2,554	12,839	1.91	1.49	8.41	120.9	31.05
Virginia	17	13,474	.74	.55	4.28	136.5	36.78
West Virginia	14,082	12,311	1.53	1.25	11.03	143.6	35.35
Oklahoma	**17,191**	**8,573**	**.35**	**.40**	**5.07**	**102.0**	**17.50**
Oklahoma	112	13,279	3.66	2.76	6.07	100.8	26.78
Wyoming	17,079	8,542	.33	.39	5.06	102.1	17.44
Oregon	**2,223**	**8,937**	**.37**	**.42**	**5.89**	**107.3**	**19.18**
Utah	100	11,264	.37	.33	8.73	109.5	24.67
Wyoming	2,123	8,828	.37	.42	5.75	107.2	18.92
Pennsylvania	**38,828**	**12,368**	**2.11**	**1.72**	**12.49**	**143.1**	**35.39**
Kentucky	65	13,078	.63	.48	7.08	172.3	45.06
Ohio	2,416	12,069	3.61	3.00	11.71	163.8	39.53
Pennsylvania	28,962	12,339	1.84	1.50	13.07	138.5	34.17
West Virginia	7,385	12,570	2.71	2.18	10.50	154.0	38.73
South Carolina	**11,188**	**12,771**	**1.21**	**.95**	**8.87**	**156.0**	**39.84**
Kentucky	10,045	12,747	1.20	.94	8.78	156.1	39.80
Virginia	1,072	13,002	1.33	1.03	9.70	153.9	40.02
West Virginia	71	12,765	.93	.73	10.23	167.0	42.63
South Dakota	**2,317**	**6,049**	**.91**	**1.51**	**8.81**	**108.3**	**13.10**
North Dakota	2,317	6,049	.91	1.51	8.81	108.3	13.10
Tennessee	**21,389**	**12,186**	**2.00**	**1.66**	**8.94**	**125.6**	**30.61**
Illinois	3,151	11,726	1.99	1.70	9.00	127.6	29.92
Kentucky	15,582	12,191	2.06	1.71	8.78	125.8	30.66
Ohio	2	12,087	2.43	2.01	11.20	129.1	31.21
Pennsylvania	478	12,939	2.73	2.11	8.09	118.2	30.58
Tennessee	656	12,940	1.43	1.11	7.40	123.8	32.05
Utah	27	11,821	.58	.50	7.76	129.1	30.51
Virginia	1,140	12,643	1.39	1.10	11.06	124.0	31.36
West Virginia	353	12,218	1.72	1.40	12.56	121.3	29.64
Texas	**89,210**	**7,346**	**.73**	**1.12**	**11.31**	**135.0**	**19.84**
Colorado	1,665	10,760	.41	.38	6.77	199.7	42.98
Texas	49,364	6,303	1.04	1.69	16.22	105.2	13.26
Wyoming	38,027	8,531	.35	.41	5.16	159.9	27.29
Imported	153	11,929	.55	.46	5.03	148.9	35.51
Utah	**14,253**	**11,491**	**.47**	**.41**	**10.25**	**113.6**	**26.10**
Colorado	1,514	10,633	.47	.44	9.58	217.6	46.26
Utah	12,739	11,593	.47	.41	10.33	102.2	23.70
Virginia	**9,270**	**12,778**	**.99**	**.77**	**9.91**	**145.0**	**37.05**
Kentucky	3,161	12,714	1.15	.91	9.02	145.5	37.00
Virginia	4,885	12,799	.91	.71	10.67	141.0	36.10
West Virginia	1,224	12,861	.88	.68	9.14	159.3	40.97
Washington	**6,171**	**8,400**	**.65**	**.80**	**13.04**	**136.5**	**22.93**
Montana	1,118	9,392	.33	.35	4.00	124.4	23.38
Utah	409	11,452	.40	.35	9.51	127.4	29.18
Washington	4,637	7,890	.74	.94	15.53	141.0	22.25
Imported	6	9,806	.48	.49	12.80	178.0	34.91

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, 1994 (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)
West Virginia	**30,978**	**12,468**	**1.87**	**1.49**	**11.50**	**139.2**	**34.70**
Kentucky	539	12,581	.88	.70	8.43	182.6	45.93
Maryland	1,814	12,651	1.74	1.37	13.10	129.9	32.87
Ohio	725	12,529	4.15	3.31	9.37	94.2	23.62
Pennsylvania	1,120	12,255	2.56	2.10	11.93	109.5	26.85
West Virginia	26,780	12,461	1.81	1.44	11.49	141.4	35.23
Wisconsin	**19,641**	**9,565**	**.51**	**.51**	**6.27**	**120.9**	**23.13**
Colorado	203	12,645	.42	.33	12.04	150.0	37.95
Illinois	900	11,732	1.46	1.25	6.98	137.1	32.18
Indiana	511	11,165	2.10	1.88	9.10	195.9	43.74
Kentucky	121	13,015	.88	.68	7.49	171.3	44.60
Montana	1,709	8,951	.57	.65	6.95	142.9	25.57
New Mexico	1,652	12,339	.47	.38	12.21	154.6	38.14
Pennsylvania	826	13,168	1.50	1.14	6.63	148.0	38.99
Utah	32	12,749	.48	.37	7.34	161.2	41.10
Virginia	62	13,991	.65	.47	4.22	161.9	45.30
West Virginia	295	13,199	.69	.52	7.74	172.7	45.59
Wyoming	13,332	8,683	.31	.36	5.14	100.8	17.51
Wyoming	**25,624**	**8,766**	**.52**	**.59**	**8.00**	**80.3**	**14.09**
Wyoming	25,624	8,766	.52	.59	8.00	80.3	14.09
Total	**831,929**	**10,338**	**1.17**	**1.09**	**9.36**	**135.5**	**28.03**

[1] The cost of coal shown for the State of Florida is not the total cost of coal delivered to the State. For more detailed information see footnotes 4 and 5 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, 1994

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	**15,731**	**12,219**	**1.13**	**0.93**	**11.84**	**190.7**	**46.59**
Alabama	15,730	12,219	1.13	.93	11.84	190.7	46.59
Florida	2	12,241	2.87	2.34	10.00	204.1	49.97
Arizona	**11,995**	**11,183**	**.52**	**.47**	**9.52**	**109.4**	**24.46**
Arizona	7,580	11,014	.53	.48	9.04	103.6	22.82
Nevada	4,415	11,475	.51	.44	10.36	118.9	27.28
Colorado	**21,179**	**10,963**	**.46**	**.42**	**8.70**	**135.2**	**29.65**
Alabama	147	11,496	.58	.50	10.39	129.4	29.74
Arizona	40	10,627	.42	.40	8.57	97.1	20.63
Colorado	11,106	10,617	.44	.42	8.24	110.5	23.47
Florida	423	12,980	.44	.34	9.88	158.7	41.19
Georgia	11	11,290	.37	.33	9.53	165.8	37.44
Illinois	1,371	11,749	.53	.45	9.42	136.2	32.02
Indiana	396	11,435	.38	.34	7.98	151.1	34.55
Iowa	7	11,085	.53	.48	10.50	129.7	28.75
Kansas	1,148	11,143	.43	.38	10.20	115.2	25.66
Kentucky	1,175	11,598	.56	.48	9.83	123.5	28.64
Louisiana	37	11,957	.45	.38	8.01	156.4	37.40
Michigan	241	12,288	.57	.47	8.59	141.7	34.83
Mississippi	715	11,072	.43	.39	10.37	159.5	35.31
Missouri	713	11,750	.47	.40	9.60	157.4	36.99
Nebraska	56	11,934	.44	.37	7.88	112.6	26.88
Nevada	211	11,706	.48	.41	9.18	227.8	53.32
Texas	1,665	10,760	.41	.38	6.77	199.7	42.98
Utah	1,514	10,633	.47	.44	9.58	217.6	46.26
Wisconsin	203	12,645	.42	.33	12.04	150.0	37.95
Illinois	**48,308**	**11,223**	**2.50**	**2.24**	**9.31**	**143.4**	**32.18**
Alabama	1,137	11,506	2.32	2.02	8.81	126.7	29.16
Florida	5,544	11,630	2.63	2.28	8.39	173.8	40.43
Georgia	2,543	11,397	2.54	2.24	9.10	169.2	38.57
Illinois	14,314	10,839	2.77	2.56	9.81	136.8	29.66
Indiana	10,556	11,007	2.38	2.17	9.50	143.2	31.52
Iowa	1,219	11,489	2.36	2.06	9.10	132.5	30.45
Kansas	305	11,278	2.65	2.36	10.18	165.6	37.36
Kentucky	440	11,356	2.87	2.54	9.02	111.3	25.28
Michigan	51	11,954	1.46	1.24	6.59	140.4	33.57
Minnesota	94	11,990	1.31	1.10	6.43	174.0	41.72
Mississippi	1,063	12,456	2.41	1.93	8.55	131.8	32.84
Missouri	6,990	11,349	2.41	2.14	9.52	137.8	31.27
Ohio	1	9,529	2.37	2.46	6.99	153.7	29.30
Tennessee	3,151	11,726	1.99	1.70	9.00	127.6	29.92
Wisconsin	900	11,732	1.46	1.25	6.98	137.1	32.18
Indiana	**24,830**	**11,170**	**2.41**	**2.16**	**9.21**	**122.6**	**27.38**
Georgia	19	11,642	3.55	3.05	7.75	133.9	31.18
Illinois	1,221	10,863	1.35	1.24	10.01	144.8	31.45
Indiana	19,647	11,189	2.43	2.17	9.19	121.6	27.21
Iowa	351	11,572	1.96	1.70	7.53	135.1	31.28
Kentucky	2,338	11,171	2.84	2.54	9.26	99.9	22.31
Michigan	133	11,021	2.39	2.17	10.06	157.1	34.64
Minnesota	37	10,990	1.50	1.36	9.10	155.9	34.25
Missouri	535	10,933	2.90	2.65	9.08	118.7	25.95
Ohio	38	11,399	2.75	2.35	8.56	117.2	26.72
Wisconsin	511	11,165	2.10	1.88	9.10	195.9	43.74
Kansas	**355**	**11,981**	**3.45**	**2.89**	**12.62**	**128.6**	**30.82**
Kansas	81	12,538	3.07	2.45	9.82	123.5	30.98
Missouri	274	11,817	3.56	3.02	13.44	130.2	30.77
Kentucky	**126,555**	**12,225**	**1.63**	**1.37**	**9.93**	**147.5**	**36.07**
Alabama	6,125	12,002	1.83	1.54	11.22	131.3	31.52
Connecticut	809	13,080	.53	.41	7.41	177.6	46.46
Delaware	36	12,916	.59	.45	6.83	176.6	45.61
Florida	12,516	12,614	1.51	1.21	8.15	184.4	46.51
Georgia	14,403	12,472	1.10	.88	9.84	163.4	40.77
Illinois	1,351	13,021	.84	.67	6.43	160.1	41.69
Indiana	2,967	11,559	2.78	2.44	10.47	117.2	27.10

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 23. Origin and Destination of Coal by State, 1994 (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)							
Iowa	84	11,511	2.71	2.36	8.92	118.3	27.24
Kentucky	27,334	11,597	2.56	2.26	11.88	117.1	27.15
Maryland	679	12,998	.74	.57	7.68	157.0	40.81
Massachusetts	230	12,592	.67	.54	8.19	185.8	46.79
Michigan	7,029	12,689	.95	.75	8.62	166.3	42.20
Minnesota	*	11,699	1.06	.91	11.57	100.0	23.40
Mississippi	1,171	12,463	.82	.66	9.04	194.8	48.57
Missouri	952	11,640	2.92	2.53	8.02	126.6	29.46
New Jersey	251	13,158	.73	.56	7.48	202.1	53.19
New York	1,015	12,950	.58	.45	7.82	192.6	49.88
North Carolina	10,265	12,429	.98	.79	9.39	168.2	41.81
Ohio	9,824	11,935	1.01	.85	12.31	145.3	34.69
Pennsylvania	65	13,078	.63	.48	7.08	172.3	45.06
South Carolina	10,045	12,747	1.20	.94	8.78	156.1	39.80
Tennessee	15,582	12,191	2.06	1.71	8.78	125.8	30.66
Virginia	3,161	12,714	1.15	.91	9.02	145.5	37.00
West Virginia	539	12,581	.88	.70	8.43	182.6	45.93
Wisconsin	121	13,015	.88	.68	7.49	171.3	44.60
Louisiana	**3,467**	**6,890**	**.84**	**1.22**	**12.83**	**135.7**	**18.70**
Louisiana	3,467	6,890	.84	1.22	12.83	135.7	18.70
Maryland	**2,977**	**12,786**	**1.62**	**1.27**	**12.04**	**145.0**	**37.09**
Delaware	138	13,155	1.38	1.05	9.85	149.9	39.43
Maryland	1,024	12,976	1.46	1.13	10.46	170.5	44.25
West Virginia	1,814	12,651	1.74	1.37	13.10	129.9	32.87
Missouri	**381**	**11,204**	**4.12**	**3.68**	**15.84**	**110.1**	**24.68**
Kansas	357	11,266	4.13	3.67	16.13	112.1	25.26
Missouri	24	10,273	3.95	3.84	11.45	78.2	16.06
Montana	**38,869**	**9,033**	**.52**	**.59**	**6.69**	**129.1**	**23.33**
Colorado	10	8,927	.38	.43	14.66	76.2	13.60
Illinois	4,240	9,537	.36	.38	4.13	206.7	39.43
Indiana	780	9,596	.37	.39	4.17	235.9	45.28
Michigan	10,300	9,434	.39	.41	4.64	149.9	28.28
Minnesota	9,229	8,813	.64	.73	8.23	116.4	20.51
Mississippi	1,288	9,402	.40	.42	4.78	138.0	25.96
Montana	10,191	8,499	.66	.78	9.10	69.4	11.80
Nebraska	3	10,499	.41	.38	12.24	79.6	16.72
Washington	1,118	9,392	.33	.35	4.00	124.4	23.38
Wisconsin	1,709	8,951	.57	.65	6.95	142.9	25.57
New Mexico	**27,775**	**9,520**	**.67**	**.72**	**18.56**	**151.3**	**28.81**
Arizona	10,807	9,765	.50	.52	14.03	164.3	32.10
New Mexico	15,316	9,043	.82	.90	22.44	140.9	25.48
Wisconsin	1,652	12,339	.47	.38	12.21	154.6	38.14
North Dakota	**25,683**	**6,544**	**.77**	**1.17**	**9.34**	**73.5**	**9.63**
North Dakota	23,366	6,593	.75	1.14	9.39	70.4	9.28
South Dakota	2,317	6,049	.91	1.51	8.81	108.3	13.10
Ohio	**27,050**	**11,904**	**3.50**	**2.94**	**10.58**	**145.5**	**34.65**
Alabama	84	12,151	3.90	3.21	12.13	122.7	29.81
Georgia	37	12,258	4.34	3.54	10.49	163.4	40.06
Illinois	35	11,702	3.16	2.70	8.75	177.6	41.57
Indiana	248	12,115	3.98	3.27	9.87	118.6	28.75
Kentucky	433	12,138	3.57	2.92	10.40	103.8	25.20
Michigan	148	12,121	3.14	2.61	8.43	167.6	40.62
Minnesota	21	10,634	1.32	1.24	14.38	98.0	20.85
New York	109	12,610	4.18	3.32	8.91	118.9	29.99
Ohio	22,794	11,855	3.46	2.92	10.53	146.4	34.72
Pennsylvania	2,416	12,069	3.61	3.00	11.71	163.8	39.53
Tennessee	2	12,087	2.43	2.01	11.20	129.1	31.21
West Virginia	725	12,529	4.15	3.31	9.37	94.2	23.62
Oklahoma	**112**	**13,279**	**3.66**	**2.76**	**6.07**	**100.8**	**26.78**
Oklahoma	112	13,279	3.66	2.76	6.07	100.8	26.78

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 23. Origin and Destination of Coal by State, 1994 (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	**44,354**	**12,536**	**1.83**	**1.46**	**11.48**	**137.7**	**34.53**
Alabama	28	12,830	1.98	1.57	9.22	122.1	31.32
Delaware	251	13,004	1.29	.99	8.96	161.1	41.89
Florida	70	13,276	2.39	1.80	7.75	132.2	35.11
Indiana	537	13,239	2.31	1.74	7.60	114.2	30.24
Kentucky	559	13,194	2.25	1.70	7.53	108.6	28.66
Maryland	1,870	12,873	1.56	1.22	10.84	166.5	42.87
Massachusetts	409	13,135	1.47	1.12	6.55	159.6	41.93
Michigan	1,421	13,172	1.47	1.12	6.59	142.0	37.40
New Hampshire	707	13,176	1.57	1.19	6.61	156.5	41.25
New Jersey	2	13,238	1.89	1.43	7.10	215.1	56.95
New York	4,561	12,839	1.68	1.31	8.38	136.6	35.08
Ohio	2,554	12,839	1.91	1.49	8.41	120.9	31.05
Pennsylvania	28,962	12,339	1.84	1.50	13.07	138.5	34.17
Tennessee	478	12,939	2.73	2.11	8.09	118.2	30.58
West Virginia	1,120	12,255	2.56	2.10	11.93	109.5	26.85
Wisconsin	826	13,168	1.50	1.14	6.63	148.0	38.99
Tennessee	**1,597**	**12,714**	**1.27**	**.99**	**9.46**	**140.3**	**35.67**
Alabama	543	12,406	.86	.70	12.72	127.7	31.69
Florida	276	12,628	1.14	.91	7.43	215.3	54.38
Kentucky	121	13,077	2.48	1.90	10.71	116.6	30.49
Tennessee	656	12,940	1.43	1.11	7.40	123.8	32.05
Texas	**49,364**	**6,303**	**1.04**	**1.69**	**16.22**	**105.2**	**13.26**
Texas	49,364	6,303	1.04	1.69	16.22	105.2	13.26
Utah	**16,645**	**11,618**	**.47**	**.40**	**9.93**	**112.8**	**26.21**
Alabama	88	11,730	.69	.58	9.34	129.5	30.38
Illinois	235	11,856	.42	.36	7.54	134.1	31.80
Indiana	210	11,821	.45	.38	8.46	169.0	39.95
Kentucky	366	11,767	.59	.50	7.72	123.5	29.06
Missouri	451	11,896	.44	.37	8.53	126.1	30.00
Nevada	1,989	11,660	.46	.39	8.76	161.8	37.73
Oregon	100	11,264	.37	.33	8.73	109.5	24.67
Tennessee	27	11,821	.58	.50	7.76	129.1	30.51
Utah	12,739	11,593	.47	.41	10.33	102.2	23.70
Washington	409	11,452	.40	.35	9.51	127.4	29.18
Wisconsin	32	12,749	.48	.37	7.34	161.2	41.10
Virginia	**16,414**	**12,801**	**1.04**	**.82**	**10.15**	**160.4**	**41.06**
Alabama	137	12,429	1.29	1.03	11.50	160.6	39.91
Delaware	85	13,082	.80	.62	7.78	175.4	45.89
Florida	798	12,345	.71	.57	9.58	214.2	52.89
Georgia	2,504	12,899	1.18	.92	9.66	180.4	46.53
Indiana	75	13,715	.68	.50	6.37	157.8	43.27
Kentucky	35	13,801	.93	.67	6.00	175.0	48.31
Maryland	88	13,796	.69	.50	5.37	179.9	49.64
Michigan	368	13,317	.89	.67	7.43	178.8	47.61
New Jersey	688	14,046	.79	.56	4.73	179.8	50.50
North Carolina	4,459	12,534	1.08	.86	11.18	166.3	41.69
Ohio	17	13,474	.74	.55	4.28	136.5	36.78
South Carolina	1,072	13,002	1.33	1.03	9.70	153.9	40.02
Tennessee	1,140	12,643	1.39	1.10	11.06	124.0	31.36
Virginia	4,885	12,799	.91	.71	10.67	141.0	36.10
Wisconsin	62	13,991	.65	.47	4.22	161.9	45.30
Washington	**4,637**	**7,890**	**.74**	**.94**	**15.53**	**141.0**	**22.25**
Washington	4,637	7,890	.74	.94	15.53	141.0	22.25
West Virginia	**92,647**	**12,507**	**1.49**	**1.19**	**10.68**	**150.5**	**37.64**
Alabama	2,903	12,041	.90	.75	12.16	144.0	34.69
Connecticut	54	13,306	.64	.48	6.97	173.8	46.25
Delaware	1,750	12,932	.85	.65	9.20	162.1	41.93
Florida	2,157	12,692	1.47	1.14	9.20	172.7	43.84
Georgia	4,373	12,535	.72	.58	10.10	194.4	48.73
Illinois	243	12,941	.69	.53	7.84	167.2	43.28
Indiana	2,353	12,357	2.14	1.75	11.22	127.1	31.42
Kentucky	3,499	12,385	.86	.69	10.67	119.9	29.70

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, 1994 (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)
West Virginia (Continued)							
Maryland	5,874	12,754	1.04	0.81	9.89	148.6	37.91
Massachusetts	2,428	12,835	.96	.74	8.59	171.5	44.02
Michigan	6,190	12,533	.93	.74	10.51	156.1	39.14
Minnesota	5	12,443	1.34	1.07	8.40	183.7	45.71
Mississippi	62	12,392	.94	.76	10.43	151.5	37.55
Missouri	2	12,958	.92	.71	10.22	225.9	58.54
New Hampshire	272	13,253	2.34	1.76	7.50	147.8	39.17
New Jersey	1,152	12,970	1.72	1.33	9.07	178.7	46.36
New York	2,559	13,191	2.09	1.58	7.30	142.7	37.66
North Carolina	6,579	12,317	.81	.65	11.04	169.6	41.78
Ohio	14,082	12,311	1.53	1.25	11.03	143.6	35.35
Pennsylvania	7,385	12,570	2.71	2.18	10.50	154.0	38.73
South Carolina	71	12,765	.93	.73	10.23	167.0	42.63
Tennessee	353	12,218	1.72	1.40	12.56	121.3	29.64
Virginia	1,224	12,861	.88	.68	9.14	159.3	40.97
West Virginia	26,780	12,461	1.81	1.44	11.49	141.4	35.23
Wisconsin	295	13,199	.69	.52	7.74	172.7	45.59
Wyoming	**226,038**	**8,634**	**.36**	**.41**	**5.42**	**119.0**	**20.55**
Alabama	238	8,460	.28	.33	4.49	119.0	20.14
Arkansas	11,847	8,707	.32	.37	4.92	160.3	27.91
Colorado	5,126	8,494	.31	.37	4.67	92.4	15.70
Florida	118	8,746	.28	.33	5.12	131.6	23.01
Georgia	4,831	8,617	.35	.40	5.08	151.4	26.10
Illinois	9,927	8,707	.30	.35	4.97	189.2	32.94
Indiana	15,772	8,813	.34	.38	5.05	118.3	20.85
Iowa	15,345	8,488	.38	.45	5.24	94.1	15.98
Kansas	15,762	8,404	.35	.42	4.95	99.2	16.67
Louisiana	9,734	8,538	.40	.47	5.25	158.9	27.13
Michigan	5,497	8,809	.29	.33	5.07	114.3	20.14
Minnesota	8,382	8,777	.26	.29	4.86	109.9	19.30
Missouri	17,308	8,742	.30	.35	5.06	90.4	15.81
Montana	119	8,551	.33	.38	4.90	64.2	10.98
Nebraska	8,835	8,549	.34	.40	5.15	76.2	13.02
Nevada	1,012	9,676	.51	.53	7.79	204.8	39.63
Oklahoma	17,079	8,542	.33	.39	5.06	102.1	17.44
Oregon	2,123	8,828	.37	.42	5.75	107.2	18.92
Texas	38,027	8,531	.35	.41	5.16	159.9	27.29
Wisconsin	13,332	8,683	.31	.36	5.14	100.8	17.51
Wyoming	25,624	8,766	.52	.59	8.00	80.3	14.09
Imported	**4,965**	**12,013**	**.65**	**.53**	**6.49**	**153.5**	**36.87**
Delaware	22	12,370	.58	.47	5.98	168.2	41.61
Florida	3,045	11,871	.68	.57	6.84	151.7	36.01
Georgia	39	12,163	.99	.81	7.77	182.7	44.44
Louisiana	169	9,702	.10	.11	1.20	166.8	32.36
Maryland	88	12,379	.66	.53	7.36	147.3	36.46
Massachusetts	1,060	12,691	.66	.52	6.57	158.6	40.26
Michigan	57	11,005	.23	.21	10.28	149.9	32.99
New Hampshire	276	12,446	.58	.47	4.74	144.9	36.07
New Jersey	23	12,870	.68	.53	6.90	166.9	42.96
North Carolina	27	12,200	.70	.57	9.00	145.5	35.50
Texas	153	11,929	.55	.46	5.03	148.9	35.51
Washington	6	9,806	.48	.49	12.80	178.0	34.91
Total	**831,929**	**10,338**	**1.17**	**1.09**	**9.36**	**135.5**	**28.03**

* = 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, 1994

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	**1,472**	**12,113**	**1.29**	**1.07**	**11.79**	**144.2**	**34.94**
Alabama	899	12,067	1.34	1.11	12.18	144.3	34.82
Fayette	143	12,012	1.72	1.43	11.90	136.7	32.84
Jackson	137	12,203	1.72	1.41	11.92	144.9	35.37
Jefferson	517	12,099	1.17	.97	11.93	147.3	35.63
Tuscaloosa	66	11,930	1.35	1.13	14.61	137.1	32.71
Walker	35	11,540	.80	.69	13.31	142.2	32.81
Kentucky	312	11,993	1.37	1.15	10.93	149.2	35.78
Bell	78	12,598	.98	.78	9.49	158.2	39.86
Floyd	54	11,803	1.32	1.12	11.00	145.6	34.36
Knott	54	11,883	1.59	1.34	11.76	147.7	35.10
Lawrence	126	11,749	1.52	1.30	11.43	145.4	34.18
West Virginia	261	12,414	1.02	.82	11.50	138.2	34.32
Kanawha	261	12,414	1.02	.82	11.50	138.2	34.32
Alabama Power Co Barry1	**2,012**	**12,305**	**.87**	**.71**	**10.58**	**187.0**	**46.01**
Alabama	1,484	12,357	.87	.70	10.27	199.7	49.35
Jefferson	175	12,387	.78	.63	10.60	169.7	42.04
Tuscaloosa	497	12,433	.92	.74	9.69	245.9	61.15
Walker	812	12,305	.86	.70	10.55	177.5	43.69
Kentucky	36	11,633	.82	.71	11.32	146.8	34.15
Pike	36	11,633	.82	.71	11.32	146.8	34.15
West Virginia	491	12,196	.88	.72	11.47	151.0	36.83
Boone	186	12,515	1.03	.82	10.04	160.4	40.16
Fayette	271	11,963	.79	.66	12.47	144.6	34.60
Kanawha	35	12,301	.77	.63	11.38	147.9	36.39
Alabama Power Co Gadsden	**123**	**12,629**	**1.86**	**1.47**	**11.84**	**186.4**	**47.08**
Alabama	123	12,629	1.86	1.47	11.84	186.4	47.08
Jefferson	123	12,629	1.86	1.47	11.84	186.4	47.08
Alabama Power Co Gaston	**3,941**	**12,047**	**1.42**	**1.17**	**12.15**	**169.5**	**40.85**
Alabama	2,149	12,090	1.83	1.52	12.45	181.8	43.95
Fayette	1,267	11,986	1.83	1.53	12.38	192.7	46.19
Jefferson	385	12,280	1.73	1.41	12.75	174.2	42.79
Tuscaloosa	119	12,431	.67	.54	10.36	227.3	56.51
Walker	377	12,135	2.30	1.90	13.03	138.5	33.62
Kentucky	416	12,152	1.08	.89	10.95	148.1	36.00
Bell	*	12,235	.94	.77	8.50	90.4	22.12
Breathitt	93	12,043	1.18	.98	11.15	149.3	35.95
Jackson	85	11,899	.92	.77	10.23	152.7	36.34
Leslie	55	12,987	1.07	.83	8.04	148.7	38.63
Letcher	30	12,511	.82	.66	8.60	152.1	38.06
Perry	151	11,984	1.17	.98	12.74	143.9	34.50
Pike	2	12,143	1.67	1.38	12.10	135.5	32.91
Virginia	137	12,429	1.29	1.03	11.50	160.6	39.91
Wise	137	12,429	1.29	1.03	11.50	160.6	39.91
West Virginia	1,239	11,895	.82	.69	12.11	156.4	37.20
Lincoln	1,161	11,874	.83	.70	12.08	156.4	37.15
Logan	78	12,215	.63	.52	12.61	155.0	37.87
Alabama Power Co Gorgas1	**4,782**	**11,949**	**1.45**	**1.21**	**13.20**	**162.1**	**38.73**
Alabama	4,782	11,949	1.45	1.21	13.20	162.1	38.73
Fayette	*	12,341	1.80	1.46	11.50	126.1	31.12
Jefferson	1,790	12,084	1.76	1.46	13.24	166.1	40.13
Marion	46	11,252	1.26	1.12	14.55	119.9	26.99
Tuscaloosa	524	11,914	1.97	1.65	13.22	125.4	29.88
Walker	2,240	11,884	1.11	.93	13.17	169.2	40.22
Winston	181	11,702	1.23	1.05	12.70	150.0	35.11
Alabama Power Co Greene	**1,496**	**12,205**	**1.44**	**1.18**	**12.09**	**141.2**	**34.46**
Alabama	399	11,953	1.53	1.28	12.60	156.8	37.48
Jefferson	314	12,017	1.41	1.17	12.59	163.3	39.25
Walker	86	11,719	1.97	1.68	12.64	132.2	30.98
Kentucky	1,040	12,291	1.42	1.16	11.95	135.4	33.29
Pike	936	12,314	1.34	1.09	11.95	136.0	33.50
Webster	104	12,083	2.12	1.75	11.98	129.9	31.39

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, 1994 (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)
Alabama Power Co Greene							
West Virginia	57	12,416	1.29	1.04	11.03	139.0	34.52
Fayette	57	12,416	1.29	1.04	11.03	139.0	34.52
Alabama Power Co James Miller	**6,177**	**12,326**	**.59**	**.47**	**10.58**	**219.6**	**54.13**
Alabama	5,893	12,482	.60	.48	10.81	222.9	55.65
Jefferson	3,051	12,616	.55	.44	10.55	196.7	49.63
Tuscaloosa	1,555	12,533	.65	.52	10.06	225.6	56.56
Walker	1,288	12,103	.64	.53	12.33	284.3	68.82
Kentucky	9	12,464	.69	.55	8.90	158.7	39.56
Knott	9	12,464	.69	.55	8.90	158.7	39.56
West Virginia	36	12,280	.64	.52	12.94	141.0	34.63
Logan	36	12,280	.64	.52	12.94	141.0	34.63
Wyoming	238	8,460	.28	.33	4.49	119.0	20.14
Campbell	238	8,460	.28	.33	4.49	119.0	20.14
American Mun Power Ohio Inc Richard Gorsuch	**766**	**11,550**	**4.78**	**4.14**	**14.74**	**90.9**	**21.00**
Ohio	766	11,550	4.78	4.14	14.74	90.9	21.00
Noble	766	11,550	4.78	4.14	14.74	90.9	21.00
Ames City of Ames	**218**	**8,729**	**.20**	**.23**	**4.49**	**139.0**	**24.27**
Wyoming	218	8,729	.20	.23	4.49	139.0	24.27
Campbell	218	8,729	.20	.23	4.49	139.0	24.27
Appalachian Power Co Amos	**5,640**	**12,354**	**.79**	**.64**	**11.29**	**172.7**	**42.66**
West Virginia	5,640	12,354	.79	.64	11.29	172.7	42.66
Boone	4,608	12,383	.80	.64	11.11	176.1	43.61
Kanawha	28	12,306	.83	.67	13.05	107.0	26.34
Logan	1,004	12,222	.77	.63	12.05	158.5	38.75
Appalachian Power Co Clinch River	**1,809**	**12,480**	**.70**	**.56**	**13.32**	**128.1**	**31.96**
Virginia	1,809	12,480	.70	.56	13.32	128.1	31.96
Buchanan	262	12,425	.66	.53	13.09	111.2	27.64
Dickenson	669	12,439	.71	.57	13.67	135.2	33.64
Lee	22	12,202	.96	.78	12.32	115.4	28.16
Russell	727	12,475	.69	.55	13.80	129.3	32.25
Wise	129	12,886	.83	.64	9.39	120.5	31.07
Appalachian Power Co Glen Lyn	**699**	**12,883**	**.89**	**.69**	**9.62**	**139.0**	**35.82**
Virginia	699	12,883	.89	.69	9.62	139.0	35.82
Buchanan	201	12,543	.87	.69	11.07	131.9	33.09
Russell	9	12,601	.72	.57	12.62	134.5	33.89
Wise	489	13,028	.90	.69	8.97	141.9	36.98
Appalachian Power Co Kanawha River	**360**	**12,554**	**.76**	**.61**	**11.31**	**167.5**	**42.05**
West Virginia	360	12,554	.76	.61	11.31	167.5	42.05
Fayette	36	12,554	.76	.61	11.32	167.5	42.05
Kanawha	324	12,554	.76	.61	11.31	167.5	42.05
Appalachian Power Co Mountaineer	**3,002**	**12,339**	**.67**	**.54**	**11.15**	**153.7**	**37.93**
West Virginia	3,002	12,339	.67	.54	11.15	153.7	37.93
Boone	1,487	12,492	.69	.55	11.08	178.1	44.50
Clay	5	11,761	.66	.56	13.50	140.1	32.95
Kanawha	282	12,337	.67	.54	12.31	114.4	28.23
Logan	777	12,218	.66	.54	11.53	132.6	32.40
Wayne	452	12,049	.62	.51	9.95	132.4	31.91
Arizona Electric Pwr Coop Inc Apache	**1,322**	**10,069**	**.43**	**.43**	**12.26**	**130.9**	**26.37**
Colorado	40	10,627	.42	.40	8.57	97.1	20.63
Moffat	40	10,627	.42	.40	8.57	97.1	20.63
New Mexico	1,282	10,052	.43	.43	12.37	132.1	26.55
Mckinley	1,282	10,052	.43	.43	12.37	132.1	26.55
Arizona Public Service Co Cholla	**3,555**	**9,993**	**.43**	**.43**	**12.67**	**152.6**	**30.50**
New Mexico	3,555	9,993	.43	.43	12.67	152.6	30.50
Mckinley	3,555	9,993	.43	.43	12.67	152.6	30.50
Arizona Public Service Co Four Corners	**8,409**	**8,733**	**.79**	**.91**	**22.21**	**118.8**	**20.74**

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, 1994 (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)
Arizona Public Service Co Four Corners							
New Mexico	8,409	8,733	0.79	0.91	22.21	118.8	20.74
San Juan	8,409	8,733	.79	.91	22.21	118.8	20.74
Arkansas Power & Light Co Independence	**4,764**	**8,837**	**.25**	**.28**	**4.60**	**141.2**	**24.95**
Wyoming	4,764	8,837	.25	.28	4.60	141.2	24.95
Campbell	4,764	8,837	.25	.28	4.60	141.2	24.95
Arkansas Power & Light Co Whitebluff	**5,401**	**8,706**	**.38**	**.43**	**5.33**	**178.4**	**31.06**
Wyoming	5,401	8,706	.38	.43	5.33	178.4	31.06
Campbell	5,401	8,706	.38	.43	5.33	178.4	31.06
Associated Electric Coop Inc Hill	**1,984**	**8,684**	**.20**	**.23**	**4.57**	**90.2**	**15.66**
Wyoming	1,984	8,684	.20	.23	4.57	90.2	15.66
Campbell	1,984	8,684	.20	.23	4.57	90.2	15.66
Associated Electric Coop Inc Madrid	**3,202**	**10,349**	**1.99**	**1.79**	**7.26**	**115.7**	**23.95**
Illinois	662	11,017	2.83	2.57	9.25	123.2	27.15
Perry	209	11,126	3.16	2.84	9.15	125.1	27.85
Randolph	418	10,872	2.73	2.51	9.32	123.3	26.81
Saline	34	12,127	2.05	1.68	8.93	111.4	27.02
Indiana	528	10,940	2.93	2.67	9.05	118.4	25.91
Warrick	528	10,940	2.93	2.67	9.05	118.4	25.91
Kentucky	904	11,534	3.03	2.63	8.09	121.3	27.98
Muhlenberg	904	11,534	3.03	2.63	8.09	121.3	27.98
Wyoming	1,109	8,702	.20	.23	4.54	102.3	17.81
Campbell	1,109	8,702	.20	.23	4.54	102.3	17.81
Atlantic City Electric Co Deepwater	**191**	**12,799**	**.82**	**.64**	**10.34**	**179.2**	**45.88**
Pennsylvania	2	13,238	1.89	1.43	7.10	215.1	56.95
Greene	2	13,238	1.89	1.43	7.10	215.1	56.95
West Virginia	189	12,794	.81	.63	10.38	178.8	45.76
Webster	189	12,794	.81	.63	10.38	178.8	45.76
Atlantic City Electric Co England	**645**	**12,953**	**2.43**	**1.88**	**9.45**	**167.7**	**43.45**
West Virginia	645	12,953	2.43	1.88	9.45	167.7	43.45
Barbour	260	12,974	2.44	1.88	9.88	168.2	43.65
Marion	111	13,039	2.36	1.81	8.59	168.1	43.84
Monongalia	21	13,250	2.05	1.55	6.54	149.4	39.59
Nicholas	22	13,101	2.39	1.82	9.80	166.2	43.55
Upshur	230	12,847	2.50	1.94	9.63	168.8	43.38
Baltimore Gas & Electric Co Crane	**708**	**13,262**	**1.83**	**1.38**	**7.28**	**148.6**	**39.41**
Kentucky	15	13,264	1.42	1.07	6.19	178.3	47.30
Letcher	15	13,264	1.42	1.07	6.19	178.3	47.30
Pennsylvania	14	13,337	2.07	1.55	7.60	138.5	36.94
Greene	14	13,337	2.07	1.55	7.60	138.5	36.94
Virginia	87	13,812	.68	.50	5.33	180.2	49.79
Buchanan	87	13,812	.68	.50	5.33	180.2	49.79
West Virginia	592	13,179	2.00	1.52	7.59	143.2	37.75
Barbour	389	13,168	1.96	1.49	7.81	147.2	38.75
Monongalia	196	13,205	2.09	1.59	7.15	134.3	35.46
Upshur	7	13,053	1.77	1.36	7.60	175.2	45.74
Baltimore Gas & Electric Co Brandon Shores	**3,481**	**12,587**	**.68**	**.54**	**10.20**	**150.3**	**37.85**
Kentucky	664	12,992	.72	.56	7.72	156.5	40.66
Letcher	524	13,008	.74	.57	7.62	155.1	40.36
Martin	7	12,759	.60	.47	7.00	162.8	41.54
Pike	133	12,945	.65	.51	8.12	161.4	41.78
Virginia	1	12,354	.74	.60	9.30	147.2	36.37
Unknown:ehp2	1	12,354	.74	.60	9.30	147.2	36.37
West Virginia	2,728	12,496	.67	.54	10.90	148.9	37.21
Boone	755	12,528	.71	.57	10.81	154.0	38.59
Logan	1,919	12,462	.66	.53	11.03	146.3	36.45
Mingo	47	13,183	.68	.51	7.48	167.5	44.16
Wyoming	7	13,713	.65	.47	6.00	178.3	48.90

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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)
Baltimore Gas & Electric Co Brandon Shores							
Imported	88	12,379	0.66	0.53	7.36	147.3	36.46
Imported Coal	88	12,379	.66	.53	7.36	147.3	36.46
Baltimore Gas & Electric Co Wagner	**892**	**13,014**	**.87**	**.67**	**8.74**	**146.5**	**38.14**
West Virginia	892	13,014	.87	.67	8.74	146.5	38.14
Boone	10	12,869	.80	.62	7.70	171.0	44.01
Webster	882	13,015	.87	.67	8.75	146.3	38.07
Basin Electric Power Coop Laramie River	**7,420**	**8,270**	**.37**	**.45**	**4.93**	**51.3**	**8.48**
Wyoming	7,420	8,270	.37	.45	4.93	51.3	8.48
Campbell	7,420	8,270	.37	.45	4.93	51.3	8.48
Basin Electric Power Coop Antelope Valley	**5,102**	**6,656**	**.57**	**.85**	**9.10**	**67.1**	**8.93**
North Dakota	5,102	6,656	.57	.85	9.10	67.1	8.93
Mercer	5,102	6,656	.57	.85	9.10	67.1	8.93
Basin Electric Power Coop Leland Olds	**3,124**	**6,676**	**.63**	**.94**	**8.59**	**71.9**	**9.59**
North Dakota	3,124	6,676	.63	.94	8.59	71.9	9.59
Mercer	3,124	6,676	.63	.94	8.59	71.9	9.59
Big Rivers Electric Corp D B Wilson	**1,261**	**11,826**	**3.33**	**2.81**	**10.54**	**146.8**	**34.73**
Kentucky	1,261	11,826	3.33	2.81	10.54	146.8	34.73
Hopkins	1,020	11,819	3.20	2.71	10.27	153.9	36.39
Webster	241	11,857	3.87	3.26	11.70	116.7	27.68
Big Rivers Electric Corp R D Green	**1,470**	**10,633**	**3.78**	**3.63**	**15.58**	**127.0**	**27.02**
Indiana	61	11,063	3.25	2.93	10.65	88.6	19.61
Pike	18	11,380	3.68	3.24	10.61	93.3	21.23
Warrick	43	10,929	3.06	2.80	10.67	86.5	18.92
Kentucky	1,409	10,614	3.80	3.66	15.79	128.8	27.34
Daviess	43	10,540	3.56	3.38	12.57	86.1	18.15
Henderson	959	10,017	4.27	4.27	17.44	125.5	25.15
Hopkins	4	11,480	2.18	1.90	11.50	91.9	21.10
Webster	403	12,035	2.72	2.26	12.26	139.6	33.60
Big Rivers Electric Corp Coleman	**1,184**	**11,652**	**2.20**	**1.90**	**8.63**	**105.1**	**24.48**
Indiana	365	11,277	2.09	1.86	8.57	102.7	23.17
Daviess	97	11,318	2.11	1.86	8.28	100.3	22.71
Knox	17	11,493	1.43	1.24	10.77	121.0	27.82
Pike	15	11,226	2.47	2.20	8.30	91.1	20.45
Spencer	120	11,256	1.96	1.75	8.09	104.4	23.51
Warrick	115	11,239	2.26	2.02	9.02	101.8	22.88
Kentucky	572	11,275	2.31	2.06	9.11	105.1	23.70
Daviess	52	11,055	2.37	2.14	9.47	104.2	23.03
Floyd	45	11,923	1.53	1.29	11.80	122.0	29.08
Henderson	399	11,154	2.56	2.29	8.66	99.9	22.29
Lawrence	15	11,973	1.44	1.20	11.28	123.3	29.52
Martin	16	11,974	1.44	1.20	11.27	123.3	29.52
Ohio	37	11,477	1.40	1.22	7.50	119.7	27.48
Perry	6	11,383	1.37	1.20	13.30	124.2	28.29
Pike	1	11,691	1.46	1.25	13.10	124.5	29.11
Ohio	12	11,027	2.23	2.02	14.10	109.9	24.24
Belmont	12	11,027	2.23	2.02	14.10	109.9	24.24
Pennsylvania	148	13,215	2.10	1.59	7.60	108.9	28.79
Greene	148	13,215	2.10	1.59	7.60	108.9	28.79
West Virginia	87	13,137	2.07	1.57	6.79	106.0	27.86
Kanawha	9	11,511	1.43	1.24	10.96	121.3	27.93
Monongalia	78	13,326	2.14	1.61	6.31	104.5	27.85
Big Rivers Electric Corp Reid-Henderson II	**893**	**12,149**	**2.69**	**2.22**	**9.24**	**119.7**	**29.08**
Indiana	5	11,115	2.39	2.15	9.10	94.0	20.90
Pike	5	11,115	2.39	2.15	9.10	94.0	20.90
Kentucky	888	12,155	2.69	2.22	9.24	119.8	29.12
Henderson	284	11,149	2.54	2.28	8.55	94.3	21.02
Hopkins	22	11,912	2.74	2.30	8.61	118.3	28.19
Webster	582	12,655	2.77	2.19	9.60	130.8	33.11

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, 1994 (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)
Cajun Electric Power Coop Inc Big Cajun No.2	**5,795**	**8,502**	**0.35**	**0.42**	**4.84**	**152.8**	**25.97**
Colorado	37	11,957	.45	.38	8.01	156.4	37.40
Gunnison	37	11,957	.45	.38	8.01	156.4	37.40
Wyoming	5,588	8,442	.36	.43	4.93	152.2	25.70
Campbell	5,588	8,442	.36	.43	4.93	152.2	25.70
Imported	169	9,702	.10	.11	1.20	166.8	32.36
Imported Coal	169	9,702	.10	.11	1.20	166.8	32.36
Cardinal Operating Co Cardinal	**4,261**	**12,115**	**2.15**	**1.78**	**11.58**	**160.1**	**38.80**
Kentucky	206	12,182	.68	.56	10.98	135.3	32.97
Floyd	19	12,248	.68	.55	12.18	134.7	32.99
Knott	51	12,143	.69	.57	10.26	135.7	32.96
Magoffin	64	12,143	.69	.57	10.26	135.7	32.96
Perry	13	12,141	.69	.57	10.26	135.7	32.95
Pike	58	12,248	.68	.55	12.18	134.7	32.99
Ohio	1,349	11,941	2.95	2.47	12.26	144.4	34.49
Belmont	609	11,694	3.04	2.60	13.05	120.6	28.21
Gallia	1	11,149	3.34	3.00	10.10	123.6	27.56
Harrison	666	12,159	2.84	2.33	11.54	166.9	40.60
Jackson	1	11,149	3.34	3.00	10.10	123.6	27.56
Jefferson	70	12,041	3.30	2.74	12.46	130.4	31.40
Vinton	1	11,149	3.34	3.00	10.10	123.6	27.56
West Virginia	2,707	12,197	1.86	1.53	11.28	169.7	41.39
Boone	13	12,208	.69	.57	10.91	133.2	32.51
Brooke	1,212	12,198	3.27	2.68	9.94	180.6	44.05
Kanawha	1,258	12,225	.72	.59	12.37	162.8	39.80
Logan	200	12,031	.65	.54	12.49	154.9	37.27
Marshall	6	11,595	3.72	3.21	14.10	87.2	20.22
Mingo	19	12,211	.69	.57	10.91	133.2	32.53
Carolina Power & Light Co Asheville	**968**	**12,831**	**1.19**	**.93**	**10.47**	**128.0**	**32.84**
Kentucky	54	12,620	1.35	1.07	9.02	141.8	35.79
Harlan	49	12,657	1.36	1.07	9.07	139.1	35.22
Martin	5	12,250	1.23	1.00	8.50	170.1	41.67
Virginia	914	12,843	1.18	.92	10.55	127.2	32.66
Wise	914	12,843	1.18	.92	10.55	127.2	32.66
Carolina Power & Light Co Cape Fear	**549**	**12,745**	**1.07**	**.84**	**8.93**	**186.1**	**47.43**
Kentucky	447	12,748	1.05	.83	8.85	192.6	49.10
Harlan	111	12,553	1.16	.92	9.96	158.3	39.75
Knott	51	12,925	1.23	.95	8.65	166.7	43.10
Letcher	9	12,614	.99	.78	10.70	159.0	40.11
Martin	266	12,820	.98	.77	8.23	214.5	54.99
Pike	10	12,228	1.01	.83	12.29	144.2	35.26
Virginia	*	12,000	1.00	.83	12.00	132.7	31.85
Wise	*	12,000	1.00	.83	12.00	132.7	31.85
West Virginia	102	12,729	1.12	.88	9.27	157.5	40.10
Boone	32	12,635	.99	.78	10.96	165.2	41.73
Fayette	9	12,569	.81	.65	8.90	152.2	38.26
Mingo	61	12,802	1.23	.96	8.44	154.3	39.52
Carolina Power & Light Co Lee	**357**	**12,785**	**1.05**	**.82**	**9.24**	**196.1**	**50.14**
Kentucky	255	12,850	1.04	.81	8.37	211.2	54.27
Floyd	9	12,604	.88	.70	8.70	157.8	39.78
Letcher	8	12,504	.96	.77	9.40	158.6	39.66
Martin	224	12,895	1.03	.80	8.19	218.3	56.31
Pike	15	12,505	1.29	1.04	10.40	158.8	39.73
West Virginia	101	12,620	1.08	.85	11.43	157.5	39.76
Boone	50	12,358	.96	.78	13.39	161.3	39.86
Logan	16	12,518	.89	.71	11.00	155.3	38.88
Mingo	36	13,029	1.32	1.02	8.90	153.5	40.01
Carolina Power & Light Co Mayo	**1,518**	**12,033**	**.66**	**.55**	**11.74**	**190.6**	**45.87**
Kentucky	19	12,250	.70	.57	7.40	167.0	40.91
Martin	19	12,250	.70	.57	7.40	167.0	40.91

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, 1994 (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							
West Virginia	1,498	12,030	0.66	0.55	11.80	190.9	45.94
Mingo	1,498	12,030	.66	.55	11.80	190.9	45.94
Carolina Power & Light Co Robinson	**299**	**12,708**	**1.17**	**.92**	**9.40**	**180.1**	**45.77**
Kentucky	246	12,715	1.21	.95	9.13	182.0	46.28
Bell	14	12,643	1.26	1.00	10.00	155.4	39.29
Clay	29	12,531	1.69	1.35	9.69	159.2	39.91
Harlan	54	12,859	1.15	.89	9.22	157.5	40.50
Knott	30	12,857	1.21	.94	8.92	170.5	43.83
Letcher	29	12,553	1.13	.90	9.80	163.4	41.02
Martin	77	12,810	1.04	.81	8.04	228.7	58.59
Perry	8	12,259	1.19	.97	10.80	156.6	38.40
Pike	5	11,815	1.97	1.67	13.80	149.0	35.21
Virginia	2	13,424	1.15	.86	7.35	163.5	43.90
Dickenson	2	13,506	1.16	.86	7.00	162.6	43.92
Wise	*	12,608	1.03	.82	10.90	173.1	43.65
West Virginia	51	12,643	.99	.78	10.79	171.4	43.34
Boone	49	12,625	.98	.77	10.94	171.8	43.38
Mingo	2	13,111	1.27	.97	7.00	161.7	42.40
Carolina Power & Light Co Roxboro	**5,367**	**12,422**	**.88**	**.71**	**10.11**	**175.6**	**43.63**
Kentucky	2,108	12,589	.95	.75	8.29	185.3	46.67
Harlan	10	12,403	1.19	.96	10.80	146.2	36.27
Martin	2,058	12,588	.95	.76	8.29	186.4	46.92
Pike	40	12,724	.72	.57	7.84	142.5	36.25
Virginia	10	12,512	1.38	1.10	11.70	146.4	36.64
Wise	10	12,512	1.38	1.10	11.70	146.4	36.64
West Virginia	3,249	12,313	.84	.68	11.28	169.3	41.68
Boone	1,382	12,316	.88	.71	12.41	160.0	39.40
Logan	31	12,709	1.01	.79	10.90	144.9	36.84
Mingo	1,816	12,303	.81	.65	10.47	176.8	43.50
Carolina Power & Light Co Sutton	**572**	**12,576**	**1.03**	**.82**	**9.97**	**162.3**	**40.82**
Kentucky	373	12,646	1.12	.88	9.29	159.5	40.34
Bell	61	12,602	1.29	1.02	9.79	154.5	38.93
Floyd	59	12,459	.85	.68	8.73	160.2	39.91
Harlan	155	12,807	1.16	.90	8.92	159.7	40.90
Knott	27	12,913	1.04	.80	8.57	174.6	45.10
Letcher	44	12,393	.99	.80	10.59	159.7	39.59
Perry	9	11,936	1.49	1.25	11.40	154.9	36.98
Pike	18	12,598	1.33	1.06	9.40	151.4	38.14
Virginia	10	12,866	1.09	.84	9.06	174.2	44.81
Dickenson	7	12,954	1.03	.80	8.60	174.9	45.31
Wise	3	12,628	1.24	.98	10.30	172.1	43.46
West Virginia	162	12,458	.88	.71	11.77	170.7	42.54
Boone	162	12,458	.88	.71	11.77	170.7	42.54
Imported	27	12,200	.70	.57	9.00	145.5	35.50
Imported Coal	27	12,200	.70	.57	9.00	145.5	35.50
Carolina Power & Light Co Weatherspoon	**119**	**12,708**	**1.02**	**.81**	**9.02**	**169.7**	**43.12**
Kentucky	119	12,708	1.02	.81	9.02	169.7	43.12
Harlan	90	12,708	1.03	.81	9.23	160.6	40.82
Martin	15	12,845	1.04	.81	8.28	233.1	59.87
Perry	7	12,398	1.02	.82	9.70	152.4	37.79
Pike	7	12,735	.87	.68	7.40	163.4	41.62
Cedar Falls City of Streeter	**42**	**11,375**	**2.60**	**2.31**	**9.23**	**139.8**	**31.80**
Illinois	39	11,291	2.69	2.40	9.19	138.4	31.26
Franklin	12	11,900	1.98	1.66	7.80	139.2	33.13
Perry	27	11,025	3.00	2.72	9.80	138.0	30.44
Kentucky	3	12,600	1.28	1.02	9.80	157.8	39.77
Martin	3	12,600	1.28	1.02	9.80	157.8	39.77
Central Electric Pwr Coop-MO Chamois	**146**	**10,843**	**2.98**	**2.74**	**9.87**	**128.4**	**27.85**

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, 1994 (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 Electric Pwr Coop-MO Chamois							
Illinois	117	11,061	2.89	2.62	9.73	137.5	30.42
Randolph	107	11,025	2.95	2.68	9.67	131.7	29.03
Saline	10	11,449	2.24	1.96	10.45	198.0	45.33
Missouri	24	10,273	3.95	3.84	11.45	78.2	16.06
Ralls	24	10,273	3.95	3.84	11.45	78.2	16.06
Wyoming	5	8,463	.38	.44	5.52	143.6	24.30
Campbell	5	8,463	.38	.44	5.52	143.6	24.30
Central Hudson Gas & Elec Corp Danskammer	**768**	**13,084**	**.62**	**.48**	**7.72**	**190.8**	**49.93**
Kentucky	349	12,963	.58	.45	7.93	188.7	48.93
Martin	310	12,882	.58	.45	8.22	188.5	48.56
Pike	39	13,617	.61	.45	5.62	190.8	51.95
West Virginia	420	13,185	.66	.50	7.54	192.5	50.76
Mingo	420	13,185	.66	.50	7.54	192.5	50.76
Central Illinois Light Co Duck Creek	**1,108**	**10,522**	**3.46**	**3.30**	**10.02**	**179.7**	**37.83**
Illinois	1,108	10,522	3.46	3.30	10.02	179.7	37.83
Fulton	49	7,690	2.96	3.85	25.69	54.5	8.39
Logan	5	7,150	4.09	5.72	30.40	58.7	8.39
Macoupin	1,054	10,670	3.48	3.26	9.19	184.3	39.34
Central Illinois Light Co Edwards	**1,474**	**12,610**	**1.11**	**1.00**	**6.90**	**155.8**	**39.30**
Illinois	293	10,106	3.08	3.12	11.17	130.8	26.45
Fulton	143	9,775	2.77	3.00	13.07	114.7	22.43
Gallatin	9	7,499	2.82	3.76	24.60	65.6	9.84
Logan	14	10,501	3.03	2.88	9.10	114.6	24.07
Macoupin	127	10,621	3.44	3.24	8.31	152.6	32.41
Kentucky	1,025	13,280	.62	.47	5.74	159.5	42.35
Harlan	32	13,423	.58	.43	4.17	169.9	45.63
Martin	36	13,086	.59	.45	6.50	128.4	33.60
Perry	279	13,409	.72	.54	5.54	150.4	40.34
Pike	678	13,231	.58	.44	5.86	164.4	43.49
West Virginia	141	13,344	.66	.49	6.59	171.5	45.78
Boone	27	13,168	.67	.51	6.80	178.2	46.94
Mingo	100	13,370	.66	.49	6.71	168.8	45.13
Nicholas	14	13,494	.66	.49	5.30	178.5	48.17
Wyoming	15	8,832	.40	.45	5.31	120.7	21.32
Campbell	15	8,832	.40	.45	5.31	120.7	21.32
Central Illinois Pub Serv Co Grand Tower	**227**	**11,547**	**2.86**	**2.48**	**11.67**	**168.2**	**38.84**
Illinois	227	11,547	2.86	2.48	11.67	168.2	38.84
Williamson	227	11,547	2.86	2.48	11.67	168.2	38.84
Central Illinois Pub Serv Co Hutsonville	**161**	**11,049**	**2.26**	**2.04**	**10.11**	**118.6**	**26.22**
Indiana	161	11,049	2.26	2.04	10.11	118.6	26.22
Knox	12	11,116	2.25	2.02	9.90	104.7	23.28
Sullivan	149	11,044	2.26	2.04	10.12	119.7	26.44
Central Illinois Pub Serv Co Coffeen	**2,188**	**10,368**	**1.69**	**1.62**	**8.56**	**151.7**	**31.47**
Illinois	2,188	10,368	1.69	1.62	8.56	151.7	31.47
Clinton	17	10,803	3.40	3.14	8.36	156.4	33.79
Jefferson	60	10,871	2.92	2.69	10.48	145.4	31.62
Knox	43	11,069	3.01	2.72	9.52	147.6	32.68
Macoupin	2,067	10,335	1.61	1.55	8.49	152.0	31.42
Central Illinois Pub Serv Co Newton	**2,528**	**11,269**	**1.56**	**1.37**	**10.40**	**163.6**	**36.88**
Colorado	672	11,254	.42	.38	9.82	137.6	30.97
Gunnison	10	12,392	.51	.41	7.80	134.3	33.28
Las Animas	69	12,785	.46	.36	10.86	138.9	35.52
Moffat	107	10,675	.42	.39	7.60	142.2	30.37
Routt	486	11,141	.42	.38	10.20	136.5	30.41
Illinois	1,139	11,547	2.82	2.44	11.56	182.7	42.18
Wabash	50	11,251	1.52	1.35	9.90	184.7	41.56
Williamson	1,090	11,561	2.87	2.49	11.63	182.6	42.21

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, 1994 (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 Illinois Pub Serv Co Newton							
Indiana	717	10,842	0.65	0.59	9.13	156.7	33.99
Knox	436	10,913	.59	.54	8.03	155.6	33.96
Sullivan	281	10,732	.73	.67	10.83	158.5	34.03
Central Illinois Pub Serv Co Meredosia	**462**	**11,451**	**2.86**	**2.49**	**5.56**	**156.2**	**35.76**
Illinois	462	11,451	2.86	2.49	5.56	156.2	35.76
Schuyler	462	11,451	2.86	2.49	5.56	156.2	35.76
Central Iowa Power Coop Fair	**189**	**11,241**	**2.88**	**2.56**	**9.34**	**113.8**	**25.59**
Illinois	49	10,950	2.99	2.73	10.33	109.7	24.03
Perry	49	10,950	2.99	2.73	10.33	109.7	24.03
Indiana	61	11,189	2.91	2.60	9.02	115.7	25.90
Spencer	44	11,217	2.98	2.65	9.15	114.8	25.75
Warrick	17	11,118	2.76	2.48	8.70	118.1	26.26
Kentucky	79	11,462	2.79	2.43	8.97	114.8	26.32
Henderson	71	11,412	2.71	2.37	8.75	115.0	26.25
Mclean	3	11,805	3.51	2.98	11.11	110.1	25.99
Webster	5	11,976	3.53	2.95	10.90	114.8	27.50
Central Louisiana Elec Co Inc Dolet Hills	**3,467**	**6,890**	**.84**	**1.22**	**12.83**	**135.7**	**18.70**
Louisiana	3,467	6,890	.84	1.22	12.83	135.7	18.70
De Soto	2,698	6,855	.88	1.29	12.68	136.2	18.68
Red River	769	7,011	.70	.99	13.34	133.8	18.76
Central Louisiana Elec Co Inc Rodemacher	**1,886**	**8,668**	**.45**	**.51**	**5.68**	**180.3**	**31.25**
Wyoming	1,886	8,668	.45	.51	5.68	180.3	31.25
Campbell	1,886	8,668	.45	.51	5.68	180.3	31.25
Central Operating Co Sporn	**1,139**	**12,398**	**1.29**	**1.04**	**11.77**	**144.5**	**35.84**
West Virginia	1,139	12,398	1.29	1.04	11.77	144.5	35.84
Boone	3	12,140	.90	.74	12.90	205.8	49.97
Clay	5	11,697	.75	.64	13.76	140.6	32.90
Fayette	230	12,582	1.28	1.02	11.69	123.5	31.08
Kanawha	752	12,407	1.23	.99	11.47	156.4	38.80
Monongalia	148	12,099	1.60	1.33	13.36	115.6	27.96
Central Power & Light Co Coleto Creek	**1,818**	**10,858**	**.42**	**.38**	**6.63**	**195.0**	**42.35**
Colorado	1,665	10,760	.41	.38	6.77	199.7	42.98
Gunnison	294	11,723	.47	.40	9.00	152.0	35.65
Moffat	1,371	10,553	.39	.37	6.29	211.1	44.56
Imported	153	11,929	.55	.46	5.03	148.9	35.51
Imported Coal	153	11,929	.55	.46	5.03	148.9	35.51
Cincinnati Gas & Electric Co East Bend	**1,458**	**12,107**	**1.98**	**1.62**	**11.57**	**137.2**	**33.21**
Indiana	6	11,363	3.17	2.79	9.41	108.4	24.64
Pike	4	11,377	3.06	2.69	9.30	111.1	25.28
Spencer	2	11,326	3.47	3.06	9.70	101.0	22.88
Kentucky	839	11,888	1.03	.87	13.00	161.4	38.39
Breathitt	271	12,085	.92	.76	10.37	120.6	29.14
Daviess	5	11,477	1.85	1.61	13.50	189.5	43.50
Floyd	37	11,517	1.04	.90	15.43	108.6	25.01
Johnson	3	11,412	1.47	1.29	13.80	119.7	27.31
Knott	5	11,593	1.36	1.17	13.80	134.5	31.19
Magoffin	174	11,811	1.20	1.01	14.03	187.9	44.40
Martin	336	11,836	1.01	.85	14.30	188.3	44.58
Owsley	2	11,483	2.64	2.30	10.30	116.7	26.80
Perry	5	11,330	1.33	1.17	13.80	131.0	29.68
Pike	2	11,309	1.14	1.01	13.20	113.1	25.58
Ohio	396	12,207	3.63	2.96	10.06	103.8	25.34
Belmont	289	12,424	3.95	3.18	9.64	98.1	24.38
Harrison	40	11,643	2.80	2.39	13.01	104.6	24.35
Jackson	5	11,044	3.51	3.18	11.44	103.6	22.88
Jefferson	3	11,929	3.65	3.07	12.38	106.1	25.32
Lawrence	53	11,579	2.54	2.19	9.93	138.7	32.13
Unknown:ehp2	6	12,144	3.34	2.75	9.85	86.7	21.06

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, 1994 (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 East Bend							
Pennsylvania	91	13,128	1.85	1.41	7.26	116.6	30.62
Greene	87	13,136	1.88	1.43	7.25	115.3	30.29
Washington	4	12,974	1.23	.95	7.40	144.4	37.47
West Virginia	126	12,541	3.16	2.55	9.99	102.8	25.77
Marion	5	12,842	2.23	1.73	8.27	115.8	29.74
Marshall	70	12,071	4.00	3.32	12.30	93.2	22.50
Mingo	11	12,770	1.21	.94	8.38	137.9	35.23
Monongalia	41	13,242	2.36	1.78	6.68	107.0	28.35
Cincinnati Gas & Electric Co Miami Fort	**2,384**	**12,255**	**1.37**	**1.12**	**11.01**	**147.4**	**36.13**
Indiana	32	11,374	2.78	2.38	8.76	114.0	25.92
Pike	7	11,297	3.16	2.80	10.57	110.9	25.05
Spencer	5	11,326	3.47	3.06	9.70	101.5	22.99
Warrick	13	10,602	1.26	1.19	9.20	132.3	28.05
Unknown:ehp2	8	12,640	4.39	3.47	6.08	99.2	25.07
Kentucky	854	11,971	.99	.83	12.79	158.8	38.03
Breathitt	93	12,005	.87	.73	10.45	119.2	28.63
Daviess	7	11,477	1.85	1.61	13.50	188.3	43.22
Floyd	228	12,144	.77	.64	12.13	133.6	32.44
Henderson	4	11,160	2.48	2.22	8.00	96.2	21.47
Knott	2	11,593	1.36	1.17	13.80	133.7	31.00
Magoffin	225	11,916	1.17	.98	13.60	181.8	43.32
Martin	235	11,856	1.08	.91	13.96	186.0	44.11
Ohio	3	10,814	2.62	2.42	8.80	119.4	25.82
Perry	2	11,330	1.33	1.17	13.80	130.1	29.48
Pike	56	12,126	.70	.58	11.55	128.5	31.16
Ohio	273	12,023	3.50	2.90	10.67	107.8	25.92
Belmont	118	12,458	4.07	3.27	9.64	98.5	24.53
Harrison	63	11,747	3.22	2.73	12.32	103.0	24.20
Jackson	9	11,095	3.94	3.55	11.63	99.3	22.03
Jefferson	14	11,829	3.72	3.15	13.31	105.4	24.93
Lawrence	54	11,600	2.51	2.16	10.23	140.8	32.67
Unknown:ehp2	15	12,030	3.27	2.72	10.37	96.6	23.24
Pennsylvania	77	12,963	2.02	1.56	8.07	122.7	31.82
Greene	64	13,125	2.01	1.53	7.26	114.1	29.94
Washington	3	12,448	1.64	1.33	9.50	133.1	33.12
Unknown:ehp2	10	12,046	2.22	1.84	13.00	182.2	43.90
Virginia	17	13,474	.74	.55	4.28	136.5	36.78
Buchanan	17	13,474	.74	.55	4.28	136.5	36.78
West Virginia	1,130	12,484	1.06	.86	10.13	151.1	37.73
Boone	8	12,403	.64	.51	11.70	132.2	32.79
Clay	178	12,260	.70	.57	10.82	118.3	29.01
Fayette	10	11,950	.71	.59	12.90	123.4	29.49
Kanawha	423	12,734	.71	.56	8.93	202.6	51.61
Logan	57	12,046	.69	.57	12.73	123.4	29.72
Marion	31	12,840	2.22	1.73	8.61	115.6	29.69
Marshall	104	12,082	3.94	3.26	12.14	93.3	22.54
Mingo	305	12,444	.69	.56	10.37	128.4	31.96
Monongalia	13	13,245	2.41	1.82	6.70	105.0	27.83
Upshur	2	11,740	.79	.67	10.50	149.0	34.99
Unknown:ehp2	2	12,139	3.46	2.85	9.90	85.5	20.76
Cincinnati Gas & Electric Co Beckjord	**1,438**	**11,911**	**1.18**	**.99**	**12.94**	**159.4**	**37.97**
Indiana	3	12,054	3.77	3.13	6.20	91.6	22.08
Unknown:ehp2	3	12,054	3.77	3.13	6.20	91.6	22.08
Kentucky	1,168	11,827	.87	.74	13.53	170.5	40.32
Breathitt	233	12,022	.89	.74	10.28	117.7	28.29
Floyd	30	11,840	1.00	.85	13.03	116.3	27.53
Knott	6	11,407	1.37	1.20	14.94	122.7	28.00
Magoffin	74	11,726	1.23	1.05	13.39	186.0	43.62
Martin	824	11,784	.83	.70	14.47	186.7	43.99
Ohio	113	12,009	3.48	2.88	10.76	100.7	24.18
Belmont	54	12,300	3.93	3.19	10.33	94.5	23.24
Harrison	31	11,737	3.18	2.70	12.45	101.7	23.87
Jefferson	8	12,020	3.26	2.71	12.68	107.3	25.80
Lawrence	19	11,613	2.82	2.43	8.50	115.7	26.88
Unknown:ehp2	2	12,159	3.01	2.48	9.70	87.2	21.21

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, 1994 (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 Beckjord							
Pennsylvania	20	13,125	2.32	1.77	7.74	104.4	27.40
Greene	19	13,202	2.29	1.73	7.55	105.8	27.95
Unknown:ehp2	2	12,275	2.65	2.16	9.80	87.2	21.41
West Virginia	134	12,371	1.73	1.41	10.64	125.8	31.14
Clay	4	12,272	.69	.56	11.07	116.9	28.68
Fayette	6	12,502	1.00	.80	11.14	137.9	34.48
Kanawha	13	12,801	.71	.55	9.05	200.7	51.39
Logan	6	11,328	1.94	1.71	12.13	123.5	27.98
Marion	25	12,715	2.12	1.67	9.24	115.5	29.37
Marshall	30	12,032	3.83	3.18	12.31	101.0	24.29
Mingo	50	12,409	.68	.55	10.47	125.4	31.13
Cincinnati Gas & Electric Co Zimmer	**3,498**	**12,106**	**3.45**	**2.85**	**10.09**	**102.5**	**24.81**
Kentucky	109	11,518	2.18	1.90	11.30	104.9	24.16
Breathitt	3	11,096	.99	.89	13.50	110.9	24.61
Floyd	46	11,794	1.93	1.63	13.45	110.8	26.14
Henderson	37	11,067	2.51	2.27	7.98	98.5	21.81
Johnson	2	11,298	1.14	1.01	13.40	131.0	29.60
Knott	2	11,593	1.36	1.17	13.80	131.7	30.54
Perry	4	11,330	1.33	1.17	13.80	128.1	29.03
Pike	2	11,309	1.14	1.01	13.20	111.5	25.22
Wolfe	5	11,617	3.28	2.82	12.70	88.3	20.52
Unknown:ehp2	9	12,191	2.86	2.35	10.20	86.2	21.02
Ohio	2,659	12,015	3.62	3.00	10.08	103.8	24.93
Belmont	668	12,437	4.07	3.27	9.66	95.7	23.81
Harrison	1,049	12,027	3.96	3.29	11.55	99.6	23.96
Jackson	27	11,035	3.61	3.27	11.83	99.9	22.06
Jefferson	24	12,062	3.47	2.87	11.88	106.8	25.77
Lawrence	868	11,701	2.88	2.47	8.53	116.0	27.14
Unknown:ehp2	22	12,196	3.10	2.54	9.95	85.9	20.96
Pennsylvania	225	13,087	2.41	1.85	7.91	106.1	27.78
Greene	202	13,182	2.35	1.78	7.72	107.1	28.24
Washington	13	12,256	3.63	2.96	9.30	99.3	24.34
Westmoreland	4	12,318	1.44	1.17	10.23	106.7	26.29
Unknown:ehp2	7	12,275	2.65	2.16	9.80	87.0	21.36
West Virginia	505	12,274	3.25	2.66	10.80	93.6	22.97
Fayette	2	12,406	.95	.77	11.50	137.6	34.14
Logan	16	11,807	2.52	2.14	12.78	112.7	26.60
Marion	18	12,699	2.23	1.76	9.24	112.8	28.66
Marshall	398	12,164	3.58	2.94	11.33	88.1	21.42
Mingo	21	12,376	.70	.57	9.95	126.7	31.35
Monongalia	44	13,132	2.43	1.85	6.60	106.0	27.84
Unknown:ehp2	6	12,810	2.27	1.77	8.50	114.7	29.39
Cleveland Electric Illum Co Ashtabula	**818**	**12,599**	**4.18**	**3.32**	**8.89**	**140.0**	**35.27**
Ohio	818	12,599	4.18	3.32	8.89	140.0	35.27
Belmont	818	12,599	4.18	3.32	8.89	140.0	35.27
Cleveland Electric Illum Co Avon Lake	**1,342**	**13,000**	**1.15**	**.88**	**7.66**	**134.4**	**34.93**
Kentucky	134	12,576	.80	.63	8.28	152.1	38.25
Pike	134	12,576	.80	.63	8.28	152.1	38.25
Ohio	135	13,002	1.37	1.06	6.40	116.8	30.38
Harrison	135	13,002	1.37	1.06	6.40	116.8	30.38
Pennsylvania	197	13,090	1.34	1.02	6.25	117.8	30.85
Greene	197	13,090	1.34	1.02	6.25	117.8	30.85
West Virginia	876	13,045	1.12	.86	8.08	138.2	36.04
Mingo	597	13,022	.66	.51	8.27	148.2	38.60
Monongalia	279	13,093	2.12	1.62	7.67	116.7	30.57
Cleveland Electric Illum Co Eastlake	**2,196**	**13,010**	**2.54**	**1.96**	**7.89**	**126.9**	**33.02**
Ohio	639	12,728	4.07	3.20	8.87	140.4	35.75
Belmont	639	12,728	4.07	3.20	8.87	140.4	35.75
Pennsylvania	1,087	13,128	1.79	1.36	7.29	123.1	32.32
Clarion	170	12,919	1.65	1.28	8.46	123.9	32.02
Greene	907	13,164	1.82	1.38	7.08	122.9	32.36
Washington	10	13,437	1.58	1.18	7.00	126.0	33.86

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, 1994 (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)
Cleveland Electric Illum Co Eastlake							
West Virginia	470	13,119	2.18	1.66	7.95	117.9	30.93
Marion	56	13,127	2.32	1.77	7.22	120.2	31.56
Monongalia	329	13,269	2.24	1.69	7.18	115.2	30.57
Nicholas	16	12,485	1.27	1.02	9.10	137.8	34.41
Preston	69	12,545	1.98	1.57	11.98	124.9	31.35
Cleveland Electric Illum Co Lake Shore	**108**	**13,354**	**.62**	**.46**	**6.61**	**167.9**	**44.85**
West Virginia	108	13,354	.62	.46	6.61	167.9	44.85
Mingo	108	13,354	.62	.46	6.61	167.9	44.85
Colorado Springs City of Drake	**748**	**10,575**	**.40**	**.37**	**5.70**	**156.0**	**33.00**
Colorado	748	10,575	.40	.37	5.70	156.0	33.00
Moffat	675	10,543	.39	.37	5.27	162.7	34.30
Routt	72	10,871	.41	.38	9.67	96.0	20.86
Colorado Springs City of Nixon	**582**	**10,960**	**.41**	**.37**	**7.97**	**113.1**	**24.80**
Colorado	582	10,960	.41	.37	7.97	113.1	24.80
Moffat	154	10,583	.39	.37	5.19	159.1	33.69
Routt	429	11,095	.41	.37	8.97	97.4	21.61
Columbia City of Columbia	**51**	**13,578**	**.87**	**.64**	**6.99**	**210.7**	**57.21**
Kentucky	48	13,629	.88	.64	6.81	210.1	57.27
Pike	48	13,629	.88	.64	6.81	210.1	57.27
Utah	1	12,070	.36	.30	9.96	213.0	51.42
Carbon	1	12,070	.36	.30	9.96	213.0	51.42
West Virginia	2	12,958	.92	.71	10.22	225.9	58.54
Kanawha	2	12,958	.92	.71	10.22	225.9	58.54
Columbus Southern Power Co Picway	**300**	**11,378**	**3.44**	**3.03**	**11.05**	**101.5**	**23.11**
Ohio	300	11,378	3.44	3.03	11.05	101.5	23.11
Hocking	3	11,066	3.59	3.25	11.65	97.3	21.55
Jackson	92	11,291	3.64	3.22	11.27	98.7	22.29
Perry	27	11,421	4.49	3.94	10.42	97.2	22.21
Vinton	179	11,421	3.19	2.79	11.02	103.7	23.69
Columbus Southern Power Co Conesville	**3,702**	**11,802**	**3.14**	**2.67**	**8.98**	**144.7**	**34.15**
Ohio	3,702	11,802	3.14	2.67	8.98	144.7	34.15
Belmont	23	12,138	3.08	2.54	10.67	103.1	25.03
Coshocton	1,802	11,859	2.92	2.47	7.74	172.1	40.82
Guernsey	39	11,418	2.92	2.56	12.00	101.6	23.21
Harrison	255	12,651	2.97	2.34	8.55	118.3	29.92
Holmes	183	11,329	3.80	3.35	10.84	96.1	21.78
Jefferson	148	11,838	2.78	2.35	12.31	97.9	23.17
Muskingum	81	11,540	4.17	3.61	10.59	98.2	22.66
Perry	365	11,302	3.27	2.89	11.70	109.6	24.77
Tuscarawas	806	11,768	3.46	2.96	9.26	134.3	31.60
Commonwealth Edison Co Waukegan	**2,013**	**8,750**	**.42**	**.48**	**5.51**	**205.8**	**36.02**
Wyoming	2,013	8,750	.42	.48	5.51	205.8	36.02
Campbell	1,399	8,698	.47	.54	5.61	170.6	29.68
Converse	614	8,870	.30	.34	5.27	284.5	50.48
Commonwealth Edison Co Crawford	**1,032**	**8,883**	**.31**	**.35**	**5.10**	**276.2**	**49.07**
Montana	103	9,475	.34	.36	4.13	189.8	35.96
Big Horn	103	9,475	.34	.36	4.13	189.8	35.96
Wyoming	929	8,817	.31	.35	5.21	286.5	50.52
Campbell	104	8,590	.29	.34	4.76	136.7	23.48
Converse	825	8,846	.31	.35	5.27	304.8	53.93
Commonwealth Edison Co Fisk	**444**	**9,047**	**.32**	**.35**	**4.61**	**251.7**	**45.54**
Montana	203	9,525	.36	.38	4.12	226.2	43.09
Big Horn	203	9,525	.36	.38	4.12	226.2	43.09
Wyoming	241	8,645	.28	.33	5.02	275.3	47.59
Campbell	89	8,678	.22	.26	4.63	217.3	37.71
Converse	152	8,626	.31	.37	5.24	309.6	53.41
Commonwealth Edison Co Joliet	**3,110**	**9,406**	**.35**	**.37**	**4.30**	**216.3**	**40.68**

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, 1994 (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)
Commonwealth Edison Co Joliet							
Montana	2,554	9,557	0.36	0.38	4.16	213.4	40.79
Big Horn	2,554	9,557	.36	.38	4.16	213.4	40.79
Wyoming	556	8,716	.29	.33	4.92	230.6	40.19
Campbell	483	8,696	.28	.32	4.85	220.3	38.32
Converse	73	8,848	.32	.36	5.40	297.2	52.60
Commonwealth Edison Co Kincaid	**1,649**	**10,698**	**3.39**	**3.21**	**8.73**	**108.1**	**23.14**
Illinois	1,453	10,538	3.79	3.59	8.90	104.6	22.05
Christian	1,453	10,538	3.79	3.59	8.90	104.6	22.05
Utah	196	11,881	.43	.36	7.44	131.2	31.17
Carbon	165	11,749	.42	.35	7.42	130.2	30.60
Emery	31	12,587	.50	.40	7.56	135.8	34.17
Commonwealth Edison Co Powerton	**2,062**	**8,967**	**.30**	**.33**	**4.62**	**208.5**	**37.39**
Montana	755	9,537	.36	.37	4.07	195.1	37.22
Big Horn	755	9,537	.36	.37	4.07	195.1	37.22
Wyoming	1,307	8,638	.27	.31	4.94	217.0	37.49
Campbell	1,036	8,583	.26	.30	4.84	195.9	33.62
Converse	271	8,849	.30	.34	5.30	295.3	52.26
Commonwealth Edison Co State Line	**957**	**9,461**	**.36**	**.38**	**4.38**	**243.6**	**46.10**
Montana	780	9,596	.37	.39	4.17	235.9	45.28
Big Horn	780	9,596	.37	.39	4.17	235.9	45.28
Wyoming	177	8,864	.31	.35	5.31	280.3	49.68
Converse	177	8,864	.31	.35	5.31	280.3	49.68
Commonwealth Edison Co Will County	**2,377**	**8,961**	**.28**	**.31**	**4.68**	**239.4**	**42.91**
Montana	625	9,474	.34	.36	4.09	189.6	35.92
Big Horn	625	9,474	.34	.36	4.09	189.6	35.92
Utah	9	11,521	.51	.44	7.40	161.8	37.28
Carbon	9	11,521	.51	.44	7.40	161.8	37.28
Wyoming	1,743	8,764	.26	.29	4.88	259.2	45.44
Campbell	1,072	8,702	.23	.27	4.67	231.2	40.23
Converse	671	8,862	.30	.34	5.21	303.2	53.75
Consumers Power Co Campbell	**3,361**	**11,955**	**.72**	**.60**	**9.90**	**162.6**	**38.89**
Kentucky	1,625	12,534	.79	.63	9.79	165.4	41.47
Breathitt	103	12,406	.87	.70	10.10	169.6	42.08
Floyd	299	12,302	.88	.72	11.79	164.0	40.36
Harlan	54	12,741	.89	.70	7.95	172.2	43.89
Knott	19	12,500	.95	.76	9.26	162.6	40.64
Perry	520	12,439	.81	.65	9.87	171.0	42.55
Pike	629	12,729	.70	.55	8.89	160.3	40.81
West Virginia	1,310	12,279	.75	.61	11.49	167.9	41.25
Boone	1,041	12,269	.76	.62	11.54	169.2	41.52
Logan	242	12,300	.69	.56	11.42	161.6	39.75
Mingo	27	12,500	.83	.67	10.00	176.4	44.11
Wyoming	426	8,746	.37	.43	5.45	124.7	21.82
Campbell	285	8,700	.44	.51	5.54	123.2	21.43
Converse	141	8,840	.23	.26	5.26	127.9	22.62
Consumers Power Co Cobb	**984**	**10,412**	**.61**	**.56**	**7.73**	**145.2**	**30.24**
Illinois	20	12,051	.98	.81	6.40	145.6	35.09
Saline	20	12,051	.98	.81	6.40	145.6	35.09
Kentucky	230	12,553	.87	.69	10.32	167.7	42.10
Breathitt	9	12,392	.98	.79	11.10	163.9	40.62
Floyd	57	12,226	.92	.75	12.07	165.6	40.49
Perry	41	12,466	.88	.70	9.63	178.4	44.49
Pike	123	12,746	.84	.66	9.68	165.3	42.15
West Virginia	141	12,308	.89	.72	11.85	160.7	39.57
Boone	132	12,288	.90	.73	11.90	160.6	39.46
Logan	8	12,634	.67	.53	11.10	163.3	41.26
Wyoming	593	9,075	.43	.47	5.80	128.1	23.26
Campbell	593	9,075	.43	.47	5.80	128.1	23.26
Consumers Power Co Karn	**1,048**	**12,275**	**.85**	**.69**	**11.47**	**153.6**	**37.70**

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, 1994 (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							
Kentucky	194	12,485	0.85	0.68	9.66	155.8	38.91
Breathitt	10	12,000	1.00	.83	12.00	152.3	36.55
Floyd	84	12,544	.82	.66	9.49	151.9	38.12
Martin	10	12,525	1.01	.81	8.20	150.5	37.70
Perry	39	12,338	.88	.71	9.50	158.8	39.17
Pike	51	12,590	.81	.65	9.88	161.7	40.72
West Virginia	854	12,227	.85	.69	11.88	153.0	37.42
Boone	708	12,154	.84	.69	12.07	153.3	37.25
Mingo	49	12,838	.91	.71	9.29	155.7	39.98
Nicholas	97	12,447	.90	.72	11.77	149.9	37.33
Consumers Power Co Weadock	**1,138**	**10,604**	**.70**	**.66**	**9.61**	**140.6**	**29.82**
Kentucky	106	12,416	.91	.74	10.11	154.2	38.29
Floyd	68	12,346	.89	.73	11.00	153.4	37.88
Knott	11	12,500	.95	.76	9.50	152.1	38.02
Martin	*	12,000	.96	.80	12.00	150.5	36.12
Perry	21	12,598	.97	.77	7.96	159.9	40.28
Pike	7	12,425	.86	.69	8.73	147.9	36.76
Montana	245	8,750	.65	.74	9.25	118.7	20.77
Big Horn	245	8,750	.65	.74	9.25	118.7	20.77
West Virginia	486	12,178	.82	.68	11.74	153.6	37.41
Boone	414	12,148	.82	.68	11.84	153.8	37.36
Logan	19	12,088	.84	.70	12.90	149.3	36.11
Mingo	10	13,000	.78	.60	8.50	159.0	41.35
Nicholas	44	12,312	.83	.67	11.00	152.4	37.54
Wyoming	301	8,932	.47	.53	6.29	122.9	21.95
Campbell	275	8,949	.50	.55	6.35	122.4	21.90
Converse	26	8,754	.24	.28	5.58	128.3	22.47
Consumers Power Co Whiting	**844**	**12,330**	**.88**	**.72**	**11.14**	**149.1**	**36.78**
Kentucky	235	12,481	.88	.70	9.86	149.4	37.29
Breathitt	31	12,000	.95	.80	12.00	147.1	35.30
Floyd	60	12,839	.78	.61	9.98	147.5	37.87
Harlan	27	12,500	1.00	.80	10.00	152.0	37.99
Knott	7	12,504	.95	.76	9.48	148.6	37.17
Martin	9	12,200	1.00	.82	12.00	148.8	36.31
Perry	9	12,000	.96	.80	12.00	146.4	35.14
Pike	92	12,475	.85	.68	8.64	151.1	37.69
West Virginia	609	12,272	.89	.72	11.63	149.0	36.58
Boone	332	12,235	.83	.68	11.64	150.5	36.82
Logan	9	12,200	1.00	.82	12.00	141.9	34.62
Mingo	40	12,519	.94	.75	10.32	148.2	37.10
Nicholas	229	12,287	.96	.78	11.83	147.4	36.23
Coop Power Assn Coal Creek	**7,296**	**6,291**	**.70**	**1.11**	**10.97**	**77.2**	**9.71**
North Dakota	7,296	6,291	.70	1.11	10.97	77.2	9.71
Mclean	7,296	6,291	.70	1.11	10.97	77.2	9.71
Dairyland Power Coop Alma-Madgett	**1,362**	**8,957**	**.49**	**.51**	**5.16**	**141.4**	**25.33**
Illinois	215	11,393	1.50	1.32	8.00	135.8	30.94
Franklin	202	11,343	1.52	1.34	8.17	136.0	30.85
Jefferson	12	12,227	1.12	.92	5.19	132.6	32.44
Wyoming	1,147	8,501	.30	.36	4.63	142.8	24.28
Campbell	1,147	8,501	.30	.36	4.63	142.8	24.28
Dairyland Power Coop Genoa No.3	**556**	**11,174**	**1.16**	**1.01**	**6.07**	**127.4**	**28.46**
Illinois	440	11,907	1.37	1.16	6.33	129.6	30.87
Franklin	112	11,387	1.86	1.63	8.99	124.5	28.36
Jefferson	327	12,086	1.21	1.00	5.41	131.3	31.73
Wyoming	117	8,408	.36	.43	5.12	115.4	19.40
Campbell	117	8,408	.36	.43	5.12	115.4	19.40
Dayton Power & Light Co Stuart	**6,556**	**11,717**	**1.19**	**1.01**	**13.63**	**135.8**	**31.83**
Kentucky	4,271	11,741	1.11	.94	13.62	149.8	35.18
Breathitt	80	11,369	1.32	1.16	14.55	107.9	24.53
Carter	32	11,188	1.52	1.36	14.61	106.0	23.72
Floyd	199	11,198	1.24	1.11	14.96	107.8	24.15

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, 1994 (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 Stuart							
Kentucky							
Johnson	50	11,254	1.48	1.32	15.09	109.2	24.58
Knott	53	11,239	1.59	1.42	14.68	108.5	24.38
Lawrence	26	11,100	1.51	1.36	15.58	108.2	24.03
Martin	82	11,135	1.48	1.33	14.72	106.8	23.80
Morgan	20	10,859	1.43	1.32	15.61	109.5	23.77
Perry	2,345	11,505	.94	.82	14.65	160.7	36.99
Pike	1,352	12,367	1.28	1.04	11.30	148.5	36.73
Wolfe	18	11,880	1.47	1.24	13.74	103.2	24.52
Unknown:ehp2	14	11,406	1.41	1.24	15.00	106.2	24.23
Ohio	153	11,967	3.74	3.12	10.38	93.4	22.36
Belmont	76	12,618	4.04	3.20	9.22	91.2	23.00
Jackson	54	11,178	3.51	3.14	12.08	95.4	21.32
Vinton	23	11,659	3.29	2.83	10.25	97.1	22.65
Pennsylvania	109	11,914	2.44	2.05	11.44	101.1	24.10
Washington	109	11,914	2.44	2.05	11.44	101.1	24.10
West Virginia	2,023	11,636	1.09	.94	14.03	111.3	25.89
Boone	58	11,856	.93	.79	15.53	110.3	26.16
Clay	34	11,707	.93	.80	14.57	117.3	27.46
Fayette	90	11,814	.95	.80	13.90	112.5	26.57
Kanawha	209	11,752	.99	.85	15.45	109.5	25.73
Lincoln	95	11,040	1.07	.97	16.15	111.1	24.54
Logan	51	11,476	1.38	1.21	14.16	125.6	28.83
Marshall	22	12,195	3.82	3.13	12.54	92.6	22.59
Mingo	51	10,976	1.49	1.35	15.17	107.5	23.59
Monongalia	21	12,266	1.54	1.26	13.01	109.0	26.75
Wayne	1,390	11,649	1.05	.90	13.59	111.3	25.93
Dayton Power & Light Co Hutchings	**182**	**12,197**	**.87**	**.71**	**11.48**	**134.9**	**32.90**
West Virginia	182	12,197	.87	.71	11.48	134.9	32.90
Nicholas	180	12,196	.87	.71	11.49	134.8	32.87
Wayne	2	12,291	.92	.75	10.00	146.0	35.89
Dayton Power & Light Co Killen	**1,162**	**12,326**	**.64**	**.52**	**12.37**	**148.9**	**36.70**
Kentucky	214	12,235	.65	.53	11.66	127.2	31.12
Breathitt	20	12,111	.65	.53	10.13	130.6	31.64
Floyd	96	12,176	.64	.53	12.23	125.4	30.54
Knott	69	12,330	.66	.54	10.90	130.1	32.09
Pike	29	12,297	.67	.54	12.71	123.3	30.32
West Virginia	947	12,347	.63	.51	12.53	153.7	37.96
Boone	26	12,627	.71	.56	11.73	122.3	30.88
Fayette	62	12,016	.60	.50	12.26	123.4	29.64
Kanawha	116	12,299	.64	.52	12.73	122.7	30.19
Logan	665	12,323	.63	.51	12.97	165.8	40.85
Mingo	67	12,891	.66	.51	8.67	133.7	34.48
Wayne	12	12,176	.59	.49	11.06	123.9	30.17
Delmarva Power & Light Co Edgemoor	**675**	**13,046**	**.78**	**.60**	**8.58**	**158.8**	**41.44**
Kentucky	7	12,991	.57	.44	6.53	165.3	42.95
Martin	7	12,991	.57	.44	6.53	165.3	42.95
Maryland	13	13,070	.74	.57	6.23	168.2	43.97
Garrett	13	13,070	.74	.57	6.23	168.2	43.97
Virginia	29	12,995	.88	.68	8.72	164.7	42.80
Buchanan	7	12,985	.76	.59	8.60	161.7	41.99
Lee	*	12,900	.55	.43	9.00	159.1	41.05
Wise	21	13,000	.93	.71	8.77	165.8	43.10
West Virginia	604	13,074	.79	.60	8.74	157.9	41.29
Barbour	45	12,866	.77	.60	9.71	151.1	38.87
Logan	7	12,686	.70	.55	8.88	160.0	40.60
Mingo	71	13,109	.80	.61	8.86	161.7	42.40
Nicholas	153	13,112	.80	.61	7.76	165.4	43.37
Webster	329	13,085	.79	.60	9.04	154.5	40.44
Imported	22	12,370	.58	.47	5.98	168.2	41.61
Imported Coal	22	12,370	.58	.47	5.98	168.2	41.61
Delmarva Power & Light Co Indian River	**1,608**	**12,915**	**.98**	**.75**	**9.31**	**163.4**	**42.21**

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, 1994 (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)
Delmarva Power & Light Co Indian River							
Kentucky	29	12,899	0.59	0.46	6.90	179.3	46.25
Martin	29	12,899	.59	.46	6.90	179.3	46.25
Maryland	125	13,164	1.44	1.10	10.23	147.9	38.95
Garrett	125	13,164	1.44	1.10	10.23	147.9	38.95
Pennsylvania	251	13,004	1.29	.99	8.96	161.1	41.89
Greene	44	13,063	1.36	1.04	6.49	148.4	38.78
Jefferson	200	12,991	1.27	.98	9.43	163.8	42.56
Somerset	7	12,988	1.34	1.03	10.98	162.4	42.19
Virginia	56	13,125	.76	.58	7.30	180.8	47.45
Buchanan	15	12,537	.73	.58	9.23	174.0	43.64
Dickenson	14	13,569	.76	.56	5.13	184.1	49.97
Lee	7	13,473	.63	.47	5.32	175.7	47.34
Wise	19	13,128	.84	.64	8.13	185.3	48.64
West Virginia	1,146	12,858	.88	.68	9.45	164.4	42.27
Barbour	340	13,111	1.32	1.01	8.46	158.2	41.48
Mingo	455	12,709	.68	.53	9.50	173.1	43.99
Webster	352	12,806	.71	.56	10.34	159.3	40.81
Unknown:ehp2	*	12,900	.65	.50	9.00	168.7	43.52
Deseret Generation & Tran Coop Bonanza	**1,514**	**10,633**	**.47**	**.44**	**9.58**	**217.6**	**46.26**
Colorado	1,514	10,633	.47	.44	9.58	217.6	46.26
Rio Blanco	1,514	10,633	.47	.44	9.58	217.6	46.26
Detroit Edison Co Belle River	**3,904**	**9,514**	**.38**	**.40**	**4.36**	**150.5**	**28.63**
Montana	3,904	9,514	.38	.40	4.36	150.5	28.63
Big Horn	3,904	9,514	.38	.40	4.36	150.5	28.63
Detroit Edison Co Harbor Beach	**79**	**13,209**	**.77**	**.58**	**7.68**	**160.9**	**42.51**
Kentucky	42	13,253	.77	.58	7.17	165.2	43.80
Martin	5	12,905	.57	.44	6.50	212.5	54.85
Pike	37	13,300	.79	.60	7.26	159.1	42.31
Virginia	9	13,161	.88	.67	8.80	160.0	42.12
Buchanan	9	13,161	.88	.67	8.80	160.0	42.12
West Virginia	28	13,159	.73	.56	8.09	154.7	40.71
Logan	18	13,197	.73	.55	8.03	156.1	41.21
Mingo	10	13,090	.74	.57	8.20	152.1	39.82
Detroit Edison Co Marysville	**100**	**13,138**	**.82**	**.62**	**7.82**	**164.0**	**43.09**
Kentucky	26	13,027	.84	.65	7.74	162.7	42.40
Knott	10	12,819	.86	.67	8.00	160.9	41.25
Martin	2	12,590	.77	.61	8.60	209.7	52.80
Pike	14	13,238	.84	.64	7.44	157.6	41.73
Virginia	30	13,101	.86	.66	8.16	158.5	41.53
Buchanan	30	13,101	.86	.66	8.16	158.5	41.53
West Virginia	44	13,229	.77	.58	7.63	168.4	44.56
Logan	16	13,160	.75	.57	8.42	154.4	40.64
Mingo	11	13,398	.69	.51	7.20	152.8	40.93
Nicholas	17	13,184	.85	.65	7.16	191.9	50.59
Detroit Edison Co Monroe	**8,980**	**11,315**	**.81**	**.66**	**6.49**	**143.7**	**32.52**
Illinois	21	12,220	1.13	.92	5.30	136.1	33.26
Jefferson	21	12,220	1.13	.92	5.30	136.1	33.26
Kentucky	2,984	12,793	1.11	.86	7.93	164.9	42.20
Clay	10	12,361	1.39	1.12	10.00	158.7	39.23
Floyd	353	12,708	1.22	.96	7.81	201.4	51.20
Knott	557	12,681	.92	.73	8.15	143.1	36.30
Letcher	21	12,830	1.36	1.06	7.50	142.1	36.46
Martin	379	12,621	.83	.66	7.91	205.6	51.89
Perry	9	13,294	.81	.61	6.30	145.2	38.61
Pike	1,655	12,888	1.20	.93	7.88	155.8	40.16
Pennsylvania	1,406	13,173	1.47	1.12	6.59	141.9	37.38
Greene	1,406	13,173	1.47	1.12	6.59	141.9	37.38
Virginia	186	13,308	.88	.66	7.46	174.5	46.44
Buchanan	186	13,308	.88	.66	7.46	174.5	46.44

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, 1994 (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							
West Virginia	873	13,081	1.01	0.77	8.03	159.4	41.70
Boone	392	13,151	1.33	1.01	7.73	156.2	41.08
Logan	211	12,882	.67	.52	9.42	148.5	38.26
Mingo	41	13,483	.73	.54	6.08	157.6	42.51
Nicholas	198	13,120	.83	.63	7.23	178.7	46.90
Webster	31	12,766	.98	.77	10.08	150.8	38.51
Wyoming	3,510	8,765	.25	.28	4.80	110.2	19.31
Campbell	2,870	8,743	.24	.27	4.70	111.6	19.51
Converse	640	8,863	.28	.32	5.22	103.9	18.41
Detroit Edison Co River Rouge	**1,271**	**11,499**	**.60**	**.50**	**9.29**	**154.0**	**35.41**
Colorado	21	11,838	.48	.41	8.38	146.2	34.61
Gunnison	21	11,838	.48	.41	8.38	146.2	34.61
Kentucky	246	12,658	.81	.64	8.22	178.4	45.17
Breathitt	10	12,040	.66	.55	10.30	161.5	38.89
Knott	59	12,577	.87	.69	8.33	153.9	38.71
Martin	137	12,697	.79	.62	8.18	196.4	49.87
Pike	40	12,798	.83	.65	7.69	156.9	40.16
West Virginia	630	12,446	.72	.58	11.76	161.8	40.28
Logan	478	12,423	.69	.56	11.92	163.6	40.64
Mingo	11	12,038	.78	.65	11.10	160.9	38.74
Nicholas	32	13,164	.76	.58	7.61	180.4	47.49
Webster	109	12,378	.84	.68	12.35	148.6	36.78
Wyoming	317	8,784	.27	.31	5.09	106.1	18.64
Campbell	201	8,761	.28	.32	5.00	107.1	18.76
Converse	116	8,825	.25	.29	5.24	104.4	18.42
Imported	57	11,005	.23	.21	10.28	149.9	32.99
Imported Coal	57	11,005	.23	.21	10.28	149.9	32.99
Detroit Edison Co St Clair	**5,209**	**9,713**	**.51**	**.49**	**4.56**	**143.2**	**27.82**
Montana	4,599	9,498	.37	.39	4.31	147.5	28.02
Big Horn	4,599	9,498	.37	.39	4.31	147.5	28.02
West Virginia	356	13,134	2.42	1.85	7.29	113.4	29.78
Monongalia	301	13,243	2.41	1.82	6.67	109.0	28.86
Nicholas	55	12,539	2.51	2.00	10.69	138.7	34.79
Wyoming	254	8,822	.26	.30	5.19	120.7	21.30
Campbell	38	8,755	.33	.38	5.07	122.1	21.38
Converse	216	8,834	.25	.28	5.21	120.5	21.29
Detroit Edison Co Trenton Channel	**1,494**	**11,521**	**.62**	**.52**	**6.32**	**155.7**	**35.87**
Kentucky	626	12,817	.81	.63	8.00	171.7	44.02
Knott	117	12,595	.86	.69	8.46	150.8	37.98
Letcher	9	12,887	.81	.63	7.50	156.4	40.31
Martin	216	12,679	.77	.61	7.82	210.9	53.48
Perry	35	13,012	.83	.64	7.29	150.7	39.21
Pike	249	13,012	.82	.63	8.05	151.7	39.47
Montana	519	9,406	.32	.34	3.91	117.6	22.13
Big Horn	519	9,406	.32	.34	3.91	117.6	22.13
Pennsylvania	3	13,089	1.44	1.10	6.70	164.1	42.96
Greene	3	13,089	1.44	1.10	6.70	164.1	42.96
Virginia	140	13,403	.92	.69	7.13	189.7	50.85
Buchanan	140	13,403	.92	.69	7.13	189.7	50.85
West Virginia	136	13,114	.82	.63	7.81	166.1	43.57
Boone	29	13,202	.96	.73	8.10	156.3	41.27
Logan	43	13,101	.71	.54	8.11	155.9	40.85
Mingo	11	13,127	.72	.55	7.93	154.4	40.54
Nicholas	53	13,074	.86	.66	7.38	182.3	47.66
Wyoming	70	8,686	.21	.25	4.62	112.4	19.52
Campbell	70	8,686	.21	.25	4.62	112.4	19.52
Duke Power Co Allen	**1,201**	**12,464**	**1.10**	**.88**	**11.32**	**177.9**	**44.34**
Kentucky	19	12,331	.79	.64	10.30	140.0	34.53
Pike	19	12,331	.79	.64	10.30	140.0	34.53
Virginia	1,162	12,458	1.11	.89	11.37	179.1	44.63
Wise	1,162	12,458	1.11	.89	11.37	179.1	44.63

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, 1994 (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 Allen							
West Virginia	20	12,934	0.68	0.53	9.40	141.3	36.55
Mingo	20	12,934	.68	.53	9.40	141.3	36.55
Duke Power Co Belews Creek	**4,822**	**12,276**	**.96**	**.79**	**10.09**	**160.0**	**39.27**
Kentucky	4,213	12,232	.98	.80	10.13	161.1	39.41
Martin	3,745	12,204	1.01	.83	10.19	161.5	39.43
Pike	468	12,459	.76	.61	9.63	157.4	39.21
Virginia	31	12,369	.95	.77	11.60	139.4	34.48
Wise	31	12,369	.95	.77	11.60	139.4	34.48
West Virginia	578	12,588	.84	.67	9.76	153.2	38.56
Mingo	578	12,588	.84	.67	9.76	153.2	38.56
Duke Power Co Buck	**221**	**12,490**	**.91**	**.74**	**9.95**	**156.8**	**39.17**
Kentucky	72	12,168	1.04	.86	10.88	159.9	38.91
Harlan	1	12,744	.93	.73	7.90	170.2	43.38
Martin	39	11,977	1.19	1.00	12.16	163.6	39.19
Pike	32	12,383	.85	.69	9.41	155.2	38.43
West Virginia	149	12,645	.85	.68	9.49	155.4	39.29
Kanawha	18	12,148	.81	.67	12.88	149.6	36.35
Mingo	131	12,713	.86	.68	9.03	156.1	39.69
Duke Power Co Cliffside	**877**	**12,675**	**.91**	**.72**	**9.34**	**158.0**	**40.05**
Kentucky	687	12,713	.96	.75	8.65	165.8	42.15
Harlan	390	12,619	.93	.74	7.95	188.6	47.60
Perry	81	12,814	.96	.75	8.49	148.4	38.03
Pike	216	12,845	1.00	.78	9.97	131.8	33.86
Virginia	190	12,538	.75	.60	11.82	129.4	32.44
Dickenson	190	12,538	.75	.60	11.82	129.4	32.44
Duke Power Co Dan River	**198**	**12,396**	**.86**	**.69**	**11.07**	**155.4**	**38.51**
Kentucky	86	12,361	.91	.73	11.30	150.8	37.28
Harlan	6	12,289	.93	.76	12.80	154.9	38.07
Martin	5	12,638	.57	.45	10.50	153.1	38.70
Pike	75	12,349	.93	.75	11.23	150.3	37.12
Virginia	3	12,586	.96	.76	11.10	163.6	41.18
Wise	3	12,586	.96	.76	11.10	163.6	41.18
West Virginia	109	12,418	.82	.66	10.88	158.7	39.42
Kanawha	15	12,138	.79	.65	13.07	146.5	35.56
Mingo	94	12,463	.82	.66	10.53	160.6	40.03
Duke Power Co Lee	**241**	**12,710**	**1.04**	**.81**	**8.59**	**177.5**	**45.13**
Kentucky	230	12,681	1.04	.82	8.61	178.9	45.37
Harlan	200	12,646	1.01	.80	8.52	183.5	46.41
Leslie	7	12,479	1.27	1.02	10.00	154.9	38.66
Pike	23	13,045	1.23	.94	8.96	147.1	38.39
Virginia	11	13,330	1.01	.75	8.24	150.2	40.05
Dickenson	11	13,330	1.01	.75	8.24	150.2	40.05
Duke Power Co Marshall	**4,136**	**12,437**	**.99**	**.79**	**10.43**	**165.9**	**41.28**
Kentucky	1,386	12,397	.95	.77	9.45	152.2	37.72
Bell	6	12,548	1.09	.87	8.50	158.6	39.80
Harlan	281	12,625	.98	.78	8.26	176.4	44.54
Martin	759	12,235	.97	.79	10.23	147.8	36.17
Perry	9	12,082	.89	.74	10.10	169.1	40.86
Pike	331	12,579	.90	.71	8.65	140.6	35.38
Virginia	2,139	12,443	1.05	.85	11.29	180.3	44.88
Wise	2,139	12,443	1.05	.85	11.29	180.3	44.88
West Virginia	611	12,509	.83	.66	9.65	146.8	36.73
Mingo	611	12,509	.83	.66	9.65	146.8	36.73
Duke Power Co Riverbend	**425**	**12,422**	**1.10**	**.88**	**9.28**	**171.8**	**42.68**
Kentucky	425	12,422	1.10	.88	9.28	171.8	42.68
Clay	9	12,478	1.58	1.27	10.20	146.9	36.66
Harlan	356	12,480	1.12	.90	9.10	176.4	44.02
Letcher	7	12,008	.63	.52	13.00	156.2	37.51
Perry	9	12,085	.99	.82	10.00	151.0	36.50
Pike	44	12,074	.92	.76	9.85	145.5	35.14

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, 1994 (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)
Duquesne Light Co Cheswick	**1,653**	**12,923**	**1.70**	**1.30**	**8.73**	**119.3**	**30.83**
Pennsylvania	1,401	12,958	1.81	1.39	8.66	117.5	30.46
Allegheny	1	12,888	2.42	1.88	10.30	98.0	25.26
Fayette	506	12,657	1.16	.92	9.77	132.7	33.59
Greene	894	13,129	2.18	1.66	8.03	109.3	28.70
West Virginia	252	12,730	1.05	.83	9.09	129.2	32.89
Fayette	252	12,730	1.05	.83	9.09	129.2	32.89
Duquesne Light Co Elrama	**1,098**	**12,410**	**1.97**	**1.59**	**12.02**	**156.5**	**38.84**
Pennsylvania	1,082	12,407	1.98	1.60	12.05	157.1	38.97
Allegheny	1	12,623	3.70	2.93	10.60	98.0	24.74
Greene	1,081	12,407	1.98	1.60	12.05	157.1	38.99
West Virginia	16	12,577	1.36	1.09	10.27	117.6	29.57
Fayette	10	12,667	1.17	.92	9.10	129.3	32.76
Monongalia	6	12,428	1.69	1.36	12.23	97.6	24.27
East Kentucky Power Coop Inc Cooper	**794**	**12,296**	**1.46**	**1.20**	**10.53**	**121.2**	**29.80**
Kentucky	794	12,296	1.46	1.20	10.53	121.2	29.80
Breathitt	64	12,096	1.26	1.05	10.86	119.1	28.81
Clay	172	12,637	1.29	1.02	8.63	126.5	31.98
Harlan	10	12,601	1.20	.96	8.76	130.0	32.76
Leslie	51	12,276	1.53	1.25	10.79	110.1	27.02
Owsley	9	12,306	1.33	1.08	8.06	119.8	29.49
Perry	41	12,723	.85	.67	9.36	120.4	30.63
Pulaski	417	12,163	1.60	1.31	11.42	121.1	29.45
Whitley	6	12,077	1.96	1.62	10.33	124.3	30.03
Wolfe	23	11,930	1.92	1.61	10.83	109.7	26.19
East Kentucky Power Coop Inc Dale	**370**	**12,306**	**.84**	**.69**	**8.85**	**118.9**	**29.27**
Kentucky	370	12,306	.84	.69	8.85	118.9	29.27
Breathitt	207	12,039	.82	.68	10.08	117.9	28.39
Daviess	12	12,234	1.05	.86	10.27	114.7	28.05
Knott	11	12,475	.96	.77	9.26	118.5	29.56
Perry	51	12,664	.84	.67	8.88	118.8	30.09
Pike	8	12,666	.85	.67	6.37	125.0	31.67
Wolfe	81	12,718	.85	.67	5.66	121.6	30.93
East Kentucky Power Coop Inc Spurlock	**2,252**	**12,343**	**.97**	**.79**	**10.42**	**116.9**	**28.86**
Kentucky	1,321	12,308	1.08	.89	9.94	119.2	29.34
Boyd	348	12,653	.81	.64	9.65	122.6	31.02
Breathitt	235	12,245	.69	.57	9.40	119.9	29.36
Floyd	228	11,812	1.43	1.22	11.71	113.8	26.87
Greenup	219	12,061	2.01	1.67	10.60	109.7	26.47
Harlan	9	12,477	.64	.51	7.90	135.8	33.89
Knott	237	12,503	.67	.54	8.93	123.8	30.97
Letcher	24	12,972	.69	.53	7.37	144.8	37.57
Pike	15	12,463	.84	.67	9.28	120.4	30.00
Wolfe	6	11,629	2.49	2.15	11.50	106.3	24.72
Pennsylvania	1	12,961	2.06	1.59	6.90	108.4	28.10
Greene	1	12,961	2.06	1.59	6.90	108.4	28.10
West Virginia	930	12,392	.82	.66	11.10	113.7	28.18
Cabell	6	12,366	.87	.70	11.35	115.4	28.55
Fayette	351	12,531	1.13	.90	12.41	106.7	26.74
Kanawha	58	12,361	.66	.53	11.02	116.3	28.74
Logan	223	12,283	.64	.52	11.56	121.1	29.75
Mingo	119	12,412	.66	.54	9.61	114.1	28.33
Wayne	173	12,245	.60	.49	8.88	117.6	28.80
Electric Energy Inc Joppa	**4,138**	**9,403**	**.74**	**.70**	**5.64**	**89.8**	**16.88**
Illinois	1,022	11,723	2.19	1.89	8.78	103.7	24.31
Franklin	397	11,667	2.10	1.80	8.56	99.0	23.09
Gallatin	22	11,994	1.43	1.19	6.50	118.8	28.50
Jefferson	90	11,787	1.68	1.43	7.76	108.9	25.67
Randolph	178	11,038	3.16	2.87	9.66	96.7	21.35
Saline	334	12,120	1.97	1.64	9.01	110.1	26.70

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, 1994 (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							
Wyoming	3,116	8,643	0.27	0.31	4.61	83.6	14.44
Campbell	3,116	8,643	.27	.31	4.61	83.6	14.44
Empire District Electric Co Riverton	**289**	**9,817**	**1.05**	**.90**	**5.96**	**114.4**	**22.47**
Kansas	81	12,538	3.07	2.45	9.82	123.5	30.98
Crawford	81	12,538	3.07	2.45	9.82	123.5	30.98
Wyoming	208	8,758	.26	.29	4.45	109.4	19.15
Campbell	208	8,758	.26	.29	4.45	109.4	19.15
Empire District Electric Co Asbury	**848**	**9,101**	**.60**	**.57**	**5.34**	**99.1**	**18.04**
Kansas	90	12,001	3.48	2.90	12.70	124.7	29.94
Crawford	90	12,001	3.48	2.90	12.70	124.7	29.94
Wyoming	758	8,756	.26	.30	4.46	94.9	16.62
Campbell	758	8,756	.26	.30	4.46	94.9	16.62
Florida Power Corp Crystal River	**3,834**	**12,564**	**.84**	**.67**	**8.90**	**182.3**	**45.80**
Kentucky	3,007	12,624	.88	.70	8.71	174.2	43.98
Breathitt	330	12,207	1.01	.83	8.75	167.7	40.95
Floyd	9	12,411	.98	.79	8.73	160.8	39.91
Harlan	989	12,412	1.07	.86	9.94	177.4	44.05
Knott	273	12,444	.90	.72	9.03	180.3	44.87
Letcher	1,000	12,953	.69	.54	7.36	173.5	44.95
Perry	60	12,958	1.00	.77	7.82	166.4	43.12
Pike	336	12,784	.66	.52	8.96	170.0	43.47
Unknown:ehp2	9	12,308	1.16	.94	10.09	166.0	40.86
Virginia	790	12,337	.71	.57	9.59	214.5	52.92
Lee	790	12,337	.71	.57	9.59	214.5	52.92
West Virginia	38	12,549	.66	.53	9.74	169.9	42.65
Logan	38	12,549	.66	.53	9.74	169.9	42.65
Florida Power Corp IMT Transfer3	**1,420**	**12,507**	**.77**	**.61**	**9.41**	**175.8**	**43.97**
Kentucky	677	12,429	.83	.67	9.69	181.1	45.01
Boyd	445	12,319	.90	.74	10.12	185.9	45.79
Knott	*	12,012	.91	.76	8.01	168.4	40.45
Letcher	45	12,922	.69	.53	7.35	169.8	43.88
Martin	178	12,555	.70	.56	9.32	172.9	43.41
Perry	9	12,914	.68	.53	7.45	169.8	43.85
West Virginia	659	12,552	.71	.57	9.50	173.0	43.43
Boone	393	12,553	.70	.56	9.49	172.8	43.39
Cabell	147	12,565	.70	.55	9.30	172.4	43.32
Kanawha	20	12,571	.99	.79	10.86	176.8	44.46
Wayne	99	12,526	.72	.58	9.55	173.8	43.54
Imported	84	12,778	.64	.50	6.50	156.3	39.93
Imported Coal	84	12,778	.64	.50	6.50	156.3	39.93
Fremont City of Wright	**241**	**8,471**	**.31**	**.36**	**5.05**	**82.1**	**13.90**
Montana	3	10,499	.41	.38	12.24	79.6	16.72
Big Horn	1	8,862	.28	.32	16.50	22.6	4.01
Rosebud	2	11,700	.50	.43	9.11	111.3	26.04
Wyoming	238	8,449	.30	.36	4.97	82.1	13.87
Campbell	238	8,449	.30	.36	4.97	82.1	13.87
Gainesville Regional Util Deerhaven	**555**	**13,159**	**.60**	**.46**	**6.90**	**173.2**	**45.59**
Kentucky	546	13,161	.60	.46	6.87	172.9	45.51
Pike	546	13,161	.60	.46	6.87	172.9	45.51
Virginia	9	13,044	.76	.58	9.15	193.3	50.43
Dickenson	9	13,044	.76	.58	9.15	193.3	50.43
Georgia Power Co Arkwright	**110**	**12,826**	**1.38**	**1.07**	**9.98**	**197.1**	**50.56**
Kentucky	5	12,112	2.00	1.65	11.59	164.4	39.82
Pike	5	12,112	2.00	1.65	11.59	164.4	39.82
Virginia	105	12,860	1.35	1.05	9.90	198.6	51.07
Lee	105	12,860	1.35	1.05	9.90	198.6	51.07
Georgia Power Co Atkinson-Mcdonoug	**1,180**	**12,667**	**.91**	**.72**	**8.76**	**136.0**	**34.44**

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, 1994 (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	1,151	12,657	0.90	0.71	8.75	135.0	34.16
Harlan	1,106	12,662	.88	.69	8.69	134.9	34.17
Letcher	9	12,097	1.83	1.51	12.00	146.8	35.52
Perry	36	12,638	1.25	.98	9.83	133.5	33.74
Virginia	29	13,073	1.50	1.15	8.97	174.7	45.68
Lee	29	13,073	1.50	1.15	8.97	174.7	45.68
Georgia Power Co Bowen	**8,988**	**12,405**	**1.12**	**.91**	**10.27**	**160.5**	**39.82**
Kentucky	8,988	12,405	1.12	.91	10.27	160.5	39.82
Breathitt	28	11,874	1.82	1.53	11.99	139.0	33.01
Harlan	757	12,663	.82	.65	8.86	136.7	34.61
Knott	866	12,267	1.19	.97	10.94	156.0	38.28
Leslie	3,883	12,344	1.20	.98	10.58	173.4	42.80
Letcher	460	12,648	1.14	.90	9.45	152.5	38.57
Perry	2,984	12,424	1.07	.86	10.14	152.7	37.95
Pike	10	12,707	1.44	1.13	8.25	175.6	44.63
Georgia Power Co Hammond	**703**	**12,608**	**1.26**	**1.00**	**10.87**	**174.8**	**44.08**
Kentucky	11	12,816	.61	.48	8.59	191.0	48.96
Harlan	11	12,816	.61	.48	8.59	191.0	48.96
Virginia	561	12,769	1.39	1.09	10.39	178.1	45.47
Lee	510	12,765	1.41	1.10	10.29	180.6	46.11
Wise	51	12,807	1.22	.95	11.45	152.9	39.16
West Virginia	132	11,904	.79	.66	13.09	158.5	37.74
Kanawha	11	12,313	.68	.55	9.73	198.7	48.95
Logan	6	12,390	.59	.48	11.20	197.0	48.82
Mingo	95	12,377	.84	.68	10.46	153.3	37.94
Nicholas	19	9,214	.64	.69	28.43	145.1	26.75
Georgia Power Co Harllee Branch	**2,974**	**12,451**	**1.30**	**1.04**	**10.01**	**174.0**	**43.34**
Kentucky	2,587	12,417	1.30	1.05	9.94	172.3	42.79
Breathitt	323	11,971	1.09	.91	9.00	154.3	36.94
Floyd	36	12,093	.85	.70	10.23	150.6	36.43
Harlan	272	12,289	1.01	.82	9.17	156.8	38.53
Knott	757	12,544	1.37	1.09	9.98	180.9	45.39
Leslie	403	12,431	1.29	1.04	10.35	184.5	45.88
Letcher	110	12,119	1.92	1.58	11.41	154.1	37.34
Perry	95	11,995	1.30	1.08	12.56	157.4	37.76
Pike	591	12,689	1.38	1.09	9.74	176.2	44.71
Virginia	323	12,819	1.38	1.08	9.89	191.2	49.02
Lee	323	12,819	1.38	1.08	9.89	191.2	49.02
West Virginia	64	11,969	.72	.60	13.73	153.6	36.78
Logan	64	11,969	.72	.60	13.73	153.6	36.78
Georgia Power Co Mitchell	**89**	**12,753**	**1.27**	**1.00**	**9.09**	**196.2**	**50.05**
Kentucky	89	12,753	1.27	1.00	9.09	196.2	50.05
Leslie	28	12,607	1.20	.95	9.48	230.0	57.99
Perry	61	12,821	1.31	1.02	8.91	180.8	46.37
Georgia Power Co Scherer	**9,271**	**10,569**	**.49**	**.45**	**7.15**	**175.3**	**37.06**
Colorado	11	11,290	.37	.33	9.53	165.8	37.44
Routt	11	11,290	.37	.33	9.53	165.8	37.44
Kentucky	487	12,716	.59	.47	8.20	165.6	42.12
Harlan	108	13,129	.59	.45	6.54	161.0	42.29
Martin	137	12,881	.55	.43	6.45	159.7	41.15
Pike	242	12,438	.61	.49	9.93	171.2	42.60
Virginia	617	13,367	.74	.55	7.45	169.3	45.27
Wise	617	13,367	.74	.55	7.45	169.3	45.27
West Virginia	3,325	12,570	.64	.51	9.95	201.8	50.74
Kanawha	18	12,306	.71	.57	10.16	190.8	46.95
Logan	4	12,510	.60	.48	10.26	197.3	49.36
Mingo	3,296	12,578	.64	.51	9.91	202.0	50.81
Nicholas	6	9,210	.61	.66	28.81	147.2	27.11
Wyoming	4,831	8,617	.35	.40	5.08	151.4	26.10
Campbell	4,718	8,610	.35	.40	5.08	151.5	26.09
Converse	114	8,886	.28	.31	4.96	148.1	26.31

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, 1994 (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 Wansley	**4,138**	**11,988**	**1.83**	**1.58**	**9.13**	**177.2**	**42.50**
Illinois	2,329	11,413	2.52	2.23	9.08	168.9	38.55
Franklin	916	11,643	2.32	1.99	8.31	144.2	33.58
Perry	1,165	11,103	2.98	2.68	10.24	191.0	42.42
Saline	247	12,020	1.14	.95	6.49	161.2	38.76
Kentucky	816	12,972	.73	.56	7.59	196.7	51.04
Bell	37	12,355	.99	.80	10.23	158.3	39.11
Harlan	761	13,020	.71	.55	7.34	199.5	51.95
Pike	18	12,227	.90	.73	12.60	152.8	37.37
Ohio	15	12,258	4.34	3.54	10.49	163.4	40.06
Belmont	15	12,258	4.34	3.54	10.49	163.4	40.06
Virginia	293	12,600	1.17	.93	11.19	184.4	46.47
Lee	213	12,553	1.22	.97	11.20	195.0	48.96
Wise	80	12,724	1.06	.83	11.16	156.8	39.90
West Virginia	684	12,505	1.03	.82	10.25	176.3	44.08
Kanawha	146	12,419	.71	.57	9.93	187.9	46.68
Logan	18	12,459	.60	.48	10.67	189.8	47.29
Mingo	466	12,904	1.20	.93	8.27	175.4	45.27
Nicholas	54	9,283	.64	.69	28.11	137.6	25.54
Georgia Power Co Yates	**1,007**	**12,381**	**1.66**	**1.38**	**9.73**	**177.6**	**43.97**
Illinois	214	11,223	2.71	2.43	9.35	172.9	38.80
Franklin	81	11,671	2.30	1.97	7.97	144.1	33.63
Perry	133	10,952	2.96	2.71	10.18	191.5	41.94
Indiana	19	11,642	3.55	3.05	7.75	133.9	31.18
Pike	19	11,642	3.55	3.05	7.75	133.9	31.18
Kentucky	40	12,963	.59	.46	7.35	194.2	50.35
Harlan	40	12,963	.59	.46	7.35	194.2	50.35
Ohio	22	12,258	4.34	3.54	10.49	163.4	40.06
Belmont	22	12,258	4.34	3.54	10.49	163.4	40.06
Virginia	544	12,728	1.33	1.04	10.42	184.6	47.00
Lee	523	12,725	1.34	1.05	10.40	185.8	47.29
Wise	21	12,807	1.05	.82	11.02	155.5	39.83
West Virginia	168	12,693	1.10	.86	8.69	162.3	41.19
Kanawha	30	12,473	.72	.58	10.01	189.3	47.23
Logan	1	12,391	.59	.48	11.20	189.6	46.99
Mingo	136	12,773	1.19	.93	8.21	156.5	39.99
Nicholas	1	9,216	.65	.71	28.23	135.4	24.96
Grand Haven City of J B Simms	**167**	**11,240**	**2.42**	**2.16**	**9.64**	**154.2**	**34.66**
Illinois	10	11,193	3.13	2.80	9.69	139.2	31.16
Perry	10	11,193	3.13	2.80	9.69	139.2	31.16
Indiana	133	11,021	2.39	2.17	10.06	157.1	34.64
Greene	133	11,021	2.39	2.17	10.06	157.1	34.64
Kentucky	12	11,910	3.00	2.52	8.01	143.5	34.18
Ohio	12	11,910	3.00	2.52	8.01	143.5	34.18
Pennsylvania	12	13,078	1.49	1.14	6.49	146.9	38.42
Greene	12	13,078	1.49	1.14	6.49	146.9	38.42
Grand Island City of Platte	**362**	**8,381**	**.34**	**.40**	**5.42**	**68.8**	**11.53**
Wyoming	362	8,381	.34	.40	5.42	68.8	11.53
Campbell	362	8,381	.34	.40	5.42	68.8	11.53
Grand River Dam Authority GRDA 1	**3,945**	**8,571**	**.41**	**.44**	**5.01**	**91.5**	**15.68**
Oklahoma	112	13,279	3.66	2.76	6.07	100.8	26.78
Nowata	112	13,279	3.66	2.76	6.07	100.8	26.78
Wyoming	3,833	8,434	.32	.38	4.98	91.1	15.36
Campbell	3,833	8,434	.32	.38	4.98	91.1	15.36
Gulf Power Co Crist	**1,904**	**11,964**	**1.95**	**1.64**	**7.31**	**179.8**	**43.02**
Alabama	2	12,241	2.87	2.34	10.00	204.1	49.97
Walker	2	12,241	2.87	2.34	10.00	204.1	49.97
Illinois	1,569	11,887	2.15	1.81	7.55	173.1	41.16
Franklin	584	11,613	2.29	1.98	8.14	151.8	35.25
Gallatin	103	12,623	2.78	2.21	9.14	152.2	38.42
Saline	881	11,983	1.98	1.66	6.98	189.5	45.41

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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)
Gulf Power Co Crist							
West Virginia	21	13,461	1.08	0.80	5.40	185.8	50.02
Boone	21	13,461	1.08	.80	5.40	185.8	50.02
Imported	313	12,250	.98	.80	6.19	211.6	51.84
Imported Coal	313	12,250	.98	.80	6.19	211.6	51.84
Gulf Power Co Scholtz	**67**	**11,861**	**3.09**	**2.60**	**9.35**	**168.7**	**40.03**
Kentucky	67	11,861	3.09	2.60	9.35	168.7	40.03
Hopkins	67	11,861	3.09	2.60	9.35	168.7	40.03
Gulf Power Co Smith	**877**	**12,051**	**1.36**	**1.13**	**7.35**	**171.1**	**41.23**
Illinois	392	12,086	2.11	1.74	7.93	160.3	38.76
Franklin	122	11,640	2.27	1.95	8.19	142.4	33.16
Gallatin	103	12,673	2.73	2.15	9.13	151.6	38.42
Saline	166	12,051	1.60	1.34	7.00	178.7	43.08
Kentucky	18	11,881	3.22	2.71	10.78	140.2	33.31
Hopkins	18	11,881	3.22	2.71	10.78	140.2	33.31
Imported	468	12,029	.66	.55	6.73	181.3	43.60
Imported Coal	468	12,029	.66	.55	6.73	181.3	43.60
Gulf States Utilities Co Nelson	**2,260**	**8,668**	**.45**	**.52**	**5.67**	**157.0**	**27.22**
Wyoming	2,260	8,668	.45	.52	5.67	157.0	27.22
Campbell	2,260	8,668	.45	.52	5.67	157.0	27.22
Hamilton City of Hamilton	**140**	**12,515**	**.74**	**.59**	**9.27**	**156.4**	**39.14**
Kentucky	140	12,515	.74	.59	9.27	156.4	39.14
Knott	123	12,565	.73	.58	9.25	158.2	39.75
Magoffin	17	12,150	.75	.62	9.38	143.0	34.74
Hastings City of Hastings	**286**	**8,597**	**.29**	**.33**	**4.96**	**79.0**	**13.58**
Wyoming	286	8,597	.29	.33	4.96	79.0	13.58
Campbell	286	8,597	.29	.33	4.96	79.0	13.58
Holland City of James De Young	**154**	**12,952**	**.86**	**.66**	**6.51**	**184.0**	**47.66**
Kentucky	154	12,952	.86	.66	6.51	184.0	47.66
Pike	154	12,952	.86	.66	6.51	184.0	47.66
Holyoke Water Power Co Mount Tom	**345**	**13,119**	**1.33**	**1.01**	**6.68**	**164.4**	**43.13**
Kentucky	48	12,884	.55	.43	7.74	206.0	53.07
Pike	48	12,884	.55	.43	7.74	206.0	53.07
Pennsylvania	289	13,171	1.48	1.12	6.60	156.8	41.31
Greene	289	13,171	1.48	1.12	6.60	156.8	41.31
Imported	8	12,651	.43	.34	3.30	195.4	49.44
Imported Coal	8	12,651	.43	.34	3.30	195.4	49.44
Hoosier Energy R E C Inc Merom	**2,419**	**11,041**	**3.50**	**3.17**	**11.56**	**125.4**	**27.70**
Indiana	2,419	11,041	3.50	3.17	11.56	125.4	27.70
Clay	1,091	11,021	3.87	3.52	11.04	165.5	36.47
Daviess	116	11,150	2.85	2.56	10.30	99.0	22.08
Greene	37	11,013	3.54	3.21	12.07	81.1	17.86
Pike	401	11,358	4.28	3.77	11.48	102.3	23.25
Sullivan	773	10,891	2.66	2.45	12.49	87.0	18.95
Hoosier Energy R E C Inc Frank E Ratts	**580**	**11,172**	**2.54**	**2.27**	**8.62**	**137.0**	**30.61**
Indiana	580	11,172	2.54	2.27	8.62	137.0	30.61
Pike	580	11,172	2.54	2.27	8.62	137.0	30.61
Houston Lighting & Power Co Limestone	**8,628**	**6,512**	**1.10**	**1.68**	**17.24**	**89.5**	**11.66**
Texas	8,628	6,512	1.10	1.68	17.24	89.5	11.66
Freestone	8,628	6,512	1.10	1.68	17.24	89.5	11.66
Houston Lighting & Power Co Parish	**10,483**	**8,564**	**.37**	**.44**	**5.14**	**182.6**	**31.27**
Wyoming	10,483	8,564	.37	.44	5.14	182.6	31.27
Campbell	10,483	8,564	.37	.44	5.14	182.6	31.27
IES Utilities Co 6th St	**24**	**11,384**	**2.16**	**1.85**	**8.20**	**140.8**	**32.06**

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, 1994 (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)
IES Utilities Co 6th St							
Illinois	21	11,790	2.43	2.06	8.71	144.9	34.16
Franklin	20	11,804	2.43	2.06	8.66	145.0	34.23
Hamilton	1	11,512	2.52	2.19	9.65	142.9	32.90
Wyoming	3	8,542	.30	.35	4.63	101.7	17.38
Campbell	3	8,542	.30	.35	4.63	101.7	17.38
IES Utilities Co Burlington	**551**	**8,630**	**.63**	**.70**	**6.03**	**90.8**	**15.67**
Illinois	11	11,500	1.83	1.59	8.80	111.5	25.64
Franklin	11	11,500	1.83	1.59	8.80	111.5	25.64
Indiana	23	11,372	2.63	2.31	8.56	126.1	28.68
Warrick	23	11,372	2.63	2.31	8.56	126.1	28.68
Wyoming	517	8,446	.52	.61	5.85	88.1	14.88
Campbell	517	8,446	.52	.61	5.85	88.1	14.88
IES Utilities Co Ottumwa	**2,419**	**8,363**	**.36**	**.43**	**5.42**	**102.3**	**17.11**
Wyoming	2,419	8,363	.36	.43	5.42	102.3	17.11
Campbell	2,419	8,363	.36	.43	5.42	102.3	17.11
IES Utilities Co Prairie Creek 1-4	**816**	**9,210**	**.77**	**.75**	**5.74**	**111.4**	**20.51**
Illinois	163	11,692	2.34	2.00	8.58	138.2	32.31
Franklin	163	11,692	2.34	2.00	8.58	138.2	32.31
Wyoming	653	8,590	.38	.44	5.04	102.2	17.57
Campbell	653	8,590	.38	.44	5.04	102.2	17.57
IES Utilities Co Sutherland	**368**	**8,629**	**.43**	**.50**	**5.73**	**73.7**	**12.71**
Wyoming	368	8,629	.43	.50	5.73	73.7	12.71
Campbell	368	8,629	.43	.50	5.73	73.7	12.71
Illinois Power Co Baldwin	**4,201**	**10,903**	**2.93**	**2.69**	**9.91**	**132.7**	**28.93**
Illinois	4,134	10,896	2.93	2.69	9.93	132.4	28.86
Perry	2,163	10,900	2.93	2.69	10.08	126.3	27.54
Randolph	301	11,074	3.19	2.88	9.90	139.6	30.93
Washington	1,650	10,851	2.88	2.66	9.70	139.0	30.16
Williamson	21	11,483	3.02	2.63	11.90	139.6	32.07
Indiana	39	11,064	3.08	2.79	9.13	148.7	32.91
Pike	10	11,388	3.04	2.67	8.40	172.3	39.24
Warrick	28	10,945	3.10	2.83	9.40	139.6	30.57
Kentucky	27	11,697	3.25	2.78	8.77	145.5	34.03
Henderson	10	11,642	2.98	2.56	8.90	139.6	32.52
Hopkins	17	11,729	3.40	2.90	8.70	148.7	34.89
Wyoming	*	8,643	.46	.53	5.90	128.2	22.15
Campbell	*	8,643	.46	.53	5.90	128.2	22.15
Illinois Power Co Havana	**521**	**12,255**	**.63**	**.52**	**8.75**	**138.6**	**33.96**
Colorado	431	12,238	.64	.52	8.89	133.4	32.65
Gunnison	405	12,205	.65	.53	8.69	132.6	32.37
Las Animas	26	12,744	.54	.42	11.91	144.9	36.94
Kentucky	13	12,829	.84	.66	7.76	173.5	44.52
Letcher	13	12,829	.84	.66	7.76	173.5	44.52
Utah	30	11,790	.37	.31	8.26	145.5	34.31
Carbon	30	11,790	.37	.31	8.26	145.5	34.31
West Virginia	47	12,540	.66	.53	8.11	170.4	42.73
Mingo	24	13,015	.69	.53	6.90	166.0	43.22
Wayne	23	12,041	.63	.52	9.39	175.3	42.22
Illinois Power Co Hennepin	**499**	**10,939**	**2.73**	**2.50**	**9.72**	**151.6**	**33.16**
Colorado	17	10,407	.86	.83	10.50	176.6	36.76
Routt	17	10,407	.86	.83	10.50	176.6	36.76
Illinois	355	10,796	2.81	2.60	9.66	145.6	31.45
McDonough	16	11,370	2.79	2.45	6.00	162.0	36.84
Washington	339	10,769	2.81	2.61	9.83	144.8	31.19
Kentucky	79	11,164	2.91	2.61	9.90	158.6	35.42
Henderson	65	11,059	2.93	2.65	9.46	158.6	35.09
Hopkins	14	11,670	2.80	2.40	12.00	158.6	37.03

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, 1994 (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 Hennepin							
Ohio	35	11,702	3.16	2.70	8.75	177.6	41.57
Vinton	35	11,702	3.16	2.70	8.75	177.6	41.57
West Virginia	14	12,135	.76	.63	11.61	159.9	38.80
Boone	14	12,135	.76	.63	11.61	159.9	38.80
Illinois Power Co Vermilion	**309**	**10,776**	**2.32**	**2.16**	**12.17**	**129.1**	**27.83**
Illinois	5	10,023	2.94	2.92	13.08	81.4	16.31
Douglas	2	9,382	2.12	2.30	15.22	61.8	11.59
Vermilion	3	10,531	3.58	3.41	11.39	95.2	20.06
Indiana	304	10,790	2.31	2.14	12.15	129.9	28.04
Clay	33	10,229	2.08	2.03	15.28	132.4	27.09
Daviess	141	10,863	2.20	2.03	10.96	127.1	27.61
Sullivan	130	10,852	2.49	2.29	12.65	132.4	28.74
Illinois Power Co Wood River	**790**	**12,292**	**.82**	**.67**	**7.67**	**142.4**	**35.02**
Colorado	251	12,329	.62	.50	9.20	135.4	33.40
Gunnison	193	12,176	.65	.53	8.77	133.3	32.47
Las Animas	58	12,837	.53	.41	10.60	142.1	36.49
Illinois	285	12,069	1.01	.84	5.47	130.5	31.50
Jefferson	285	12,069	1.01	.84	5.47	130.5	31.50
Kentucky	207	12,632	.82	.65	8.15	164.7	41.60
Floyd	5	12,050	.74	.61	8.30	158.8	38.26
Knott	18	12,548	.97	.77	7.05	163.5	41.04
Letcher	168	12,717	.79	.63	7.98	164.1	41.73
Martin	17	12,036	1.01	.84	10.90	173.7	41.80
West Virginia	42	12,290	.80	.65	10.56	150.1	36.90
Boone	19	12,200	.77	.63	11.90	143.0	34.90
Kanawha	23	12,365	.82	.66	9.44	155.9	38.56
Wyoming	7	9,975	.50	.50	11.10	153.4	30.60
Carbon	7	9,975	.50	.50	11.10	153.4	30.60
Independence City of Blue Valley	**96**	**11,021**	**2.82**	**2.56**	**10.07**	**143.7**	**31.67**
Illinois	96	11,021	2.82	2.56	10.07	143.7	31.67
Perry	96	11,021	2.82	2.56	10.07	143.7	31.67
Indiana Michigan Power Co Tanners Creek	**1,734**	**12,267**	**1.48**	**1.23**	**10.74**	**138.0**	**33.85**
Indiana	8	10,887	2.15	1.97	8.60	150.6	32.79
Warrick	8	10,887	2.15	1.97	8.60	150.6	32.79
Kentucky	627	11,841	2.14	1.84	9.76	124.7	29.53
Christian	42	11,289	2.76	2.44	8.58	111.9	25.27
Floyd	9	12,291	.75	.61	12.16	116.5	28.64
Henderson	24	11,588	2.86	2.47	9.21	110.6	25.62
Hopkins	302	11,277	2.30	2.04	11.86	118.6	26.75
Knott	5	12,014	.68	.57	9.50	124.0	29.79
Letcher	144	13,177	1.37	1.04	5.62	150.7	39.70
Magoffin	5	12,232	.74	.61	12.06	117.8	28.82
Martin	*	12,380	.76	.61	12.30	114.6	28.37
Ohio	42	11,289	2.76	2.44	8.58	111.9	25.27
Webster	52	12,300	2.57	2.09	10.56	107.7	26.49
Pennsylvania	45	13,262	2.53	1.91	7.64	128.8	34.15
Greene	45	13,262	2.53	1.91	7.64	128.8	34.15
West Virginia	1,055	12,488	1.03	.83	11.48	145.8	36.40
Fayette	351	12,663	.67	.53	11.21	174.5	44.19
Kanawha	206	12,551	.66	.52	11.16	172.5	43.29
Lincoln	5	12,371	.64	.52	10.10	125.2	30.98
Logan	292	12,271	.65	.53	13.38	121.6	29.83
Marshall	133	12,088	2.83	2.34	10.92	98.1	23.71
Monongalia	59	13,232	2.37	1.79	6.37	107.1	28.34
Wayne	7	12,371	.64	.52	10.10	125.2	30.98
Indiana Michigan Power Co Rockport	**10,989**	**8,525**	**.31**	**.37**	**4.88**	**107.3**	**18.29**
Colorado	*	12,998	.44	.34	9.80	195.6	50.85
Las Animas	*	12,998	.44	.34	9.80	195.6	50.85
Wyoming	10,989	8,525	.31	.37	4.88	107.3	18.29
Campbell	10,989	8,525	.31	.37	4.88	107.3	18.29
Indiana-Kentucky Electric Corp Clifty Creek	**4,228**	**11,242**	**3.10**	**2.71**	**10.01**	**101.4**	**22.81**

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, 1994 (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-Kentucky Electric Corp Clifty Creek							
Indiana	1,022	11,162	3.20	2.87	9.62	97.4	21.75
Gibson	156	11,274	3.43	3.05	9.84	93.4	21.07
Spencer	569	11,089	3.17	2.86	9.85	96.2	21.34
Warrick	297	11,242	3.14	2.79	9.06	101.8	22.88
Kentucky	1,791	11,281	3.42	3.03	10.79	106.2	23.96
Daviess	609	11,145	3.38	3.03	9.08	112.4	25.05
Hopkins	662	11,454	3.46	3.02	12.47	107.1	24.53
Ohio	520	11,218	3.43	3.05	10.66	97.8	21.94
Ohio	32	10,786	3.68	3.41	11.91	101.0	21.78
Jackson	32	10,786	3.68	3.41	11.91	101.0	21.78
Virginia	75	13,715	.68	.50	6.37	157.8	43.27
Buchanan	75	13,715	.68	.50	6.37	157.8	43.27
West Virginia	906	12,153	3.82	3.14	11.43	94.9	23.08
Marshall	99	11,925	3.88	3.25	11.92	101.1	24.11
Mason	28	11,141	3.57	3.20	12.76	104.4	23.26
Ohio	779	12,219	3.82	3.13	11.32	93.9	22.94
Wyoming	402	8,792	.23	.26	4.90	91.1	16.03
Converse	402	8,792	.23	.26	4.90	91.1	16.03
Indianapolis Power & Light Co Stout	**1,399**	**11,319**	**1.94**	**1.71**	**8.25**	**115.1**	**26.06**
Indiana	1,399	11,319	1.94	1.71	8.25	115.1	26.06
Clay	207	11,073	1.71	1.54	9.41	109.1	24.15
Daviess	464	11,436	2.16	1.89	8.13	111.1	25.41
Greene	718	11,319	1.88	1.66	7.98	119.5	27.06
Knox	5	10,896	.66	.61	8.69	117.0	25.50
Owen	5	11,112	1.39	1.25	9.04	108.0	24.00
Indianapolis Power & Light Co Petersburg	**4,621**	**11,148**	**2.49**	**2.24**	**8.91**	**105.5**	**23.53**
Indiana	4,621	11,148	2.49	2.24	8.91	105.5	23.53
Daviess	1,401	11,376	2.28	2.01	8.60	96.3	21.91
Dubois	34	11,443	2.23	1.95	8.05	105.1	24.06
Greene	35	11,466	2.62	2.28	9.02	91.7	21.03
Knox	322	10,960	1.70	1.55	9.16	107.1	23.47
Pike	410	11,315	2.69	2.38	7.97	95.7	21.66
Sullivan	449	11,008	1.77	1.61	9.25	160.0	35.21
Warrick	1,970	11,002	2.89	2.63	9.22	102.0	22.45
Indianapolis Power & Light Co Pritchard	**331**	**11,436**	**1.23**	**1.08**	**6.83**	**115.9**	**26.52**
Indiana	331	11,436	1.23	1.08	6.83	115.9	26.52
Daviess	25	11,577	1.14	.98	7.25	113.4	26.26
Greene	107	11,518	1.32	1.15	6.26	113.1	26.05
Owen	164	11,467	1.20	1.05	6.70	114.9	26.35
Sullivan	35	10,938	1.15	1.06	8.82	132.0	28.88
Interstate Power Co Fox Lake	**37**	**10,990**	**1.50**	**1.36**	**9.10**	**155.9**	**34.25**
Indiana	37	10,990	1.50	1.36	9.10	155.9	34.25
Sullivan	37	10,990	1.50	1.36	9.10	155.9	34.25
Interstate Power Co Dubuque	**99**	**11,038**	**3.08**	**2.79**	**8.96**	**206.4**	**45.57**
Illinois	99	11,038	3.08	2.79	8.96	206.4	45.57
Randolph	99	11,038	3.08	2.79	8.96	206.4	45.57
Interstate Power Co Lansing	**558**	**8,620**	**.51**	**.55**	**5.04**	**232.8**	**40.13**
Illinois	52	11,437	2.11	1.84	8.72	201.1	45.99
Randolph	52	11,437	2.11	1.84	8.72	201.1	45.99
Wyoming	507	8,333	.35	.42	4.66	237.2	39.53
Campbell	507	8,333	.35	.42	4.66	237.2	39.53
Interstate Power Co Kapp	**503**	**11,630**	**1.64**	**1.42**	**7.80**	**145.4**	**33.82**
Colorado	7	11,085	.53	.48	10.50	129.7	28.75
Mesa	7	11,085	.53	.48	10.50	129.7	28.75
Illinois	226	11,589	1.63	1.41	8.56	151.7	35.17
Perry	226	11,589	1.63	1.41	8.56	151.7	35.17
Indiana	267	11,677	1.68	1.45	7.10	140.1	32.73
Pike	267	11,677	1.68	1.45	7.10	140.1	32.73

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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							
Kentucky	3	11,858	1.90	1.60	6.30	178.1	42.24
Hopkins	3	11,858	1.90	1.60	6.30	178.1	42.24
Iowa-Illinois Gas&Electric Co Riverside	**398**	**11,748**	**2.26**	**1.92**	**9.46**	**104.7**	**24.61**
Illinois	398	11,748	2.26	1.92	9.46	104.7	24.61
Franklin	398	11,748	2.26	1.92	9.46	104.7	24.61
Iowa-Illinois Gas&Electric Co Louisa	**1,721**	**8,371**	**.34**	**.41**	**5.30**	**112.1**	**18.77**
Wyoming	1,721	8,371	.34	.41	5.30	112.1	18.77
Campbell	1,721	8,371	.34	.41	5.30	112.1	18.77
Jacksonville Electric Auth St. Johns River	**3,734**	**12,197**	**.88**	**.72**	**8.58**	**155.2**	**37.85**
Kentucky	1,107	12,775	1.27	.99	8.92	173.2	44.25
Breathitt	121	12,188	.97	.80	8.21	143.8	35.05
Harlan	985	12,847	1.30	1.01	9.01	176.6	45.38
West Virginia	595	12,193	.82	.67	11.98	185.1	45.14
Logan	595	12,193	.82	.67	11.98	185.1	45.14
Imported	2,032	11,883	.69	.58	7.40	135.6	32.22
Imported Coal	2,032	11,883	.69	.58	7.40	135.6	32.22
Jamestown City of Samuel A Carlson	**93**	**12,643**	**1.89**	**1.49**	**9.30**	**135.6**	**34.30**
Pennsylvania	93	12,643	1.89	1.49	9.30	135.6	34.30
Armstrong	12	12,765	2.13	1.67	9.25	137.6	35.14
Butler	16	12,452	2.01	1.61	9.65	129.8	32.31
Clarion	60	12,690	1.78	1.40	9.09	136.8	34.73
Elk	5	12,364	2.24	1.81	10.89	134.7	33.30
Kansas City City of Quindaro	**419**	**10,923**	**1.54**	**1.37**	**8.82**	**157.8**	**34.46**
Illinois	223	11,343	2.51	2.23	10.47	179.4	40.71
Jefferson	28	10,964	3.02	2.75	10.25	111.8	24.52
Williamson	194	11,398	2.44	2.15	10.50	188.9	43.07
Wyoming	196	10,446	.42	.41	6.94	131.0	27.37
Carbon	196	10,446	.42	.41	6.94	131.0	27.37
Kansas City City of Kaw	**176**	**10,527**	**.42**	**.40**	**6.98**	**129.7**	**27.31**
Wyoming	176	10,527	.42	.40	6.98	129.7	27.31
Carbon	176	10,527	.42	.40	6.98	129.7	27.31
Kansas City City of Nearman	**841**	**8,313**	**.36**	**.43**	**5.00**	**83.2**	**13.83**
Wyoming	841	8,313	.36	.43	5.00	83.2	13.83
Campbell	841	8,313	.36	.43	5.00	83.2	13.83
Kansas City Power & Light Co Hawthorne	**1,366**	**8,900**	**.24**	**.27**	**4.69**	**93.5**	**16.64**
Wyoming	1,366	8,900	.24	.27	4.69	93.5	16.64
Campbell	1,331	8,834	.23	.26	4.69	92.3	16.30
Carbon	35	11,386	.60	.52	4.67	129.2	29.43
Kansas City Power & Light Co Iatan	**2,833**	**8,742**	**.33**	**.38**	**5.39**	**81.9**	**14.33**
Wyoming	2,833	8,742	.33	.38	5.39	81.9	14.33
Campbell	2,833	8,742	.33	.38	5.39	81.9	14.33
Kansas City Power & Light Co La Cygne	**5,413**	**8,709**	**.64**	**.66**	**6.01**	**82.0**	**14.29**
Illinois	82	11,103	3.03	2.72	9.40	127.3	28.26
Perry	82	11,103	3.03	2.72	9.40	127.3	28.26
Missouri	357	11,266	4.13	3.67	16.13	112.1	25.26
Barton	74	12,171	3.79	3.11	13.25	125.8	30.62
Bates	161	10,927	3.51	3.22	15.07	112.1	24.50
Vernon	122	11,165	5.14	4.61	19.27	103.0	23.00
Wyoming	4,974	8,486	.35	.41	5.22	78.2	13.27
Campbell	4,974	8,486	.35	.41	5.22	78.2	13.27
Kansas City Power & Light Co Montrose	**1,743**	**8,443**	**.33**	**.39**	**5.23**	**88.3**	**14.91**
Wyoming	1,743	8,443	.33	.39	5.23	88.3	14.91
Campbell	1,743	8,443	.33	.39	5.23	88.3	14.91
Kansas Power & Light Co Lawrence	**840**	**11,114**	**.42**	**.38**	**10.13**	**115.1**	**25.59**

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, 1994 (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							
Colorado	810	11,141	0.43	0.38	10.20	115.1	25.65
Routt	810	11,141	.43	.38	10.20	115.1	25.65
Wyoming	30	10,378	.42	.40	8.40	115.2	23.91
Carbon	30	10,378	.42	.40	8.40	115.2	23.91
Kansas Power & Light Co Jeffrey Energy	**7,834**	**8,237**	**.36**	**.44**	**4.62**	**110.9**	**18.27**
Wyoming	7,834	8,237	.36	.44	4.62	110.9	18.27
Campbell	7,834	8,237	.36	.44	4.62	110.9	18.27
Kansas Power & Light Co Tecumseh	**350**	**11,121**	**.43**	**.38**	**10.15**	**115.4**	**25.66**
Colorado	338	11,147	.43	.38	10.21	115.3	25.70
Routt	338	11,147	.43	.38	10.21	115.3	25.70
Wyoming	12	10,377	.42	.40	8.40	118.4	24.57
Carbon	12	10,377	.42	.40	8.40	118.4	24.57
Kentucky Power Co Big Sandy	**2,449**	**12,098**	**1.26**	**1.05**	**10.66**	**107.1**	**25.92**
Kentucky	2,449	12,098	1.26	1.05	10.66	107.1	25.92
Breathitt	363	12,139	1.30	1.07	10.61	103.9	25.22
Floyd	971	12,105	1.19	.98	10.22	108.2	26.19
Johnson	198	11,905	1.45	1.22	11.39	110.8	26.37
Knott	249	12,231	1.22	1.00	11.34	107.4	26.27
Martin	213	11,916	1.40	1.18	11.21	109.8	26.18
Perry	334	12,156	1.30	1.07	10.53	103.8	25.24
Pike	121	12,134	1.22	1.01	11.22	106.6	25.88
Kentucky Utilities Co Green River	**413**	**11,798**	**2.25**	**1.90**	**8.27**	**105.7**	**24.94**
Kentucky	413	11,798	2.25	1.90	8.27	105.7	24.94
Hopkins	413	11,798	2.25	1.90	8.27	105.7	24.94
Kentucky Utilities Co Brown	**1,522**	**12,007**	**1.60**	**1.33**	**11.80**	**116.3**	**27.92**
Kentucky	1,401	11,914	1.52	1.28	11.89	116.2	27.70
Breathitt	591	11,950	1.47	1.23	11.49	117.3	28.03
Perry	786	11,888	1.50	1.27	12.16	115.6	27.49
Whitley	25	11,881	3.23	2.72	12.81	111.6	26.52
Tennessee	121	13,077	2.48	1.90	10.71	116.6	30.49
Morgan	121	13,077	2.48	1.90	10.71	116.6	30.49
Kentucky Utilities Co Ghent	**4,649**	**12,189**	**1.12**	**.94**	**9.96**	**121.2**	**29.55**
Indiana	187	11,122	2.54	2.29	9.05	102.8	22.87
Daviess	133	11,207	2.47	2.20	8.79	105.4	23.62
Spencer	54	10,913	2.72	2.49	9.69	96.3	21.02
Kentucky	2,251	11,992	1.22	1.05	10.00	123.5	29.62
Boyd	145	11,985	.67	.56	10.75	118.4	28.37
Breathitt	68	12,278	.85	.69	8.93	127.7	31.35
Floyd	269	12,143	.66	.54	11.77	121.4	29.49
Harlan	253	12,391	.69	.56	8.76	136.2	33.76
Henderson	530	11,188	2.77	2.47	9.50	100.6	22.51
Knott	441	12,387	.68	.55	9.31	138.7	34.36
Magoffin	101	11,977	.67	.56	10.99	127.3	30.48
Perry	100	12,268	.69	.56	11.15	131.1	32.17
Pike	288	12,189	.66	.54	10.51	131.3	32.02
Webster	54	12,138	2.68	2.21	10.09	98.1	23.81
Pennsylvania	304	13,212	2.44	1.84	7.56	105.2	27.79
Greene	304	13,212	2.44	1.84	7.56	105.2	27.79
West Virginia	1,908	12,363	.66	.54	10.38	122.9	30.40
Boone	66	12,552	.73	.58	9.50	128.3	32.21
Kanawha	414	12,583	.69	.55	10.52	120.2	30.24
Logan	642	12,373	.67	.54	11.17	124.0	30.70
Mingo	460	12,271	.67	.54	9.91	124.0	30.43
Wayne	325	12,158	.61	.50	9.48	121.7	29.60
Kentucky Utilities Co Tyrone	**47**	**12,262**	**1.00**	**.81**	**10.67**	**130.0**	**31.88**
Kentucky	47	12,262	1.00	.81	10.67	130.0	31.88
Breathitt	32	12,291	1.01	.82	10.47	131.5	32.32
Clay	*	11,588	.82	.71	11.50	97.1	22.50
Perry	15	12,200	.97	.80	11.11	126.7	30.91

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, 1994 (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)
Lakeland City of Plant 3-Mcintosh	**992**	**12,936**	**1.12**	**0.87**	**8.02**	**173.4**	**44.87**
Kentucky	992	12,936	1.12	.87	8.02	173.4	44.87
Breathitt	27	12,798	1.28	1.00	7.50	194.3	49.73
Harlan	251	13,209	1.00	.76	6.40	174.8	46.18
Leslie	648	12,846	1.14	.89	8.57	171.8	44.14
Martin	9	12,036	1.36	1.13	11.10	194.7	46.87
Pike	38	12,807	1.41	1.10	9.69	170.3	43.61
Whitley	19	13,261	.99	.75	6.50	177.6	47.10
Lansing City of Eckert	**369**	**12,540**	**.87**	**.69**	**8.96**	**172.4**	**43.25**
Kentucky	324	12,559	.87	.69	8.73	171.6	43.09
Pike	324	12,559	.87	.69	8.73	171.6	43.09
West Virginia	43	12,534	.88	.70	10.74	180.1	45.14
Boone	43	12,534	.88	.70	10.74	180.1	45.14
Wyoming	2	9,057	.27	.30	5.44	138.0	25.00
Campbell	2	9,057	.27	.30	5.44	138.0	25.00
Lansing City of Erickson	**340**	**12,645**	**.87**	**.69**	**9.09**	**173.6**	**43.91**
Kentucky	225	12,670	.88	.69	8.64	174.1	44.12
Pike	225	12,670	.88	.69	8.64	174.1	44.12
Virginia	3	12,464	.80	.64	8.60	183.6	45.77
Unknown:ehp2	3	12,464	.80	.64	8.60	183.6	45.77
West Virginia	112	12,600	.85	.68	10.00	172.4	43.45
Boone	112	12,600	.85	.68	10.00	172.4	43.45
Los Angeles City of Intermountain	**4,688**	**11,770**	**.46**	**.39**	**9.19**	**145.1**	**34.15**
Utah	4,688	11,770	.46	.39	9.19	145.1	34.15
Carbon	3,695	11,650	.44	.38	9.28	154.8	36.08
Emery	993	12,218	.51	.42	8.89	110.5	26.99
Louisville Gas & Electric Co Cane Run	**1,187**	**11,521**	**3.05**	**2.65**	**10.29**	**116.2**	**26.77**
Indiana	169	10,927	2.90	2.66	9.44	105.6	23.07
Warrick	169	10,927	2.90	2.66	9.44	105.6	23.07
Kentucky	1,018	11,620	3.08	2.65	10.44	117.8	27.38
Hopkins	1,018	11,620	3.08	2.65	10.44	117.8	27.38
Louisville Gas & Electric Co Mill Creek	**3,224**	**11,564**	**3.09**	**2.67**	**9.92**	**112.4**	**25.99**
Indiana	724	11,114	3.01	2.71	9.33	98.6	21.92
Gibson	302	11,237	3.01	2.68	9.19	100.5	22.59
Warrick	422	11,026	3.01	2.73	9.42	97.3	21.45
Kentucky	2,482	11,693	3.11	2.65	10.08	116.3	27.19
Henderson	165	11,284	2.74	2.43	9.04	108.1	24.40
Hopkins	2,089	11,732	3.15	2.68	10.17	117.8	27.63
Letcher	6	11,673	2.64	2.26	13.50	116.0	27.08
Ohio	67	11,654	3.01	2.59	8.15	102.6	23.92
Perry	19	11,200	2.95	2.63	9.60	93.8	21.02
Webster	137	11,678	3.00	2.57	10.76	112.2	26.22
Ohio	8	11,668	3.58	3.07	13.14	101.8	23.76
Belmont	8	11,668	3.58	3.07	13.14	101.8	23.76
West Virginia	10	11,910	3.30	2.77	12.26	100.7	24.00
Fayette	1	11,535	4.36	3.78	13.20	94.5	21.80
Marshall	9	11,959	3.16	2.64	12.14	101.5	24.28
Louisville Gas & Electric Co Trimble County	**1,493**	**11,356**	**3.04**	**2.68**	**9.96**	**100.6**	**22.85**
Indiana	820	11,244	3.04	2.70	9.41	98.6	22.18
Gibson	371	11,398	3.09	2.71	9.21	100.2	22.85
Warrick	450	11,117	3.00	2.70	9.58	97.3	21.63
Kentucky	638	11,485	3.04	2.66	10.48	103.2	23.71
Daviess	54	10,522	3.66	3.48	12.43	79.9	16.82
Henderson	204	11,409	2.83	2.48	9.72	101.9	23.26
Letcher	9	11,282	2.37	2.10	13.30	116.6	26.31
Ohio	113	11,775	3.10	2.63	8.29	102.2	24.07
Perry	35	11,230	2.78	2.48	9.77	102.8	23.08
Webster	222	11,691	3.13	2.68	11.79	109.6	25.62
Ohio	17	11,545	3.10	2.68	14.37	100.3	23.17
Belmont	17	11,545	3.10	2.68	14.37	100.3	23.17

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, 1994 (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							
West Virginia	17	11,742	3.29	2.81	12.72	94.3	22.16
Marshall	17	11,742	3.29	2.81	12.72	94.3	22.16
Lower Colorado River Authority S Seymour-Fayette	**6,341**	**8,600**	**.37**	**.42**	**5.42**	**124.5**	**21.42**
Wyoming	6,341	8,600	.37	.42	5.42	124.5	21.42
Campbell	6,341	8,600	.37	.42	5.42	124.5	21.42
Madison Gas & Electric Co Blount	**114**	**11,301**	**1.87**	**1.66**	**9.10**	**144.1**	**32.56**
Illinois	108	11,322	1.89	1.67	8.69	143.4	32.47
Franklin	80	11,235	2.02	1.80	9.06	137.7	30.95
Jefferson	19	11,348	1.48	1.30	7.79	162.5	36.89
Saline	9	12,046	1.59	1.32	7.26	152.2	36.67
Indiana	4	10,316	2.00	1.94	21.22	173.8	35.86
Daviess	4	10,316	2.00	1.94	21.22	173.8	35.86
Kentucky	2	12,005	.83	.69	7.40	130.9	31.44
Pike	2	12,005	.83	.69	7.40	130.9	31.44
Manitowoc Public Utilities Manitowoc	**126**	**12,920**	**.89**	**.69**	**7.44**	**170.2**	**43.98**
Illinois	4	11,950	1.40	1.17	7.30	138.9	33.20
Jefferson	4	11,950	1.40	1.17	7.30	138.9	33.20
Kentucky	119	13,036	.88	.67	7.49	172.1	44.86
Clay	11	12,807	.98	.77	9.91	168.4	43.14
Knott	108	13,059	.87	.67	7.25	172.4	45.03
Wyoming	3	9,472	.68	.71	5.58	121.7	23.06
Campbell	3	9,472	.68	.71	5.58	121.7	23.06
Marquette City of Shiras	**149**	**9,011**	**.47**	**.52**	**6.46**	**177.9**	**32.07**
Montana	149	9,011	.47	.52	6.46	177.9	32.07
Big Horn	119	9,011	.46	.51	6.35	177.0	31.90
Rosebud	30	9,009	.48	.54	6.88	181.7	32.74
Metropolitan Edison Co Portland	**536**	**13,008**	**1.77**	**1.36**	**8.38**	**149.5**	**38.90**
Pennsylvania	313	12,916	1.72	1.33	8.95	160.3	41.40
Armstrong	74	13,006	1.95	1.50	8.93	165.8	43.13
Butler	15	12,822	2.30	1.79	8.61	185.0	47.45
Clearfield	23	12,911	1.87	1.45	10.37	179.9	46.46
Greene	154	12,906	1.47	1.14	8.52	150.7	38.89
Jefferson	14	12,950	2.01	1.55	9.51	159.3	41.26
Washington	8	13,361	1.57	1.18	7.01	149.3	39.90
Westmoreland	25	12,619	1.97	1.57	10.82	174.0	43.92
West Virginia	222	13,138	1.83	1.40	7.57	134.7	35.38
Monongalia	222	13,138	1.83	1.40	7.57	134.7	35.38
Metropolitan Edison Co Titus	**496**	**13,089**	**1.56**	**1.19**	**7.38**	**154.4**	**40.43**
Pennsylvania	496	13,089	1.56	1.19	7.38	154.4	40.43
Armstrong	37	12,829	1.62	1.26	10.14	164.7	42.25
Clearfield	7	12,779	1.29	1.01	9.80	203.2	51.93
Greene	385	13,144	1.56	1.19	6.67	149.9	39.39
Jefferson	22	13,092	1.41	1.08	9.90	161.6	42.32
Washington	15	13,072	1.51	1.15	7.59	186.0	48.64
Westmoreland	30	12,796	1.60	1.25	10.54	168.9	43.21
Michigan South Central Pwr Agy Endicott	**122**	**11,935**	**3.45**	**2.89**	**8.89**	**164.0**	**39.16**
Ohio	122	11,935	3.45	2.89	8.89	164.0	39.16
Holmes	122	11,935	3.45	2.89	8.89	164.0	39.16
Midwest Power Council Bluffs	**2,982**	**8,249**	**.37**	**.45**	**4.80**	**80.4**	**13.26**
Wyoming	2,982	8,249	.37	.45	4.80	80.4	13.26
Campbell	2,981	8,249	.37	.45	4.80	80.4	13.26
Carbon	*	8,300	.35	.42	4.90	60.5	10.04
Midwest Power George Neal 1/4	**5,339**	**8,701**	**.36**	**.41**	**5.24**	**80.6**	**14.03**
Wyoming	5,339	8,701	.36	.41	5.24	80.6	14.03
Campbell	4,815	8,497	.35	.41	5.05	76.3	12.96
Carbon	523	10,576	.45	.42	7.03	112.8	23.87
Minnesota Power & Light Co Boswell Energy Cen	**3,830**	**8,896**	**.62**	**.70**	**7.53**	**108.1**	**19.24**

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, 1994 (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							
Montana	3,830	8,896	0.62	0.70	7.53	108.1	19.24
Big Horn	915	9,366	.35	.37	4.22	106.8	20.01
Rosebud	2,914	8,749	.70	.81	8.57	108.6	18.99
Minnesota Power & Light Co Laskin Energy Cen	**161**	**9,082**	**.79**	**.86**	**8.97**	**110.1**	**20.00**
Kentucky	*	11,699	1.06	.91	11.57	100.0	23.40
Pike	*	11,699	1.06	.91	11.57	100.0	23.40
Montana	138	8,813	.71	.81	8.14	111.1	19.58
Rosebud	138	8,813	.71	.81	8.14	111.1	19.58
Ohio	21	10,634	1.32	1.24	14.38	98.0	20.85
Belmont	21	10,634	1.32	1.24	14.38	98.0	20.85
West Virginia	1	12,021	.64	.53	6.88	244.7	58.83
Mingo	1	12,021	.64	.53	6.88	244.7	58.83
Minnkota Power Coop Inc Young	**4,283**	**6,727**	**.96**	**1.42**	**8.63**	**54.2**	**7.29**
North Dakota	4,283	6,727	.96	1.42	8.63	54.2	7.29
Oliver	4,283	6,727	.96	1.42	8.63	54.2	7.29
Mississippi Power Co Daniel	**2,283**	**10,334**	**.44**	**.42**	**7.06**	**151.8**	**31.38**
Colorado	715	11,072	.43	.39	10.37	159.5	35.31
Routt	715	11,072	.43	.39	10.37	159.5	35.31
Kentucky	279	12,739	.68	.54	9.06	181.7	46.28
Knott	118	12,759	.68	.53	9.00	180.8	46.14
Letcher	143	12,699	.68	.54	9.32	181.3	46.05
Pike	18	12,917	.68	.53	7.51	189.8	49.03
Montana	1,288	9,402	.40	.42	4.78	138.0	25.96
Big Horn	1,288	9,402	.40	.42	4.78	138.0	25.96
Mississippi Power Co Watson	**1,156**	**12,439**	**2.30**	**1.84**	**8.72**	**133.2**	**33.14**
Illinois	1,063	12,456	2.41	1.93	8.55	131.8	32.84
Gallatin	800	12,634	2.73	2.16	8.98	128.6	32.50
Saline	262	11,913	1.44	1.21	7.23	142.2	33.87
Kentucky	31	11,934	1.05	.88	11.28	145.2	34.65
Greenup	6	11,996	.84	.70	11.75	145.5	34.92
Pike	25	11,919	1.10	.92	11.17	145.1	34.59
West Virginia	62	12,392	.94	.76	10.43	151.5	37.55
Boone	42	12,470	.94	.75	10.46	155.2	38.70
Fayette	20	12,234	.94	.77	10.35	143.9	35.21
Monongahela Power Co Albright	**521**	**12,555**	**1.52**	**1.21**	**11.62**	**105.9**	**26.60**
Pennsylvania	80	12,026	1.63	1.36	13.01	109.5	26.33
Fayette	76	12,021	1.64	1.37	13.00	110.0	26.46
Westmoreland	5	12,120	1.50	1.24	13.20	100.0	24.24
West Virginia	441	12,651	1.49	1.18	11.37	105.3	26.64
Monongalia	15	12,232	1.67	1.37	12.30	125.0	30.58
Preston	419	12,673	1.48	1.17	11.31	104.7	26.53
Upshur	8	12,285	1.64	1.34	12.77	102.5	25.19
Monongahela Power Co Ft Martin	**2,486**	**12,621**	**1.71**	**1.35**	**10.81**	**147.4**	**37.22**
Kentucky	504	12,531	.84	.67	8.58	186.1	46.65
Martin	504	12,531	.84	.67	8.58	186.1	46.65
Maryland	493	12,717	1.61	1.26	12.58	132.3	33.66
Garrett	493	12,717	1.61	1.26	12.58	132.3	33.66
Pennsylvania	48	12,218	.89	.73	11.81	129.0	31.53
Fayette	36	12,197	.88	.72	12.05	128.5	31.35
Westmoreland	12	12,279	.93	.76	11.12	130.5	32.05
West Virginia	1,441	12,632	2.07	1.64	10.96	139.8	35.32
Kanawha	61	12,348	.79	.64	10.97	133.6	33.00
Monongalia	1,380	12,645	2.12	1.68	10.96	140.1	35.42
Monongahela Power Co Harrison	**4,707**	**13,094**	**3.01**	**2.30**	**8.11**	**136.7**	**35.81**
West Virginia	4,707	13,094	3.01	2.30	8.11	136.7	35.81
Barbour	148	13,236	2.72	2.06	7.97	105.9	28.04
Harrison	3,722	13,121	3.12	2.38	7.97	144.8	37.99
Marion	40	12,495	3.52	2.82	12.03	105.7	26.43
Monongalia	736	12,955	2.49	1.93	8.64	106.9	27.71
Upshur	61	13,191	2.68	2.03	8.15	96.8	25.53

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, 1994 (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 Pleasants	**3,247**	**12,296**	**3.53**	**2.88**	**11.16**	**97.3**	**23.94**
Ohio	725	12,529	4.15	3.31	9.37	94.2	23.62
Belmont	725	12,529	4.15	3.31	9.37	94.2	23.62
Pennsylvania	791	12,228	3.03	2.48	11.87	107.8	26.36
Greene	370	12,388	2.45	1.98	12.11	126.9	31.44
Washington	420	12,086	3.54	2.93	11.66	90.5	21.88
West Virginia	1,731	12,229	3.51	2.88	11.59	93.9	22.96
Barbour	13	12,085	1.82	1.51	12.75	112.7	27.23
Harrison	394	12,426	2.99	2.41	11.53	121.2	30.12
Marion	18	11,837	2.90	2.44	11.96	110.2	26.09
Marshall	1,091	12,123	3.93	3.24	12.02	81.6	19.77
Monongalia	119	12,737	2.44	1.91	9.14	108.8	27.72
Ohio	96	12,093	2.61	2.15	9.85	94.0	22.73
Monongahela Power Co Rivesville	**129**	**12,301**	**.96**	**.78**	**12.19**	**124.1**	**30.54**
Pennsylvania	16	12,279	.85	.70	11.23	117.3	28.80
Fayette	12	12,293	.83	.68	10.71	118.4	29.10
Somerset	4	12,244	.92	.75	12.61	114.3	27.98
West Virginia	113	12,304	.98	.80	12.32	125.1	30.79
Monongalia	105	12,302	.98	.80	12.30	125.6	30.90
Preston	3	12,323	.96	.78	13.10	112.3	27.68
Upshur	5	12,336	.97	.79	12.47	123.0	30.35
Monongahela Power Co Willow Island	**374**	**12,465**	**1.49**	**1.20**	**11.94**	**116.6**	**29.06**
Pennsylvania	104	13,058	1.46	1.12	7.80	114.3	29.85
Greene	104	13,058	1.46	1.12	7.80	114.3	29.85
West Virginia	270	12,237	1.50	1.23	13.53	117.5	28.76
Barbour	237	12,228	1.54	1.26	13.72	117.9	28.84
Fayette	10	12,582	1.22	.97	10.68	118.7	29.86
Harrison	8	12,481	1.59	1.28	12.90	113.9	28.43
Kanawha	16	12,026	1.06	.88	12.73	112.2	26.98
Montana Power Co Colstrip	**9,379**	**8,536**	**.67**	**.78**	**9.18**	**68.5**	**11.70**
Montana	9,379	8,536	.67	.78	9.18	68.5	11.70
Rosebud	9,379	8,536	.67	.78	9.18	68.5	11.70
Montana Power Co Corette	**690**	**8,663**	**.60**	**.69**	**7.63**	**72.1**	**12.49**
Montana	571	8,687	.66	.76	8.20	73.7	12.81
Rosebud	571	8,687	.66	.76	8.20	73.7	12.81
Wyoming	119	8,551	.33	.38	4.90	64.2	10.98
Campbell	119	8,551	.33	.38	4.90	64.2	10.98
Montana-Dakota Utilities Co Coyote	**2,100**	**6,923**	**1.17**	**1.69**	**7.95**	**79.5**	**11.01**
North Dakota	2,100	6,923	1.17	1.69	7.95	79.5	11.01
Mercer	1,138	6,934	1.15	1.66	7.81	79.5	11.02
Oliver	962	6,909	1.20	1.74	8.12	79.6	11.00
Montana-Dakota Utilities Co Heskett	**436**	**6,990**	**.97**	**1.39**	**8.41**	**106.9**	**14.95**
North Dakota	436	6,990	.97	1.39	8.41	106.9	14.95
Mercer	247	7,016	.94	1.35	8.18	106.5	14.94
Oliver	188	6,957	1.00	1.44	8.71	107.5	14.96
Montana-Dakota Utilities Co Lewis and Clark	**241**	**6,631**	**.46**	**.70**	**8.01**	**99.9**	**13.24**
Montana	241	6,631	.46	.70	8.01	99.9	13.24
Richland	241	6,631	.46	.70	8.01	99.9	13.24
Montaup Electric Co Somerset	**233**	**12,836**	**.71**	**.56**	**8.45**	**182.2**	**46.78**
Kentucky	44	12,429	.63	.51	8.74	197.7	49.14
Pike	44	12,429	.63	.51	8.74	197.7	49.14
West Virginia	189	12,931	.73	.57	8.39	178.8	46.23
Logan	15	13,167	.79	.60	7.30	178.6	47.02
Mingo	175	12,911	.73	.56	8.48	178.8	46.16
Muscatine City of Muscatine	**778**	**9,009**	**1.26**	**1.31**	**7.25**	**83.0**	**14.95**
Illinois	160	10,967	3.02	2.76	9.36	107.6	23.59
Perry	160	10,967	3.02	2.76	9.36	107.6	23.59

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, 1994 (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)
Muscatine City of Muscatine							
Wyoming	618	8,502	0.80	0.94	6.71	74.8	12.71
Campbell	618	8,502	.80	.94	6.71	74.8	12.71
Nebraska Public Power District Gerald Gentleman	**3,923**	**8,791**	**.33**	**.37**	**5.28**	**82.2**	**14.46**
Colorado	56	11,934	.44	.37	7.88	112.6	26.88
Gunnison	56	11,934	.44	.37	7.88	112.6	26.88
Wyoming	3,866	8,745	.32	.37	5.25	81.6	14.28
Campbell	3,866	8,745	.32	.37	5.25	81.6	14.28
Nebraska Public Power District Sheldon	**726**	**8,870**	**.35**	**.39**	**5.34**	**85.6**	**15.18**
Wyoming	726	8,870	.35	.39	5.34	85.6	15.18
Campbell	679	8,737	.34	.39	5.28	83.1	14.52
Carbon	47	10,809	.46	.43	6.14	114.4	24.73
Nevada Power Co Gardner	**1,590**	**11,782**	**.49**	**.41**	**8.95**	**160.4**	**37.80**
Colorado	211	11,706	.48	.41	9.18	227.8	53.32
Gunnison	211	11,706	.48	.41	9.18	227.8	53.32
Utah	1,379	11,794	.49	.41	8.92	150.2	35.42
Carbon	1,152	11,844	.50	.42	8.92	153.5	36.37
Emery	57	11,962	.59	.49	11.14	172.3	41.21
Sevier	170	11,404	.39	.34	8.19	118.6	27.05
New England Power Co Brayton	**2,819**	**12,822**	**.95**	**.74**	**8.24**	**168.6**	**43.24**
Kentucky	138	12,543	.73	.58	8.18	174.9	43.88
Martin	120	12,610	.73	.58	7.86	176.6	44.53
Pike	18	12,096	.73	.60	10.32	163.5	39.55
Pennsylvania	120	13,049	1.43	1.10	6.44	166.4	43.43
Greene	120	13,049	1.43	1.10	6.44	166.4	43.43
West Virginia	2,159	12,823	.98	.77	8.61	170.6	43.75
Barbour	603	12,981	1.23	.95	8.21	166.6	43.24
Boone	143	12,699	.99	.78	10.29	173.1	43.98
Logan	309	12,507	.69	.55	9.78	168.8	42.22
Mingo	1,103	12,840	.93	.72	8.27	173.0	44.44
Imported	402	12,850	.70	.55	6.84	156.3	40.18
Imported Coal	402	12,850	.70	.55	6.84	156.3	40.18
New England Power Co Salem Harbor	**730**	**12,632**	**.65**	**.51**	**6.69**	**161.6**	**40.84**
West Virginia	80	12,958	.77	.59	8.71	177.5	45.99
Mingo	80	12,958	.77	.59	8.71	177.5	45.99
Imported	650	12,592	.63	.50	6.44	159.6	40.21
Imported Coal	650	12,592	.63	.50	6.44	159.6	40.21
New York State Elec & Gas Corp Goudey	**232**	**13,118**	**1.84**	**1.40**	**6.95**	**136.1**	**35.70**
Pennsylvania	162	13,045	1.57	1.21	7.02	138.0	36.01
Greene	139	12,996	1.58	1.21	7.04	137.4	35.70
Washington	24	13,351	1.55	1.16	6.82	142.1	37.95
Unknown:ehp2	*	9,595	.80	.83	19.20	23.5	4.51
West Virginia	70	13,285	2.45	1.85	6.80	131.7	35.00
Monongalia	70	13,285	2.45	1.85	6.80	131.7	35.00
New York State Elec & Gas Corp Greenidge	**257**	**12,973**	**1.90**	**1.47**	**7.71**	**136.7**	**35.47**
Pennsylvania	163	12,833	1.72	1.35	8.07	138.9	35.65
Clarion	25	12,630	2.05	1.62	9.04	133.8	33.80
Clearfield	16	12,141	1.92	1.58	12.23	147.3	35.76
Greene	94	12,950	1.63	1.26	7.06	137.2	35.53
Indiana	7	12,253	1.91	1.56	11.20	153.0	37.49
Washington	21	13,258	1.54	1.16	7.22	141.8	37.60
West Virginia	94	13,217	2.22	1.68	7.10	133.0	35.17
Monongalia	94	13,217	2.22	1.68	7.10	133.0	35.17
New York State Elec & Gas Corp Hickling	**274**	**10,662**	**.99**	**.93**	**20.50**	**130.8**	**27.89**
Pennsylvania	274	10,662	.99	.93	20.50	130.8	27.89
Cambria	3	10,400	.98	.94	22.80	132.3	27.52
Centre	23	10,223	.62	.61	21.07	129.6	26.50
Clearfield	63	10,210	1.16	1.14	19.33	127.7	26.08
Greene	2	12,847	1.31	1.02	7.30	136.4	35.05
Jefferson	17	11,627	1.16	1.00	11.82	139.7	32.49

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, 1994 (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 Hickling							
Pennsylvania							
Lycoming	143	10,900	0.90	0.83	22.55	131.7	28.72
Washington	21	10,087	1.33	1.31	16.78	132.3	26.68
Unknown:ehp2	1	8,950	.70	.78	24.00	1.0	.18
New York State Elec & Gas Corp Jennison	**139**	**11,285**	**1.12**	**.99**	**17.03**	**152.4**	**34.40**
Pennsylvania	135	11,316	1.12	.99	16.80	151.9	34.39
Cambria	2	10,990	.99	.90	20.47	147.2	32.36
Centre	12	10,021	.64	.64	18.51	153.1	30.69
Clearfield	51	10,582	1.21	1.14	18.69	143.0	30.27
Indiana	*	11,669	.74	.63	11.40	163.6	38.18
Jefferson	33	12,885	1.21	.94	9.91	155.7	40.11
Lycoming	37	11,360	1.08	.95	19.60	159.5	36.24
West Virginia	5	10,441	1.07	1.02	23.20	166.2	34.71
Webster	5	10,441	1.07	1.02	23.20	166.2	34.71
New York State Elec & Gas Corp Kintigh	**1,815**	**13,110**	**2.31**	**1.76**	**7.16**	**128.1**	**33.58**
Ohio	109	12,610	4.18	3.32	8.91	118.9	29.99
Belmont	109	12,610	4.18	3.32	8.91	118.9	29.99
Pennsylvania	870	13,087	1.68	1.28	6.69	129.3	33.84
Greene	870	13,087	1.68	1.28	6.69	129.3	33.84
West Virginia	837	13,199	2.73	2.07	7.42	128.0	33.79
Monongalia	837	13,199	2.73	2.07	7.42	128.0	33.79
New York State Elec & Gas Corp Milliken	**658**	**13,020**	**1.79**	**1.38**	**7.13**	**130.2**	**33.91**
Pennsylvania	539	12,986	1.65	1.27	7.01	130.2	33.81
Clarion	9	12,781	1.95	1.53	8.60	125.9	32.18
Greene	530	12,990	1.64	1.26	6.98	130.2	33.84
West Virginia	119	13,174	2.45	1.86	7.66	130.4	34.35
Monongalia	119	13,174	2.45	1.86	7.66	130.4	34.35
Niagara-Mohawk Power Corp Dunkirk	**1,233**	**13,059**	**2.17**	**1.66**	**7.94**	**132.9**	**34.71**
Pennsylvania	814	12,978	2.09	1.61	8.23	136.7	35.47
Armstrong	100	12,934	2.48	1.92	7.01	142.0	36.73
Clarion	7	12,553	1.56	1.24	8.07	151.1	37.94
Elk	8	10,562	1.16	1.10	13.43	127.2	26.87
Greene	585	13,089	2.06	1.57	7.94	132.6	34.72
Indiana	114	12,639	2.00	1.58	10.44	153.1	38.69
West Virginia	420	13,214	2.31	1.75	7.37	125.7	33.23
Marion	44	13,245	2.75	2.08	7.49	127.7	33.84
Monongalia	367	13,215	2.29	1.73	7.32	124.7	32.96
Webster	8	13,023	1.04	.80	9.06	161.4	42.04
Niagara-Mohawk Power Corp Huntley	**1,454**	**13,087**	**1.67**	**1.28**	**7.14**	**143.1**	**37.44**
Pennsylvania	1,333	13,077	1.66	1.27	7.17	142.6	37.29
Armstrong	24	12,607	1.47	1.17	9.77	192.6	48.56
Clarion	106	12,629	1.70	1.34	8.70	149.5	37.75
Greene	876	13,160	1.64	1.25	6.72	139.6	36.74
Indiana	149	13,019	2.02	1.55	7.51	134.1	34.93
Jefferson	63	12,867	1.28	1.00	9.63	182.5	46.97
Washington	115	13,147	1.50	1.14	6.88	138.9	36.53
West Virginia	121	13,197	1.80	1.37	6.75	148.2	39.11
Monongalia	112	13,204	1.80	1.36	6.64	145.6	38.46
Webster	9	13,110	1.85	1.41	8.10	180.5	47.33
Northern Indiana Pub Serv Co Bailly	**1,315**	**11,170**	**3.00**	**2.67**	**9.88**	**131.1**	**29.30**
Illinois	1,139	11,039	2.94	2.67	10.00	130.1	28.73
Montgomery	200	10,714	3.38	3.16	8.68	116.7	25.01
Perry	713	10,935	3.01	2.75	10.20	135.6	29.66
Saline	227	11,651	2.31	1.98	10.53	124.7	29.06
Ohio	95	12,681	4.61	3.63	9.25	127.7	32.40
Belmont	95	12,681	4.61	3.63	9.25	127.7	32.40
West Virginia	57	12,463	2.68	2.15	10.48	165.8	41.33
Lewis	57	12,463	2.68	2.15	10.48	165.8	41.33

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, 1994 (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 Bailly							
Wyoming	24	8,417	0.32	0.39	5.00	95.2	16.03
Campbell	24	8,417	.32	.39	5.00	95.2	16.03
Northern Indiana Pub Serv Co Michigan City	**1,392**	**10,203**	**.47**	**.45**	**5.77**	**156.3**	**31.89**
Utah	64	11,221	.41	.37	8.72	162.3	36.43
Carbon	43	11,263	.44	.39	8.73	156.9	35.34
Sevier	20	11,130	.35	.31	8.70	174.1	38.75
Wyoming	1,328	10,154	.47	.45	5.63	155.9	31.67
Campbell	545	8,601	.31	.36	4.76	95.4	16.41
Carbon	782	11,236	.58	.52	6.24	188.2	42.31
Northern Indiana Pub Serv Co Mitchell	**1,007**	**10,111**	**.39**	**.38**	**6.22**	**132.6**	**26.81**
Colorado	245	11,400	.39	.34	8.05	151.7	34.59
Delta	222	11,447	.38	.33	7.76	152.0	34.79
Routt	23	10,936	.45	.41	10.90	148.9	32.57
Kentucky	118	13,055	.58	.44	6.63	162.6	42.46
Martin	118	13,055	.58	.44	6.63	162.6	42.46
West Virginia	68	13,204	.67	.50	7.71	167.2	44.14
Mingo	68	13,204	.67	.50	7.71	167.2	44.14
Wyoming	576	8,592	.32	.37	5.18	106.2	18.24
Campbell	576	8,592	.32	.37	5.18	106.2	18.24
Northern Indiana Pub Serv Co Rollin Schahfer	**3,294**	**10,612**	**1.69**	**1.54**	**8.09**	**146.3**	**31.05**
Colorado	151	11,490	.38	.33	7.85	150.0	34.47
Delta	109	11,520	.36	.31	7.22	151.4	34.89
Gunnison	20	11,704	.45	.38	9.00	144.7	33.87
Routt	22	11,149	.44	.40	9.90	148.0	33.00
Illinois	1,438	10,921	3.02	2.77	10.29	141.2	30.84
Montgomery	53	10,807	3.40	3.14	8.70	121.6	26.28
Perry	1,385	10,925	3.01	2.75	10.35	141.9	31.02
Ohio	96	12,078	3.86	3.18	9.57	111.5	26.94
Belmont	53	12,648	4.37	3.45	9.10	110.5	27.94
Tuscarawas	43	11,374	3.23	2.84	10.16	113.0	25.70
Utah	146	12,084	.46	.38	8.34	171.7	41.49
Carbon	11	11,787	.36	.31	8.10	153.0	36.07
Emery	83	12,587	.53	.42	8.16	167.4	42.14
Sevier	51	11,335	.38	.33	8.70	183.6	41.61
West Virginia	32	13,109	2.61	1.99	7.80	112.1	29.39
Monongalia	32	13,109	2.61	1.99	7.80	112.1	29.39
Wyoming	1,431	9,904	.45	.44	5.78	152.2	30.16
Campbell	788	8,785	.33	.37	5.38	114.9	20.19
Carbon	643	11,277	.59	.53	6.28	187.9	42.38
Northern States Power Co Black Dog	**982**	**8,860**	**.25**	**.28**	**4.89**	**101.5**	**17.98**
Wyoming	982	8,860	.25	.28	4.89	101.5	17.98
Campbell	436	8,828	.22	.25	4.61	97.6	17.23
Converse	546	8,885	.27	.30	5.11	104.5	18.57
Northern States Power Co High Bridge	**722**	**8,744**	**.24**	**.28**	**4.72**	**114.8**	**20.07**
Wyoming	722	8,744	.24	.28	4.72	114.8	20.07
Campbell	719	8,744	.24	.28	4.72	114.8	20.07
Converse	3	8,950	.31	.35	5.20	110.8	19.83
Northern States Power Co King	**1,749**	**8,832**	**.33**	**.38**	**5.85**	**100.9**	**17.82**
Montana	427	8,743	.64	.73	9.17	106.2	18.57
Big Horn	427	8,743	.64	.73	9.17	106.2	18.57
Wyoming	1,322	8,861	.24	.27	4.77	99.2	17.57
Campbell	903	8,861	.23	.26	4.60	96.5	17.11
Converse	419	8,861	.25	.28	5.13	104.8	18.57
Northern States Power Co Riverside	**1,090**	**8,746**	**.21**	**.24**	**4.53**	**107.7**	**18.84**
Wyoming	1,090	8,746	.21	.24	4.53	107.7	18.84
Campbell	1,090	8,746	.21	.24	4.53	107.7	18.84
Northern States Power Co Sherburne County	**8,812**	**8,732**	**.48**	**.55**	**7.05**	**119.7**	**20.91**

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, 1994 (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 States Power Co Sherburne County							
Montana	4,545	8,720	0.67	0.77	9.00	124.1	21.64
Big Horn	2,868	8,736	.65	.74	9.14	110.6	19.33
Rosebud	1,677	8,692	.71	.81	8.77	147.3	25.61
Wyoming	4,266	8,746	.28	.32	4.98	115.1	20.13
Campbell	4,266	8,746	.28	.32	4.98	115.1	20.13
Ohio Edison Co Burger	**1,003**	**12,244**	**3.53**	**2.88**	**10.69**	**99.4**	**24.34**
Ohio	938	12,266	3.58	2.92	10.63	99.0	24.28
Belmont	393	12,459	4.09	3.28	9.71	87.9	21.90
Harrison	298	12,335	3.18	2.58	10.64	109.4	26.99
Jefferson	246	11,874	3.26	2.74	12.08	104.4	24.79
Pennsylvania	64	11,942	2.80	2.35	11.52	105.5	25.20
Greene	14	12,300	1.88	1.53	11.32	142.3	35.01
Washington	50	11,842	3.06	2.59	11.58	94.8	22.46
West Virginia	2	11,112	4.48	4.03	17.60	112.7	25.05
Ohio	2	11,112	4.48	4.03	17.60	112.7	25.05
Ohio Edison Co Niles	**536**	**11,917**	**2.87**	**2.41**	**11.27**	**116.4**	**27.74**
Ohio	461	11,899	2.84	2.39	11.28	117.2	27.90
Carroll	134	12,106	2.78	2.30	11.50	117.4	28.42
Columbiana	196	11,793	2.83	2.40	11.37	117.8	27.79
Harrison	32	12,183	3.19	2.62	11.33	113.9	27.75
Jefferson	36	11,815	2.65	2.24	12.30	118.7	28.06
Tuscarawas	62	11,689	2.95	2.52	9.87	115.9	27.10
Pennsylvania	75	12,027	3.06	2.55	11.25	111.2	26.74
Armstrong	11	12,069	2.98	2.47	11.14	107.9	26.05
Butler	40	11,976	3.35	2.80	11.37	108.1	25.90
Mercer	4	12,092	2.85	2.36	10.57	102.7	24.83
Washington	20	12,094	2.56	2.11	11.22	121.0	29.26
Ohio Edison Co Sammis	**5,914**	**12,078**	**1.29**	**1.07**	**11.08**	**126.6**	**30.59**
Kentucky	2,154	11,885	.84	.71	11.25	126.7	30.12
Floyd	793	11,835	.82	.69	11.27	124.1	29.37
Knott	31	11,528	.90	.78	13.01	130.6	30.11
Lawrence	182	11,680	.93	.79	12.42	122.4	28.59
Magoffin	288	11,674	.88	.75	11.16	127.4	29.74
Martin	712	12,090	.84	.70	10.85	130.3	31.51
Pike	148	11,907	.72	.61	11.44	126.2	30.04
Ohio	1,255	12,119	2.63	2.17	11.07	115.2	27.92
Belmont	7	12,315	2.99	2.43	10.70	97.4	23.99
Carroll	288	12,187	2.62	2.15	11.06	113.8	27.75
Columbiana	446	12,160	2.00	1.64	10.36	126.4	30.75
Guernsey	1	11,526	2.15	1.87	13.00	121.5	28.01
Harrison	257	12,244	3.11	2.54	11.20	107.6	26.35
Jefferson	255	11,840	3.26	2.76	12.18	104.9	24.85
Pennsylvania	484	12,273	1.90	1.55	11.34	133.7	32.81
Fayette	8	11,720	1.05	.89	10.44	126.4	29.62
Greene	420	12,330	1.81	1.47	11.46	137.2	33.84
Washington	55	11,918	2.70	2.27	10.57	106.7	25.44
West Virginia	2,021	12,211	.80	.66	10.84	132.0	32.23
Boone	91	12,060	.76	.63	10.99	128.2	30.92
Fayette	211	12,267	.79	.64	9.51	125.0	30.67
Kanawha	1,374	12,248	.75	.62	10.84	134.8	33.01
Lincoln	42	11,689	.92	.78	11.76	126.5	29.56
Mingo	198	12,105	.84	.70	11.74	130.1	31.51
Monongalia	65	12,259	1.58	1.28	10.35	115.5	28.32
Ohio	5	11,547	3.68	3.19	13.70	108.5	25.06
Webster	11	12,173	.94	.77	12.10	119.7	29.14
Unknown:ehp2	24	12,035	.83	.69	13.20	124.3	29.93
Ohio Power Co Gavin	**5,596**	**11,511**	**3.14**	**2.73**	**10.75**	**176.4**	**40.60**
Ohio	5,596	11,511	3.14	2.73	10.75	176.4	40.60
Belmont	257	12,304	4.13	3.35	10.55	97.6	24.02
Gallia	335	11,172	3.07	2.75	11.02	110.2	24.62
Jackson	335	11,172	3.07	2.75	11.02	110.2	24.62
Meigs	4,324	11,543	3.10	2.69	10.69	196.4	45.34
Vinton	344	11,173	3.07	2.75	11.01	110.2	24.63

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, 1994 (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 Kammer	**1,623**	**12,218**	**4.02**	**3.30**	**12.29**	**107.3**	**26.23**
Kentucky	35	13,289	1.41	1.06	6.30	134.2	35.67
Letcher	35	13,289	1.41	1.06	6.30	134.2	35.67
West Virginia	1,587	12,194	4.08	3.35	12.42	106.7	26.02
Marshall	1,579	12,189	4.09	3.36	12.45	106.6	25.99
Mingo	9	13,041	1.82	1.40	7.90	118.0	30.78
Ohio Power Co Mitchell	**3,395**	**12,204**	**1.20**	**.98**	**13.69**	**140.2**	**34.21**
West Virginia	3,395	12,204	1.20	.98	13.69	140.2	34.21
Boone	335	12,326	.83	.68	11.95	134.4	33.12
Clay	653	12,166	.78	.64	13.41	149.3	36.33
Fayette	5	12,360	.98	.79	12.20	112.6	27.83
Kanawha	2	12,360	.98	.79	12.20	112.6	27.83
Logan	356	12,300	.72	.58	12.80	113.1	27.82
Marion	1,603	12,200	1.50	1.23	14.32	142.6	34.80
Monongalia	415	12,100	1.39	1.15	13.93	146.6	35.47
Preston	26	12,189	1.42	1.16	12.58	113.7	27.73
Ohio Power Co Muskingum	**2,209**	**11,659**	**3.90**	**3.39**	**11.93**	**257.8**	**60.11**
Illinois	1	9,529	2.37	2.46	6.99	153.7	29.30
Saline	1	9,529	2.37	2.46	6.99	153.7	29.30
Ohio	1,799	11,506	4.62	4.02	12.07	284.7	65.52
Belmont	1	12,583	3.91	3.11	6.90	142.6	35.89
Gallia	*	12,700	1.87	1.47	4.55	222.1	56.43
Jackson	*	12,700	1.87	1.47	4.55	222.1	56.43
Jefferson	39	12,469	.62	.50	8.54	172.3	42.97
Muskingum	193	11,483	4.71	4.10	12.16	287.5	66.04
Noble	1,565	11,483	4.71	4.10	12.16	287.5	66.04
Vinton	*	12,700	1.87	1.47	4.55	222.1	56.43
West Virginia	408	12,337	.73	.60	11.28	147.4	36.36
Logan	381	12,342	.72	.58	11.24	148.9	36.76
Webster	27	12,269	.94	.77	11.80	125.6	30.82
Ohio Power Co Tidd	**117**	**12,027**	**3.17**	**2.63**	**12.37**	**136.3**	**32.78**
Indiana	3	11,028	1.45	1.31	8.80	176.0	38.82
Warrick	3	11,028	1.45	1.31	8.80	176.0	38.82
Ohio	114	12,056	3.22	2.67	12.47	135.2	32.61
Jefferson	114	12,056	3.22	2.67	12.47	135.2	32.61
Ohio Valley Electric Corp Kyger Creek	**3,547**	**12,398**	**3.36**	**2.75**	**9.93**	**117.2**	**29.06**
Kentucky	519	13,338	1.39	1.05	5.90	123.9	33.06
Floyd	53	13,086	1.49	1.14	7.18	122.0	31.93
Letcher	466	13,367	1.38	1.04	5.75	124.2	33.19
Ohio	1,416	12,158	3.95	3.25	10.02	93.4	22.70
Belmont	1,005	12,529	4.12	3.29	9.30	93.7	23.48
Harrison	42	11,735	3.56	3.03	12.44	94.6	22.19
Hocking	4	11,238	3.74	3.33	13.66	93.8	21.08
Jackson	362	11,198	3.55	3.17	11.65	92.0	20.60
Perry	3	10,911	3.50	3.21	12.67	118.2	25.79
Pennsylvania	215	13,112	1.50	1.15	6.70	118.6	31.09
Greene	215	13,112	1.50	1.15	6.70	118.6	31.09
West Virginia	1,397	12,181	3.78	3.11	11.84	138.3	33.70
Marshall	1,202	12,107	3.97	3.28	12.35	139.7	33.82
Mingo	99	13,118	1.56	1.19	6.73	123.6	32.42
Ohio	96	12,145	3.62	2.98	10.85	138.1	33.56
Oklahoma Gas & Electric Co Muskogee	**5,098**	**8,639**	**.31**	**.36**	**4.96**	**80.0**	**13.82**
Wyoming	5,098	8,639	.31	.36	4.96	80.0	13.82
Campbell	5,098	8,639	.31	.36	4.96	80.0	13.82
Oklahoma Gas & Electric Co Sooner	**3,503**	**8,564**	**.31**	**.36**	**5.02**	**79.0**	**13.53**
Wyoming	3,503	8,564	.31	.36	5.02	79.0	13.53
Campbell	3,503	8,564	.31	.36	5.02	79.0	13.53
Omaha Public Power District Nebraska City	**1,826**	**8,248**	**.38**	**.46**	**4.92**	**67.0**	**11.05**

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, 1994 (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)
Omaha Public Power District Nebraska City							
Wyoming	1,826	8,248	0.38	0.46	4.92	67.0	11.05
Campbell	1,826	8,248	.38	.46	4.92	67.0	11.05
Omaha Public Power District North Omaha	**1,531**	**8,304**	**.37**	**.45**	**5.10**	**68.0**	**11.30**
Wyoming	1,531	8,304	.37	.45	5.10	68.0	11.30
Campbell	1,531	8,304	.37	.45	5.10	68.0	11.30
Orange and Rockland Utils Inc Lovett	**774**	**12,949**	**.58**	**.45**	**7.72**	**194.2**	**50.28**
Kentucky	666	12,944	.58	.45	7.77	194.6	50.37
Pike	666	12,944	.58	.45	7.77	194.6	50.37
West Virginia	108	12,980	.60	.46	7.42	191.6	49.74
Mingo	108	12,980	.60	.46	7.42	191.6	49.74
Orlando Utilities Comm Stanton Energy	**980**	**12,790**	**.96**	**.75**	**8.60**	**185.9**	**47.54**
Kentucky	980	12,790	.96	.75	8.60	185.9	47.54
Bell	55	12,538	1.09	.87	8.20	171.1	42.90
Knott	73	12,612	1.16	.92	9.49	173.8	43.85
Leslie	9	12,581	.82	.65	7.90	176.6	44.44
Letcher	789	12,831	.93	.72	8.48	189.0	48.51
Pike	54	12,728	1.05	.83	9.61	171.5	43.66
Otter Tail Power Co Big Stone	**2,317**	**6,049**	**.91**	**1.51**	**8.81**	**108.3**	**13.10**
North Dakota	2,317	6,049	.91	1.51	8.81	108.3	13.10
Bowman	2,317	6,049	.91	1.51	8.81	108.3	13.10
Otter Tail Power Co Hoot Lake	**288**	**9,286**	**.32**	**.35**	**3.97**	**123.1**	**22.86**
Montana	288	9,286	.32	.35	3.97	123.1	22.86
Big Horn	288	9,286	.32	.35	3.97	123.1	22.86
Owensboro City of Smith	**1,046**	**11,180**	**2.79**	**2.49**	**9.17**	**93.6**	**20.93**
Indiana	1	11,370	3.15	2.77	9.00	99.4	22.60
Warrick	1	11,370	3.15	2.77	9.00	99.4	22.60
Kentucky	1,045	11,180	2.79	2.49	9.17	93.6	20.93
Daviess	790	11,099	2.74	2.47	9.03	90.7	20.13
Henderson	32	11,177	3.10	2.78	9.45	100.0	22.35
Ohio	224	11,463	2.89	2.52	9.61	102.7	23.55
PacifiCorp Carbon	**624**	**11,781**	**.44**	**.37**	**9.13**	**59.2**	**13.94**
Utah	624	11,781	.44	.37	9.13	59.2	13.94
Emery	624	11,781	.44	.37	9.13	59.2	13.94
PacifiCorp Centralia	**6,135**	**8,393**	**.65**	**.80**	**13.07**	**136.2**	**22.86**
Montana	1,092	9,391	.33	.35	3.99	123.2	23.14
Big Horn	1,092	9,391	.33	.35	3.99	123.2	23.14
Utah	409	11,452	.40	.35	9.51	127.4	29.18
Emery	162	11,680	.47	.40	11.49	124.5	29.10
Sevier	247	11,302	.36	.32	8.21	129.3	29.23
Washington	4,634	7,888	.74	.94	15.53	141.0	22.24
Lewis	2,219	7,910	.74	.93	15.51	143.1	22.64
Thurston	2,415	7,868	.75	.96	15.55	139.0	21.87
PacifiCorp Emery-Hunter	**3,980**	**11,207**	**.50**	**.45**	**12.34**	**89.8**	**20.13**
Utah	3,980	11,207	.50	.45	12.34	89.8	20.13
Emery	3,980	11,207	.50	.45	12.34	89.8	20.13
PacifiCorp Huntington	**3,447**	**11,764**	**.46**	**.39**	**9.77**	**65.4**	**15.38**
Utah	3,447	11,764	.46	.39	9.77	65.4	15.38
Emery	3,447	11,764	.46	.39	9.77	65.4	15.38
PacifiCorp Jim Bridger	**9,002**	**9,454**	**.61**	**.65**	**10.79**	**102.2**	**19.33**
Wyoming	9,002	9,454	.61	.65	10.79	102.2	19.33
Sweetwater	9,002	9,454	.61	.65	10.79	102.2	19.33
PacifiCorp Johnston	**4,466**	**7,909**	**.43**	**.55**	**9.51**	**58.2**	**9.20**

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, 1994 (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)
PacifiCorp Johnston							
Wyoming	4,466	7,909	0.43	0.55	9.51	58.2	9.20
Campbell	1,296	8,378	.34	.41	5.37	49.1	8.22
Converse	3,170	7,717	.46	.60	11.20	62.2	9.61
PacifiCorp Naughton	**2,784**	**9,812**	**.75**	**.76**	**5.43**	**113.5**	**22.28**
Wyoming	2,784	9,812	.75	.76	5.43	113.5	22.28
Lincoln	2,784	9,812	.75	.76	5.43	113.5	22.28
PacifiCorp Wyodak	**1,952**	**7,948**	**.54**	**.68**	**6.99**	**67.4**	**10.72**
Wyoming	1,952	7,948	.54	.68	6.99	67.4	10.72
Campbell	1,952	7,948	.54	.68	6.99	67.4	10.72
Painesville City of Painesville	**110**	**12,292**	**2.86**	**2.33**	**7.01**	**140.8**	**34.62**
Ohio	110	12,292	2.86	2.33	7.01	140.8	34.62
Columbiana	110	12,292	2.86	2.33	7.01	140.8	34.62
Pennsylvania Electric Co Conemaugh	**4,219**	**12,471**	**2.15**	**1.72**	**13.32**	**120.8**	**30.12**
Pennsylvania	4,219	12,471	2.15	1.72	13.32	120.8	30.12
Armstrong	238	12,610	2.13	1.69	11.36	118.4	29.85
Cambria	413	12,468	2.06	1.65	12.29	120.3	29.99
Centre	75	12,570	2.11	1.68	11.82	120.8	30.37
Clearfield	42	12,489	2.24	1.79	14.46	110.4	27.58
Fayette	72	12,267	2.32	1.89	13.47	110.6	27.13
Indiana	720	12,451	2.15	1.73	13.71	116.8	29.09
Somerset	2,452	12,476	2.14	1.72	13.64	122.7	30.61
Westmoreland	207	12,351	2.28	1.85	12.83	121.6	30.03
Pennsylvania Electric Co Homer City	**4,808**	**11,750**	**1.84**	**1.62**	**17.31**	**148.9**	**34.98**
Pennsylvania	4,772	11,741	1.85	1.63	17.37	149.0	34.98
Armstrong	516	11,335	1.97	1.74	19.81	106.0	24.02
Cambria	17	11,639	2.29	1.97	17.65	113.3	26.38
Clearfield	39	12,811	.66	.52	11.05	164.2	42.07
Fayette	114	11,887	1.68	1.46	16.11	124.3	29.55
Indiana	3,360	11,747	1.88	1.66	17.40	160.1	37.62
Jefferson	116	12,463	.99	.82	11.55	157.5	39.25
Somerset	517	11,921	1.72	1.49	16.39	129.4	30.86
Westmoreland	93	11,273	2.43	2.15	19.64	104.1	23.48
West Virginia	36	12,837	.63	.49	10.16	134.2	34.46
Randolph	14	12,619	.51	.40	11.35	93.9	23.69
Wyoming	22	12,976	.71	.55	9.41	159.2	41.30
Pennsylvania Electric Co Keystone	**3,999**	**12,319**	**1.64**	**1.33**	**12.99**	**140.0**	**34.49**
Pennsylvania	3,999	12,319	1.64	1.33	12.99	140.0	34.49
Allegheny	15	12,211	2.05	1.68	13.56	111.4	27.20
Armstrong	2,531	12,327	1.67	1.35	12.83	138.4	34.12
Clearfield	39	12,583	2.19	1.74	13.02	102.4	25.77
Indiana	1,387	12,298	1.57	1.27	13.27	144.9	35.64
Jefferson	14	12,320	2.12	1.73	12.81	109.4	26.95
Westmoreland	13	12,242	1.87	1.53	14.00	106.6	26.10
Pennsylvania Electric Co Seward	**564**	**12,263**	**1.50**	**1.22**	**13.30**	**116.2**	**28.49**
Pennsylvania	564	12,263	1.50	1.22	13.30	116.2	28.49
Clearfield	18	12,280	1.47	1.20	12.79	120.2	29.53
Fayette	176	12,107	1.48	1.23	13.50	115.0	27.84
Indiana	52	12,227	1.50	1.23	13.39	119.3	29.18
Somerset	309	12,361	1.50	1.22	13.19	116.1	28.71
Westmoreland	9	12,097	1.54	1.27	13.60	113.4	27.44
Pennsylvania Electric Co Shawville	**1,310**	**12,308**	**1.85**	**1.50**	**13.27**	**125.8**	**30.96**
Pennsylvania	1,310	12,308	1.85	1.50	13.27	125.8	30.96
Cambria	21	12,331	1.93	1.56	12.70	127.1	31.34
Clearfield	1,267	12,313	1.85	1.50	13.28	125.9	31.00
Indiana	10	11,890	1.50	1.26	15.20	111.2	26.44
Jefferson	3	12,213	2.01	1.65	11.00	133.4	32.58
Somerset	9	12,128	1.80	1.49	12.28	120.5	29.22
Pennsylvania Electric Co Warren	**228**	**12,226**	**1.58**	**1.29**	**11.74**	**135.7**	**33.19**

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, 1994 (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 Warren							
Pennsylvania	228	12,226	1.58	1.29	11.74	135.7	33.19
Armstrong	32	12,320	1.55	1.26	10.84	142.7	35.17
Butler	31	12,297	1.65	1.34	11.11	135.3	33.29
Clarion	4	11,445	1.16	1.01	11.60	118.9	27.22
Clearfield	13	12,050	1.64	1.36	11.65	142.2	34.28
Elk	27	12,074	1.54	1.28	11.81	131.8	31.82
Jefferson	121	12,262	1.58	1.29	12.13	134.7	33.03
Pennsylvania Power & Light Co Brunner Island	**2,772**	**13,082**	**1.83**	**1.40**	**8.39**	**147.9**	**38.71**
Pennsylvania	2,763	13,082	1.83	1.40	8.39	148.0	38.72
Clarion	119	12,754	1.87	1.47	9.14	132.7	33.86
Greene	2,151	13,198	1.76	1.33	7.47	148.3	39.15
Indiana	483	12,657	2.12	1.68	12.27	150.3	38.05
Washington	10	12,620	1.86	1.47	11.80	150.0	37.86
West Virginia	9	13,061	2.38	1.82	8.90	129.6	33.85
Monongalia	9	13,061	2.38	1.82	8.90	129.6	33.85
Pennsylvania Power & Light Co Holtwood	**327**	**7,377**	**.53**	**.73**	**36.46**	**114.0**	**16.83**
Pennsylvania	327	7,377	.53	.73	36.46	114.0	16.83
Berks	24	10,544	.47	.44	14.48	151.3	31.91
Dauphin	3	10,231	.78	.77	23.23	139.5	28.54
Schuylkill	182	7,278	.57	.77	37.34	98.5	14.33
Unknown:ehp2	118	6,813	.49	.72	39.91	127.0	17.30
Pennsylvania Power & Light Co Martins Creek	**419**	**13,215**	**1.79**	**1.35**	**7.87**	**149.6**	**39.54**
Pennsylvania	419	13,215	1.79	1.35	7.87	149.6	39.54
Greene	360	13,231	1.83	1.38	7.53	150.6	39.84
Jefferson	59	13,118	1.52	1.16	9.97	143.6	37.67
Pennsylvania Power & Light Co Montour	**3,544**	**12,658**	**1.88**	**1.49**	**12.46**	**145.5**	**36.83**
Kentucky	58	13,107	.64	.49	6.94	169.9	44.54
Martin	58	13,107	.64	.49	6.94	169.9	44.54
Pennsylvania	3,303	12,627	1.96	1.56	12.76	144.2	36.42
Cambria	908	12,621	1.94	1.54	12.82	144.5	36.47
Clearfield	1,426	12,659	2.01	1.59	13.02	142.7	36.14
Greene	113	13,246	1.73	1.31	7.61	147.9	39.19
Indiana	655	12,474	1.95	1.56	13.14	146.2	36.46
Jefferson	151	12,622	1.90	1.51	11.92	143.9	36.32
Somerset	50	12,467	2.00	1.61	13.32	150.0	37.40
West Virginia	183	13,070	.83	.63	8.87	159.7	41.73
Fayette	10	12,686	.81	.64	9.80	176.8	44.86
Logan	30	13,330	.71	.53	7.67	153.6	40.95
Mingo	80	13,099	.73	.56	8.54	164.5	43.09
Webster	53	13,019	1.06	.81	9.35	149.6	38.95
Unknown:ehp2	10	12,698	.78	.61	11.60	176.4	44.80
Pennsylvania Power & Light Co Sunbury	**918**	**10,296**	**1.32**	**1.21**	**23.24**	**128.6**	**26.48**
Pennsylvania	918	10,296	1.32	1.21	23.24	128.6	26.48
Armstrong	11	12,777	1.58	1.24	9.97	139.3	35.60
Centre	34	12,281	1.69	1.36	15.27	133.3	32.74
Clarion	21	12,813	1.73	1.35	9.03	133.8	34.28
Clearfield	465	12,186	1.80	1.50	14.52	145.1	35.36
Indiana	5	12,654	2.12	1.68	12.22	141.0	35.69
Jefferson	5	12,500	1.80	1.44	12.96	142.3	35.59
Northumberland	101	8,307	.78	.95	31.05	79.9	13.28
Schuylkill	82	7,052	.53	.75	38.47	95.6	13.48
Somerset	15	12,471	1.80	1.45	14.11	141.6	35.32
Unknown:ehp2	179	6,859	.50	.74	39.87	94.0	12.90
Pennsylvania Power Co New Castle	**613**	**12,176**	**1.61**	**1.32**	**10.19**	**122.4**	**29.80**
Ohio	163	12,372	1.73	1.40	8.98	123.9	30.66
Columbiana	153	12,410	1.71	1.38	8.85	123.7	30.70
Guernsey	10	11,778	2.10	1.78	10.99	127.1	29.95
Pennsylvania	450	12,105	1.57	1.29	10.63	121.8	29.49
Allegheny	1	10,900	2.02	1.85	21.00	126.6	27.60
Armstrong	16	12,217	1.42	1.16	10.18	120.5	29.45
Beaver	4	11,790	1.59	1.35	10.23	120.8	28.48

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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 Co New Castle							
Pennsylvania							
Butler	227	11,988	1.48	1.23	9.97	120.4	28.87
Greene	30	12,481	1.61	1.29	11.37	126.9	31.68
Washington	169	12,207	1.69	1.38	11.38	122.8	29.99
Westmoreland	2	11,549	1.62	1.40	11.15	126.0	29.11
Pennsylvania Power Co Bruce Mansfield	**5,023**	**12,047**	**3.77**	**3.13**	**12.00**	**166.8**	**40.19**
Ohio	2,253	12,047	3.75	3.11	11.90	166.7	40.18
Harrison	290	12,057	3.81	3.16	12.01	167.5	40.38
Jefferson	110	12,038	3.83	3.18	11.93	156.8	37.74
Mahoning	35	12,046	3.62	3.01	12.00	166.6	40.14
Monroe	1,766	12,046	3.75	3.11	11.89	166.8	40.19
Tuscarawas	52	12,032	3.41	2.83	11.70	181.9	43.77
Pennsylvania	293	12,051	3.70	3.07	11.86	172.5	41.57
Butler	23	12,070	3.55	2.94	11.60	173.4	41.85
Greene	110	12,067	3.58	2.97	11.49	180.1	43.46
Washington	155	12,038	3.81	3.17	12.14	166.7	40.14
Westmoreland	4	11,981	3.81	3.18	13.00	181.7	43.54
West Virginia	2,477	12,046	3.80	3.15	12.10	166.2	40.05
Marshall	2,326	12,046	3.81	3.16	12.12	166.0	39.98
Monongalia	99	12,053	3.66	3.03	11.93	168.8	40.68
Ohio	53	12,061	3.69	3.06	11.83	173.2	41.79
Philadelphia Electric Co Cromby	**251**	**13,203**	**1.85**	**1.40**	**7.39**	**141.7**	**37.43**
Kentucky	1	12,842	.56	.44	8.50	192.3	49.39
Pike	1	12,842	.56	.44	8.50	192.3	49.39
Pennsylvania	236	13,201	1.83	1.38	7.35	140.2	37.02
Greene	123	13,218	1.99	1.51	7.88	142.2	37.59
Washington	113	13,182	1.65	1.25	6.77	138.1	36.40
West Virginia	14	13,268	2.26	1.71	8.00	163.6	43.41
Barbour	14	13,268	2.26	1.71	8.00	163.6	43.41
Philadelphia Electric Co Eddystone	**1,186**	**13,195**	**1.87**	**1.42**	**7.74**	**145.7**	**38.45**
Kentucky	6	12,842	.56	.44	8.22	192.3	49.39
Pike	6	12,842	.56	.44	8.22	192.3	49.39
Pennsylvania	979	13,188	1.83	1.39	7.69	145.9	38.48
Armstrong	23	12,837	2.12	1.65	10.93	151.8	38.96
Clarion	29	12,690	2.17	1.71	9.72	141.2	35.83
Greene	540	13,248	1.95	1.47	7.73	146.0	38.69
Jefferson	15	12,516	2.21	1.77	12.42	155.5	38.92
Washington	372	13,188	1.60	1.22	7.07	145.4	38.34
West Virginia	201	13,241	2.08	1.57	7.98	143.4	37.97
Barbour	142	13,210	1.95	1.48	8.47	145.6	38.46
Monongalia	59	13,316	2.39	1.80	6.81	138.1	36.78
Plains Elec Gen&Trans Coop Inc Escalante	**927**	**9,064**	**.69**	**.77**	**18.41**	**134.5**	**24.38**
New Mexico	927	9,064	.69	.77	18.41	134.5	24.38
Mckinley	927	9,064	.69	.77	18.41	134.5	24.38
Platte River Power Authority Rawhide	**1,095**	**8,854**	**.26**	**.30**	**5.21**	**71.4**	**12.64**
Wyoming	1,095	8,854	.26	.30	5.21	71.4	12.64
Converse	1,095	8,854	.26	.30	5.21	71.4	12.64
Portland General Electric Co Boardman	**2,223**	**8,937**	**.37**	**.42**	**5.89**	**107.3**	**19.18**
Utah	100	11,264	.37	.33	8.73	109.5	24.67
Sevier	100	11,264	.37	.33	8.73	109.5	24.67
Wyoming	2,123	8,828	.37	.42	5.75	107.2	18.92
Campbell	1,548	8,569	.34	.40	5.23	105.6	18.11
Sweetwater	575	9,523	.46	.48	7.17	110.8	21.11
Potomac Edison Co Smith	**129**	**12,614**	**.91**	**.72**	**12.29**	**133.9**	**33.79**
Maryland	129	12,614	.91	.72	12.29	133.9	33.79
Allegany	52	12,871	.95	.74	10.90	133.8	34.45
Garrett	78	12,442	.89	.71	13.22	134.0	33.35
Potomac Electric Power Co Chalk	**1,233**	**12,816**	**1.59**	**1.24**	**10.82**	**166.5**	**42.69**

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, 1994 (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 Chalk							
Maryland	172	12,742	1.64	1.29	11.12	181.2	46.17
Garrett	172	12,742	1.64	1.29	11.12	181.2	46.17
Pennsylvania	911	12,790	1.61	1.27	10.97	165.0	42.21
Cambria	241	12,771	1.46	1.15	9.73	158.4	40.46
Clearfield	296	12,684	1.80	1.42	11.11	169.3	42.96
Somerset	374	12,886	1.56	1.22	11.67	165.9	42.76
West Virginia	150	13,056	1.36	1.04	9.57	159.2	41.57
Barbour	1	13,212	1.24	.94	7.50	168.1	44.42
Grant	136	13,020	1.37	1.05	9.64	158.5	41.28
Preston	13	13,417	1.35	1.00	8.98	165.2	44.33
Potomac Electric Power Co Dickerson	**1,113**	**12,771**	**1.40**	**1.10**	**9.93**	**145.8**	**37.25**
West Virginia	1,113	12,771	1.40	1.10	9.93	145.8	37.25
Barbour	7	13,064	1.32	1.01	7.40	136.4	35.64
Preston	1,092	12,770	1.41	1.10	9.93	145.9	37.27
Randolph	7	12,726	1.02	.80	10.20	147.4	37.52
Upshur	7	12,814	1.24	.97	11.80	137.6	35.26
Potomac Electric Power Co Morgantown	**2,067**	**13,037**	**1.47**	**1.13**	**10.14**	**169.4**	**44.17**
Maryland	723	13,097	1.52	1.16	9.98	174.3	45.66
Garrett	723	13,097	1.52	1.16	9.98	174.3	45.66
Pennsylvania	945	12,946	1.50	1.16	10.76	168.3	43.59
Cambria	115	13,035	1.39	1.07	9.19	156.5	40.79
Clearfield	371	12,804	1.64	1.28	11.12	171.3	43.88
Indiana	7	12,845	1.70	1.32	11.40	166.6	42.80
Somerset	452	13,042	1.41	1.08	10.86	169.0	44.07
West Virginia	399	13,144	1.33	1.02	8.94	163.0	42.84
Barbour	40	13,145	1.19	.90	7.96	168.8	44.39
Grant	210	13,120	1.39	1.06	9.51	158.2	41.51
Preston	142	13,204	1.31	.99	8.45	167.9	44.33
Randolph	7	12,641	1.14	.90	7.10	172.6	43.64
Potomac Electric Power Co Potomac River	**863**	**13,010**	**.80**	**.61**	**8.66**	**174.2**	**45.33**
Kentucky	209	12,951	.81	.62	9.08	172.4	44.67
Pike	209	12,951	.81	.62	9.08	172.4	44.67
Virginia	174	12,958	.87	.67	8.68	188.7	48.89
Buchanan	14	13,342	.87	.65	6.58	194.5	51.91
Russell	17	12,844	.79	.61	8.56	181.5	46.63
Wise	143	12,934	.88	.68	8.89	188.9	48.87
West Virginia	480	13,055	.77	.59	8.47	169.8	44.34
Fayette	144	13,342	.79	.59	8.21	165.5	44.17
Mcdowell	17	13,147	.61	.46	8.42	171.7	45.14
Mingo	299	12,922	.76	.59	8.58	171.1	44.21
Randolph	9	12,910	1.00	.78	8.00	194.2	50.14
Wyoming	11	12,918	.64	.49	9.09	169.9	43.90
PSI Energy Inc Cayuga	**3,106**	**11,136**	**1.93**	**1.73**	**9.50**	**131.3**	**29.23**
Illinois	196	11,881	1.60	1.35	7.18	112.3	26.68
Jefferson	145	11,774	1.66	1.41	7.39	118.0	27.79
Saline	51	12,187	1.41	1.16	6.58	96.4	23.50
Indiana	2,910	11,086	1.95	1.76	9.65	132.6	29.41
Clay	37	11,244	1.67	1.48	8.16	109.3	24.57
Daviess	545	11,237	2.17	1.93	9.46	129.1	29.01
Greene	294	11,248	1.77	1.57	8.34	124.4	27.97
Sullivan	2,034	11,019	1.92	1.75	9.92	135.3	29.81
PSI Energy Inc Edwardsport	**206**	**11,160**	**2.29**	**2.04**	**9.36**	**105.2**	**23.48**
Indiana	206	11,160	2.29	2.04	9.36	105.2	23.48
Daviess	59	11,083	2.40	2.17	9.40	97.2	21.56
Greene	56	11,763	2.61	2.22	7.89	88.6	20.84
Knox	91	10,842	2.01	1.86	10.22	121.4	26.32
PSI Energy Inc Gallagher	**1,518**	**12,155**	**1.88**	**1.54**	**8.65**	**122.6**	**29.81**
Illinois	363	11,905	1.53	1.29	7.19	130.0	30.96
Clinton	17	11,393	2.10	1.84	9.80	146.2	33.31
Jefferson	134	11,728	1.63	1.39	7.38	126.1	29.58
Saline	211	12,060	1.43	1.18	6.86	131.2	31.65

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, 1994 (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 Gallagher							
Indiana	327	11,062	1.82	1.64	8.77	121.5	26.88
Clay	33	10,889	.86	.79	8.75	95.8	20.87
Daviess	163	11,076	1.76	1.59	9.38	124.8	27.65
Dubois	38	10,961	1.77	1.61	9.60	137.3	30.11
Gibson	2	11,346	2.13	1.88	7.70	108.6	24.64
Warrick	90	11,140	2.31	2.07	7.34	118.5	26.40
Kentucky	304	11,849	1.73	1.47	11.81	132.6	31.42
Floyd	27	11,694	1.80	1.54	11.97	133.0	31.10
Johnson	6	11,911	1.28	1.07	10.41	128.7	30.67
Knox	18	11,812	1.83	1.55	10.70	128.6	30.39
Martin	186	11,704	1.79	1.53	13.54	130.8	30.63
Perry	49	12,616	1.39	1.11	6.68	135.2	34.11
Unknown:ehp2	18	11,482	2.07	1.80	9.17	148.7	34.14
Pennsylvania	492	13,237	2.29	1.73	7.59	112.9	29.89
Greene	492	13,237	2.29	1.73	7.59	112.9	29.89
West Virginia	32	12,451	1.30	1.04	10.41	121.3	30.20
Boone	10	13,235	1.42	1.07	8.00	124.7	33.01
Kanawha	22	12,082	1.24	1.03	11.55	119.5	28.88
PSI Energy Inc Gibson Station	**9,731**	**10,826**	**1.88**	**1.73**	**8.98**	**142.6**	**30.87**
Illinois	7,419	10,952	2.24	2.05	9.45	147.2	32.24
Clinton	2,985	10,852	3.37	3.10	8.00	136.5	29.62
Jefferson	207	12,076	1.28	1.06	5.59	121.2	29.27
Saline	124	12,019	1.42	1.19	6.73	118.2	28.41
Wabash	4,103	10,936	1.49	1.36	10.78	157.3	34.41
Indiana	1,162	11,156	1.02	.92	8.37	129.6	28.92
Clay	205	11,091	.76	.68	8.79	135.2	29.99
Daviess	368	11,516	.79	.69	6.94	121.6	28.02
Greene	10	11,690	.90	.77	6.48	108.9	25.45
Knox	580	10,941	1.27	1.16	9.17	133.3	29.17
Kentucky	102	12,280	.91	.74	9.65	152.0	37.32
Floyd	65	12,243	.91	.74	9.56	149.2	36.53
Perry	6	11,942	.98	.82	10.42	139.2	33.25
Pike	14	12,511	.94	.75	9.39	159.8	40.00
Unknown:ehp2	17	12,355	.86	.69	9.96	160.6	39.67
West Virginia	203	12,136	.80	.66	10.99	149.5	36.28
Kanawha	81	12,335	.70	.57	10.94	138.1	34.07
Mingo	122	12,003	.86	.72	11.03	157.2	37.75
Wyoming	844	8,768	.33	.37	5.17	111.0	19.46
Campbell	844	8,768	.33	.37	5.17	111.0	19.46
PSI Energy Inc Noblesville	**145**	**11,394**	**2.47**	**2.16**	**8.90**	**127.6**	**29.09**
Indiana	145	11,394	2.47	2.16	8.90	127.6	29.09
Clay	29	11,158	1.89	1.69	9.67	133.8	29.86
Greene	116	11,452	2.61	2.28	8.71	126.2	28.90
PSI Energy Inc Wabash River	**1,465**	**11,153**	**1.67**	**1.49**	**8.83**	**120.9**	**26.97**
Indiana	1,465	11,153	1.67	1.49	8.83	120.9	26.97
Daviess	428	11,175	1.77	1.59	8.75	114.9	25.68
Greene	655	11,258	1.76	1.56	8.30	117.7	26.51
Sullivan	383	10,948	1.40	1.27	9.81	133.3	29.19
Public Service Co of Colorado Arapahoe	**733**	**11,142**	**.48**	**.44**	**9.68**	**109.4**	**24.38**
Colorado	722	11,174	.49	.44	9.61	109.8	24.53
Gunnison	116	11,726	.47	.40	8.96	116.3	27.27
Moffat	17	10,553	.43	.41	7.62	109.9	23.19
Routt	590	11,084	.49	.44	9.80	108.4	24.04
Montana	10	8,927	.38	.43	14.66	76.2	13.60
Big Horn	10	8,927	.38	.43	14.66	76.2	13.60
Public Service Co of Colorado Cameo	**286**	**11,337**	**.58**	**.51**	**8.94**	**86.5**	**19.62**
Colorado	286	11,337	.58	.51	8.94	86.5	19.62
Garfield	5	11,316	.55	.49	13.73	92.0	20.82
Mesa	282	11,338	.58	.51	8.87	86.4	19.60
Public Service Co of Colorado Cherokee	**1,848**	**11,099**	**.42**	**.38**	**9.56**	**113.4**	**25.16**

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, 1994 (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 Co of Colorado Cherokee							
Colorado	1,848	11,099	0.42	0.38	9.56	113.4	25.16
Gunnison	223	11,778	.46	.39	8.72	101.6	23.92
Mesa	386	11,102	.42	.38	10.23	114.1	25.34
Moffat	410	10,592	.40	.37	8.30	115.2	24.41
Routt	828	11,166	.42	.38	10.11	115.5	25.79
Public Service Co of Colorado Comanche	**2,087**	**8,539**	**.29**	**.34**	**4.51**	**102.3**	**17.48**
Wyoming	2,087	8,539	.29	.34	4.51	102.3	17.48
Campbell	2,087	8,539	.29	.34	4.51	102.3	17.48
Public Service Co of Colorado Hayden	**1,537**	**10,614**	**.43**	**.40**	**9.28**	**95.6**	**20.28**
Colorado	1,537	10,614	.43	.40	9.28	95.6	20.28
Routt	1,537	10,614	.43	.40	9.28	95.6	20.28
Public Service Co of Colorado Pawnee	**1,945**	**8,242**	**.35**	**.43**	**4.55**	**94.1**	**15.52**
Wyoming	1,945	8,242	.35	.43	4.55	94.1	15.52
Campbell	1,945	8,242	.35	.43	4.55	94.1	15.52
Public Service Co of Colorado Valmont	**534**	**11,300**	**.53**	**.47**	**9.29**	**107.7**	**24.33**
Colorado	534	11,300	.53	.47	9.29	107.7	24.33
Gunnison	230	11,723	.47	.40	8.98	112.2	26.30
Routt	303	10,979	.57	.52	9.53	104.0	22.84
Public Service Co of NH Merrimack	**979**	**13,197**	**1.78**	**1.35**	**6.86**	**154.1**	**40.67**
Pennsylvania	707	13,176	1.57	1.19	6.61	156.5	41.25
Greene	707	13,176	1.57	1.19	6.61	156.5	41.25
West Virginia	272	13,253	2.34	1.76	7.50	147.8	39.17
Barbour	262	13,254	2.33	1.76	7.55	148.0	39.24
Monongalia	11	13,241	2.34	1.77	6.30	141.1	37.37
Public Service Co of NH Schiller	**276**	**12,446**	**.58**	**.47**	**4.74**	**144.9**	**36.07**
Imported	276	12,446	.58	.47	4.74	144.9	36.07
Imported Coal	276	12,446	.58	.47	4.74	144.9	36.07
Public Service Co of NM San Juan	**5,980**	**9,475**	**.87**	**.91**	**23.40**	**170.5**	**32.30**
New Mexico	5,980	9,475	.87	.91	23.40	170.5	32.30
San Juan	5,980	9,475	.87	.91	23.40	170.5	32.30
Public Service Co of Oklahoma Northeastern	**3,132**	**8,531**	**.39**	**.46**	**5.45**	**143.7**	**24.51**
Wyoming	3,132	8,531	.39	.46	5.45	143.7	24.51
Campbell	3,132	8,531	.39	.46	5.45	143.7	24.51
Public Service Electric&Gas Co Hudson	**567**	**13,118**	**.77**	**.58**	**7.48**	**200.9**	**52.71**
Kentucky	251	13,158	.73	.56	7.48	202.1	53.19
Pike	251	13,158	.73	.56	7.48	202.1	53.19
West Virginia	294	13,102	.80	.61	7.53	202.5	53.05
Boone	90	13,007	.80	.61	7.18	200.0	52.02
Mingo	98	13,323	.68	.51	6.81	195.1	51.98
Preston	7	13,039	.88	.67	8.10	218.0	56.85
Webster	98	12,973	.93	.71	8.53	211.2	54.80
Imported	23	12,870	.68	.53	6.90	166.9	42.96
Imported Coal	23	12,870	.68	.53	6.90	166.9	42.96
Public Service Electric&Gas Co Mercer	**688**	**14,045**	**.79**	**.56**	**4.73**	**179.8**	**50.50**
Virginia	688	14,046	.79	.56	4.73	179.8	50.50
Buchanan	653	14,066	.79	.56	4.66	179.5	50.49
Russell	34	13,658	.87	.64	6.01	185.4	50.64
West Virginia	1	13,381	.66	.49	6.60	174.6	46.73
Mingo	1	13,381	.66	.49	6.60	174.6	46.73
Richmond City of Whitewater	**309**	**11,586**	**2.47**	**2.14**	**9.25**	**149.1**	**34.55**
Indiana	283	11,566	2.48	2.15	9.08	150.9	34.90
Clay	1	10,769	2.80	2.60	10.33	130.0	28.00
Daviess	172	11,422	2.52	2.21	9.17	155.5	35.52
Greene	57	11,639	2.94	2.53	8.23	155.1	36.10
Unknown:ehp2	52	11,978	1.82	1.52	9.69	132.4	31.73

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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)
Richmond City of Whitewater							
Kentucky	2	11,825	2.63	2.23	12.99	130.0	30.75
Wolfe	2	11,825	2.63	2.23	12.99	130.0	30.75
Ohio	24	11,799	2.41	2.05	10.78	130.5	30.79
Guernsey	20	11,675	2.53	2.17	10.97	131.7	30.75
Unknown:ehp2	4	12,435	1.79	1.44	9.83	124.7	31.01
Rochester Gas & Electric Corp Beebee 3	**48**	**13,219**	**1.91**	**1.45**	**6.73**	**133.6**	**35.31**
Pennsylvania	17	13,155	1.41	1.07	6.69	142.7	37.55
Clarion	2	12,819	1.66	1.29	7.90	157.4	40.35
Greene	15	13,202	1.38	1.04	6.52	140.7	37.16
West Virginia	31	13,253	2.19	1.65	6.75	128.6	34.09
Monongalia	31	13,253	2.19	1.65	6.75	128.6	34.09
Rochester Gas & Electric Corp Russell 7	**496**	**13,211**	**2.10**	**1.59**	**6.64**	**134.9**	**35.64**
Pennsylvania	161	13,173	1.57	1.19	6.62	141.7	37.34
Clarion	1	12,819	1.68	1.31	7.90	157.4	40.35
Greene	160	13,175	1.57	1.19	6.61	141.6	37.32
West Virginia	335	13,230	2.35	1.77	6.65	131.6	34.83
Monongalia	335	13,230	2.35	1.77	6.65	131.6	34.83
Rochester Public Utilities Silver Lake	**98**	**12,001**	**1.32**	**1.10**	**6.52**	**173.6**	**41.67**
Illinois	94	11,990	1.31	1.10	6.43	174.0	41.72
Jefferson	17	11,879	1.31	1.10	5.78	176.4	41.91
Saline	77	12,015	1.32	1.09	6.58	173.4	41.68
West Virginia	4	12,558	1.53	1.22	8.81	167.8	42.13
Logan	4	12,558	1.53	1.22	8.81	167.8	42.13
Wyoming	*	8,800	.26	.30	5.50	116.5	20.50
Converse	*	8,800	.26	.30	5.50	116.5	20.50
Salt River Proj Ag I & P Dist Coronado	**2,604**	**10,000**	**.43**	**.43**	**12.69**	**192.8**	**38.56**
New Mexico	2,604	10,000	.43	.43	12.69	192.8	38.56
Mckinley	2,604	10,000	.43	.43	12.69	192.8	38.56
Salt River Proj Ag I & P Dist Navajo	**7,580**	**11,014**	**.53**	**.48**	**9.04**	**103.6**	**22.82**
Arizona	7,580	11,014	.53	.48	9.04	103.6	22.82
Navajo	7,580	11,014	.53	.48	9.04	103.6	22.82
San Antonio City of JT Deely/Spruce	**4,606**	**8,406**	**.34**	**.40**	**5.42**	**112.9**	**18.98**
Wyoming	4,606	8,406	.34	.40	5.42	112.9	18.98
Campbell	4,389	8,383	.34	.41	5.43	113.0	18.95
Converse	217	8,877	.28	.31	5.27	110.6	19.63
San Miguel Electric Coop Inc San Miguel	**2,874**	**5,245**	**1.90**	**3.63**	**26.89**	**104.9**	**11.00**
Texas	2,874	5,245	1.90	3.63	26.89	104.9	11.00
Atascosa	600	5,270	1.93	3.66	26.75	127.0	13.38
McMullen	2,274	5,239	1.90	3.62	26.92	99.0	10.37
Savannah Electric & Power Inc Kraft	**167**	**12,438**	**1.11**	**.89**	**9.31**	**174.0**	**43.27**
Kentucky	107	12,520	1.19	.95	9.54	172.2	43.13
Harlan	99	12,505	1.22	.97	9.50	171.5	42.88
Letcher	6	12,597	.90	.72	10.48	182.5	45.98
Pike	2	13,069	1.01	.77	8.38	178.0	46.53
Virginia	32	12,543	.98	.78	10.23	169.4	42.49
Wise	32	12,543	.98	.78	10.23	169.4	42.49
Imported	29	12,020	.94	.78	7.47	185.9	44.68
Imported Coal	29	12,020	.94	.78	7.47	185.9	44.68
Savannah Electric & Power Inc McIntosh	**133**	**12,159**	**1.25**	**1.03**	**9.56**	**177.3**	**43.11**
Kentucky	123	12,125	1.26	1.04	9.63	177.6	43.06
Harlan	45	11,674	1.00	.86	10.77	180.5	42.15
Leslie	45	12,502	1.20	.96	7.66	176.7	44.18
Pike	33	12,223	1.72	1.41	10.79	175.0	42.78
Imported	10	12,575	1.12	.89	8.64	174.0	43.75
Imported Coal	10	12,575	1.12	.89	8.64	174.0	43.75
Seminole Electric Coop Inc Seminole	**3,403**	**12,156**	**2.85**	**2.35**	**7.99**	**183.8**	**44.69**

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, 1994 (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)
Seminole Electric Coop Inc Seminole							
Illinois	1,709	11,724	2.87	2.45	8.10	187.4	43.93
Franklin	179	11,722	2.24	1.91	9.18	161.9	37.94
White	1,530	11,724	2.94	2.51	7.97	190.3	44.63
Kentucky	1,476	12,491	2.89	2.31	8.11	184.5	46.10
Union	60	11,914	2.79	2.34	5.66	148.0	35.27
Webster	1,416	12,515	2.89	2.31	8.22	186.0	46.56
West Virginia	218	13,269	2.41	1.81	6.33	154.8	41.09
Monongalia	218	13,269	2.41	1.81	6.33	154.8	41.09
Sierra Pacific Power Co North Valmy	**1,622**	**10,309**	**.46**	**.46**	**8.01**	**198.3**	**40.88**
Utah	610	11,358	.38	.34	8.38	189.2	42.97
Sevier	610	11,358	.38	.34	8.38	189.2	42.97
Wyoming	1,012	9,676	.51	.53	7.79	204.8	39.63
Sweetwater	1,012	9,676	.51	.53	7.79	204.8	39.63
Sikeston City of Sikeston	**360**	**11,560**	**2.46**	**2.14**	**9.93**	**175.3**	**40.53**
Illinois	360	11,560	2.46	2.14	9.93	175.3	40.53
Perry	48	10,949	2.98	2.73	10.07	188.8	41.35
Saline	312	11,653	2.38	2.05	9.91	173.3	40.40
Solid Waste Auth of Cent Ohio Solid Waste R F	**17**	**13,373**	**.70**	**.53**	**7.10**	**175.2**	**46.86**
Kentucky	17	13,373	.70	.53	7.10	175.2	46.86
Floyd	8	13,437	.73	.54	5.94	176.2	47.35
Martin	9	13,319	.68	.51	8.06	174.4	46.45
South Carolina Electric&Gas Co Canadys	**956**	**12,802**	**1.37**	**1.07**	**9.22**	**158.8**	**40.65**
Kentucky	852	12,770	1.38	1.08	9.22	159.0	40.60
Bell	26	12,915	1.11	.86	8.77	162.3	41.92
Harlan	389	12,840	1.42	1.11	8.89	157.2	40.38
Leslie	342	12,678	1.38	1.08	9.55	162.1	41.09
Perry	26	12,859	1.15	.89	7.97	157.7	40.57
Pike	69	12,739	1.40	1.10	10.12	152.7	38.90
Virginia	103	13,065	1.28	.98	9.18	157.1	41.04
Dickenson	103	13,065	1.28	.98	9.18	157.1	41.04
South Carolina Electric&Gas Co Mcmeekin	**655**	**12,877**	**1.15**	**.90**	**9.27**	**152.6**	**39.30**
Kentucky	338	12,734	1.27	1.00	9.62	151.4	38.55
Clay	44	12,836	1.47	1.14	9.07	153.8	39.49
Harlan	22	12,968	1.45	1.12	8.50	154.3	40.02
Knott	8	12,439	.75	.60	8.00	157.8	39.26
Perry	7	12,758	1.06	.83	7.80	156.6	39.96
Pike	257	12,704	1.24	.98	9.92	150.4	38.20
Virginia	317	13,029	1.02	.79	8.90	153.9	40.11
Dickenson	317	13,029	1.02	.79	8.90	153.9	40.11
South Carolina Electric&Gas Co Urguhart	**546**	**12,882**	**1.30**	**1.01**	**9.18**	**156.0**	**40.20**
Kentucky	406	12,842	1.28	1.00	9.18	155.7	39.98
Bell	37	12,960	1.12	.86	8.66	161.1	41.76
Harlan	109	12,872	1.39	1.08	9.10	156.2	40.21
Leslie	22	12,552	1.42	1.13	10.10	160.1	40.20
Perry	97	12,950	1.10	.85	7.75	156.9	40.64
Pike	141	12,759	1.35	1.06	10.22	152.3	38.86
Virginia	140	12,997	1.35	1.04	9.16	157.1	40.82
Dickenson	140	12,997	1.35	1.04	9.16	157.1	40.82
South Carolina Electric&Gas Co Wateree	**1,657**	**12,848**	**1.34**	**1.05**	**9.59**	**155.0**	**39.83**
Kentucky	1,138	12,793	1.27	.99	9.20	156.2	39.96
Bell	203	12,757	1.23	.97	8.60	158.2	40.37
Harlan	90	12,785	1.46	1.14	9.24	156.6	40.05
Knott	8	12,569	.85	.68	8.30	158.8	39.92
Perry	203	12,897	1.07	.83	7.82	157.8	40.71
Pike	634	12,775	1.32	1.03	9.84	154.9	39.57
Virginia	498	12,964	1.54	1.19	10.51	152.4	39.52
Dickenson	22	13,251	1.88	1.42	8.61	156.0	41.33
Wise	476	12,951	1.53	1.18	10.60	152.2	39.43

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, 1994 (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 Wateree							
West Virginia	20	13,073	0.77	0.59	8.80	156.2	40.84
Mingo	20	13,073	.77	.59	8.80	156.2	40.84
South Carolina Electric&Gas Co Williams	**1,434**	**12,902**	**.89**	**.69**	**7.88**	**163.2**	**42.10**
Kentucky	1,434	12,902	.89	.69	7.88	163.2	42.10
Knott	27	12,089	.87	.72	8.60	158.9	38.42
Perry	1,000	12,906	.90	.70	8.05	164.8	42.54
Pike	407	12,946	.86	.67	7.42	159.4	41.26
South Carolina Pub Serv Auth Cross	**1,735**	**12,588**	**1.13**	**.90**	**9.01**	**159.8**	**40.23**
Kentucky	1,735	12,588	1.13	.90	9.01	159.8	40.23
Harlan	1,460	12,545	1.15	.92	9.18	163.8	41.10
Letcher	232	12,827	1.04	.81	8.17	138.8	35.60
Perry	*	12,301	1.40	1.14	11.20	141.6	34.83
Pike	43	12,747	1.09	.86	7.93	140.3	35.76
South Carolina Pub Serv Auth Grainger	**286**	**12,538**	**1.55**	**1.24**	**9.19**	**164.3**	**41.20**
Kentucky	286	12,538	1.55	1.24	9.19	164.3	41.20
Harlan	9	12,159	1.39	1.14	10.45	192.3	46.77
Knott	54	12,610	1.43	1.13	9.67	170.2	42.92
Letcher	107	12,926	1.58	1.22	7.07	163.9	42.37
Perry	89	11,977	1.58	1.32	11.46	158.3	37.91
Pike	27	12,836	1.63	1.27	8.69	164.1	42.13
South Carolina Pub Serv Auth Jefferies	**657**	**12,938**	**1.52**	**1.17**	**7.47**	**140.4**	**36.33**
Kentucky	657	12,938	1.52	1.17	7.47	140.4	36.33
Harlan	55	12,585	1.38	1.09	8.73	171.1	43.07
Letcher	549	13,034	1.56	1.20	7.03	138.5	36.11
Perry	53	12,309	1.23	1.00	10.64	128.2	31.55
South Carolina Pub Serv Auth Winyah	**2,722**	**12,710**	**1.20**	**.95**	**8.87**	**148.6**	**37.77**
Kentucky	2,722	12,710	1.20	.95	8.87	148.6	37.77
Harlan	1,119	12,629	1.21	.96	9.56	161.4	40.77
Letcher	995	12,985	1.16	.89	7.70	139.4	36.21
Perry	213	12,103	1.40	1.15	11.27	139.2	33.68
Pike	395	12,578	1.17	.93	8.56	140.6	35.36
South Mississippi El Pwr Assn R D Morrow	**861**	**12,393**	**.86**	**.69**	**8.95**	**200.9**	**49.81**
Kentucky	861	12,393	.86	.69	8.95	200.9	49.81
Leslie	861	12,393	.86	.69	8.95	200.9	49.81
Southern California Edison Co Mohave	**4,415**	**11,475**	**.51**	**.44**	**10.36**	**118.9**	**27.28**
Arizona	4,415	11,475	.51	.44	10.36	118.9	27.28
Navajo	4,415	11,475	.51	.44	10.36	118.9	27.28
Southern Illinois Power Coop Marion	**624**	**10,315**	**2.71**	**2.61**	**18.24**	**90.6**	**18.70**
Illinois	624	10,315	2.71	2.61	18.24	90.6	18.70
Franklin	5	11,705	2.25	1.92	9.90	96.8	22.66
Gallatin	140	11,256	3.95	3.49	18.14	104.7	23.57
Jefferson	39	8,352	1.72	2.06	24.10	51.6	8.61
Perry	104	10,896	3.04	2.79	11.86	106.0	23.10
Saline	258	10,487	2.20	2.13	17.36	90.1	18.89
Williamson	78	8,173	2.21	2.70	27.48	50.2	8.20
Southern Indiana Gas & Elec Co A B Brown	**1,436**	**11,598**	**3.62**	**3.13**	**7.89**	**152.6**	**35.40**
Indiana	1,413	11,611	3.63	3.13	7.85	153.2	35.58
Pike	1,413	11,611	3.63	3.13	7.85	153.2	35.58
Kentucky	23	10,810	3.08	2.85	10.50	112.1	24.24
Henderson	23	10,810	3.08	2.85	10.50	112.1	24.24
Southern Indiana Gas & Elec Co Culley	**847**	**11,144**	**2.38**	**2.14**	**9.19**	**126.4**	**28.17**
Indiana	847	11,144	2.38	2.14	9.19	126.4	28.17
Daviess	23	11,483	1.50	1.30	7.61	140.6	32.29
Dubois	165	11,051	1.49	1.35	9.70	137.8	30.45
Gibson	331	11,000	2.47	2.25	9.80	126.4	27.80
Knox	10	11,051	1.39	1.26	9.17	145.5	32.16
Sullivan	4	11,068	1.37	1.24	9.00	145.3	32.16
Warrick	313	11,325	2.88	2.54	8.40	118.6	26.87

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, 1994 (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)
Southern Indiana Gas & Elec Co Warrick	**509**	**11,321**	**2.66**	**2.35**	**8.65**	**112.1**	**25.39**
Indiana	509	11,321	2.66	2.35	8.65	112.1	25.39
Clay	1	11,194	3.47	3.10	10.20	169.8	38.01
Dubois	15	11,067	2.51	2.26	10.10	108.0	23.90
Gibson	487	11,334	2.68	2.37	8.61	112.2	25.43
Warrick	7	10,939	1.58	1.44	7.90	113.9	24.92
Southwestern Electric Power Co Flint Creek	**1,682**	**8,343**	**.33**	**.40**	**4.55**	**156.7**	**26.14**
Wyoming	1,682	8,343	.33	.40	4.55	156.7	26.14
Campbell	1,682	8,343	.33	.40	4.55	156.7	26.14
Southwestern Electric Power Co Pirkey	**3,390**	**6,613**	**1.25**	**1.89**	**12.65**	**126.6**	**16.74**
Texas	3,390	6,613	1.25	1.89	12.65	126.6	16.74
Harrison	3,390	6,613	1.25	1.89	12.65	126.6	16.74
Southwestern Electric Power Co Welsh Station	**5,164**	**8,393**	**.33**	**.40**	**4.57**	**182.5**	**30.64**
Wyoming	5,164	8,393	.33	.40	4.57	182.5	30.64
Campbell	5,164	8,393	.33	.40	4.57	182.5	30.64
Southwestern Public Service Co Harrington	**4,409**	**8,646**	**.33**	**.38**	**5.36**	**154.9**	**26.79**
Wyoming	4,409	8,646	.33	.38	5.36	154.9	26.79
Campbell	4,409	8,646	.33	.38	5.36	154.9	26.79
Southwestern Public Service Co Tolk	**3,950**	**8,660**	**.32**	**.37**	**5.10**	**200.0**	**34.64**
Wyoming	3,950	8,660	.32	.37	5.10	200.0	34.64
Campbell	3,950	8,660	.32	.37	5.10	200.0	34.64
Springfield City of (MO) James River	**472**	**11,659**	**1.63**	**1.40**	**9.01**	**141.2**	**32.93**
Illinois	319	11,656	2.18	1.87	8.80	136.5	31.82
Franklin	319	11,656	2.18	1.87	8.80	136.5	31.82
Utah	153	11,666	.47	.41	9.44	151.1	35.24
Carbon	143	11,628	.47	.40	9.41	150.9	35.10
Emery	10	12,211	.51	.42	9.80	152.7	37.29
Springfield City of (MO) Southwest	**432**	**11,400**	**1.98**	**1.70**	**8.10**	**133.2**	**30.38**
Illinois	388	11,669	2.16	1.86	8.46	136.2	31.78
Franklin	388	11,669	2.16	1.86	8.46	136.2	31.78
Wyoming	43	8,970	.31	.35	4.82	98.5	17.68
Converse	43	8,970	.31	.35	4.82	98.5	17.68
Springfield City of (IL) Dallman	**959**	**10,484**	**3.08**	**2.94**	**9.39**	**115.2**	**24.16**
Illinois	959	10,484	3.08	2.94	9.39	115.2	24.16
Franklin	5	10,938	2.92	2.67	9.30	148.7	32.53
Logan	954	10,482	3.08	2.94	9.39	115.0	24.11
Springfield City of (IL) Lakeside	**58**	**10,478**	**3.09**	**2.95**	**9.42**	**115.2**	**24.14**
Illinois	58	10,478	3.09	2.95	9.42	115.2	24.14
Logan	58	10,478	3.09	2.95	9.42	115.2	24.14
St Joseph Light and Power Co Lakeroad	**221**	**11,620**	**3.51**	**3.02**	**13.06**	**132.9**	**30.90**
Illinois	37	11,093	3.03	2.73	9.39	133.0	29.50
Randolph	37	11,093	3.03	2.73	9.39	133.0	29.50
Kansas	184	11,727	3.60	3.07	13.80	132.9	31.18
Crawford	184	11,727	3.60	3.07	13.80	132.9	31.18
Sunflower Electric Power Corp Holcomb Unit #1	**1,492**	**8,438**	**.34**	**.40**	**5.20**	**106.4**	**17.96**
Wyoming	1,492	8,438	.34	.40	5.20	106.4	17.96
Campbell	1,492	8,438	.34	.40	5.20	106.4	17.96
Tacoma Dept of Public Utilities Steam No. 2	**36**	**9,655**	**.45**	**.46**	**6.87**	**175.1**	**33.81**
Montana	26	9,465	.41	.43	4.63	175.8	33.27
Big Horn	26	9,465	.41	.43	4.63	175.8	33.27
Washington	3	10,865	.72	.66	13.30	165.3	35.91
King	3	10,865	.72	.66	13.30	165.3	35.91
Imported	6	9,806	.48	.49	12.80	178.0	34.91
Imported Coal	6	9,806	.48	.49	12.80	178.0	34.91
Tampa Electric Co Davant Transfer4	**5,934**	**11,979**	**2.33**	**1.96**	**8.02**	**174.8**	**41.89**

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, 1994 (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)
Tampa Electric Co Davant Transfer4							
Colorado	423	12,980	0.44	0.34	9.88	158.7	41.19
Las Animas	423	12,980	.44	.34	9.88	158.7	41.19
Illinois	1,875	11,234	2.94	2.63	9.45	164.6	36.99
Gallatin	197	12,672	2.73	2.15	8.96	114.4	29.00
Perry	1,379	11,001	3.04	2.77	9.56	178.4	39.25
Randolph	201	10,956	3.03	2.77	9.73	110.7	24.26
Saline	98	12,203	1.64	1.34	8.18	194.0	47.35
Kentucky	2,400	12,268	2.49	2.04	7.39	186.9	45.85
Henderson	296	11,249	2.67	2.37	8.66	106.8	24.02
Hopkins	3	12,204	2.38	1.95	8.30	95.8	23.38
Mclean	26	12,090	2.89	2.39	8.52	116.4	28.15
Union	1,090	12,186	2.76	2.26	6.95	190.0	46.32
Webster	558	12,677	2.87	2.26	7.65	180.2	45.68
Whitley	426	12,663	1.16	.92	7.24	242.1	61.30
Pennsylvania	70	13,276	2.39	1.80	7.75	132.2	35.11
Greene	70	13,276	2.39	1.80	7.75	132.2	35.11
Tennessee	276	12,628	1.14	.91	7.43	215.3	54.38
Campbell	276	12,628	1.14	.91	7.43	215.3	54.38
West Virginia	626	13,096	2.63	2.01	7.34	167.5	43.88
Brooke	20	12,510	2.92	2.33	9.00	133.7	33.45
Marion	16	13,034	3.09	2.37	9.05	132.2	34.46
Monongalia	590	13,118	2.61	1.99	7.23	169.6	44.49
Wyoming	118	8,746	.28	.33	5.12	131.6	23.01
Campbell	118	8,746	.28	.33	5.12	131.6	23.01
Imported	147	9,871	.09	.09	1.10	143.0	28.24
Imported Coal	147	9,871	.09	.09	1.10	143.0	28.24
Tampa Electric Co Gannon	**1,246**	**12,773**	**1.13**	**.88**	**6.99**	**229.8**	**58.71**
Kentucky	1,246	12,773	1.13	.88	6.99	229.8	58.71
Pike	167	12,985	.98	.75	7.91	231.4	60.10
Whitley	1,079	12,740	1.15	.90	6.84	229.6	58.49
Tennessee Valley Authority Allen	**2,021**	**12,338**	**2.08**	**1.68**	**8.37**	**122.5**	**30.22**
Illinois	824	12,046	1.87	1.55	8.40	124.6	30.01
Franklin	33	11,674	1.82	1.56	9.00	137.0	31.98
Jefferson	245	11,695	1.84	1.57	7.76	124.2	29.06
Saline	547	12,226	1.88	1.54	8.66	124.0	30.32
Kentucky	1,001	12,475	2.24	1.80	8.42	120.0	29.93
Hopkins	74	11,816	2.28	1.93	9.24	127.5	30.12
Union	160	12,555	2.23	1.78	8.87	116.8	29.33
Webster	767	12,523	2.24	1.79	8.25	119.9	30.04
Pennsylvania	131	12,973	2.44	1.88	8.00	128.8	33.43
Greene	131	12,973	2.44	1.88	8.00	128.8	33.43
Tennessee	*	15,200	.00	.00	.00	100.5	30.55
Scott	*	15,200	.00	.00	.00	100.5	30.55
Utah	27	11,821	.58	.50	7.76	129.1	30.51
Carbon	27	11,821	.58	.50	7.76	129.1	30.51
West Virginia	37	13,254	2.35	1.77	7.88	117.3	31.11
Monongalia	37	13,254	2.35	1.77	7.88	117.3	31.11
Tennessee Valley Authority BRT Terminal	**476**	**11,709**	**2.56**	**2.22**	**9.07**	**118.3**	**27.71**
Colorado	88	11,582	.59	.51	9.12	124.9	28.93
Delta	22	11,347	.46	.40	8.90	124.0	28.14
Gunnison	66	11,658	.63	.54	9.19	125.2	29.19
Illinois	126	11,107	3.10	2.82	8.53	108.5	24.11
Franklin	25	11,731	1.76	1.50	9.50	135.9	31.88
Macoupin	69	10,627	3.58	3.37	8.00	100.0	21.25
White	32	11,650	3.11	2.67	8.90	103.6	24.14
Kentucky	207	11,711	3.48	2.97	10.06	109.6	25.68
Hopkins	140	11,673	3.52	3.01	10.10	105.1	24.55
Perry	6	12,500	1.66	1.33	9.00	155.8	38.95
Union	29	11,531	2.80	2.43	7.95	126.5	29.17
Webster	32	11,900	4.26	3.58	12.00	105.3	25.06
Pennsylvania	8	13,100	2.20	1.68	8.00	118.1	30.94
Greene	8	13,100	2.20	1.68	8.00	118.1	30.94

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, 1994 (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 BRT Terminal							
Utah	11	11,774	0.53	0.45	6.80	121.9	28.71
Carbon	11	11,774	.53	.45	6.80	121.9	28.71
Virginia	35	13,801	.93	.67	6.00	175.0	48.31
Buchanan	35	13,801	.93	.67	6.00	175.0	48.31
Tennessee Valley Authority Bull Run	**1,816**	**12,899**	**1.35**	**1.05**	**8.15**	**122.1**	**31.51**
Kentucky	1,816	12,899	1.35	1.05	8.15	122.1	31.51
Bell	720	12,569	1.69	1.35	9.40	124.2	31.23
Harlan	821	13,224	1.02	.77	6.74	121.0	32.01
Leslie	276	12,793	1.41	1.10	9.06	120.1	30.72
Tennessee Valley Authority Cahokia	**107**	**11,859**	**.51**	**.43**	**8.04**	**123.6**	**29.31**
Utah	107	11,859	.51	.43	8.04	123.6	29.31
Carbon	107	11,859	.51	.43	8.04	123.6	29.31
Tennessee Valley Authority Colbert	**3,135**	**11,829**	**1.37**	**1.16**	**11.29**	**127.5**	**30.16**
Colorado	27	11,741	.55	.47	9.91	130.1	30.56
Gunnison	27	11,741	.55	.47	9.91	130.1	30.56
Illinois	747	11,578	1.94	1.67	8.73	131.7	30.49
Franklin	710	11,575	1.94	1.68	8.77	132.2	30.59
Jefferson	37	11,638	1.76	1.51	7.92	122.5	28.51
Kentucky	1,599	11,855	1.30	1.09	11.71	127.7	30.29
Breathitt	112	11,660	1.15	.98	12.80	129.8	30.28
Floyd	475	11,841	1.04	.88	11.41	130.7	30.95
Harlan	32	11,917	.64	.53	13.26	128.3	30.59
Johnson	388	11,734	1.18	1.00	12.08	125.7	29.51
Knott	250	11,805	1.19	1.01	12.50	131.9	31.13
Magoffin	2	12,682	1.06	.84	9.10	129.4	32.82
Martin	2	11,425	.65	.57	11.60	143.1	32.70
Perry	15	12,434	1.01	.82	10.34	149.3	37.13
Pike	19	12,439	.59	.48	8.43	145.8	36.27
Union	18	12,153	1.67	1.37	10.10	137.1	33.32
Webster	286	12,068	2.16	1.79	10.79	118.1	28.51
Pennsylvania	20	13,117	1.54	1.17	7.79	118.0	30.97
Greene	20	13,117	1.54	1.17	7.79	118.0	30.97
Tennessee	29	12,324	1.21	.98	13.71	127.2	31.36
Sequatchie	29	12,324	1.21	.98	13.71	127.2	31.36
West Virginia	713	11,980	.97	.81	13.10	122.9	29.44
Boone	60	12,319	.81	.66	12.59	131.1	32.30
Kanawha	599	12,002	.99	.82	13.07	122.1	29.30
Lincoln	32	11,119	.96	.86	15.14	116.6	25.94
Mingo	12	11,744	.70	.60	12.15	135.4	31.81
Nicholas	10	11,650	1.08	.93	12.70	126.1	29.38
Tennessee Valley Authority Cumberland	**5,731**	**11,619**	**2.78**	**2.39**	**8.34**	**128.0**	**29.75**
Illinois	535	11,482	2.71	2.36	9.47	106.7	24.51
Franklin	292	11,307	2.75	2.43	9.00	105.6	23.89
Saline	242	11,692	2.66	2.28	10.05	108.1	25.27
Kentucky	4,843	11,540	2.78	2.41	8.22	131.5	30.35
Breathitt	13	12,000	1.19	.99	13.90	132.9	31.89
Floyd	44	11,836	2.19	1.85	11.88	136.3	32.26
Hopkins	26	12,000	3.30	2.75	11.00	97.6	23.43
Johnson	29	11,687	2.72	2.33	12.85	115.3	26.95
Knott	12	11,800	1.20	1.02	12.50	139.4	32.89
Ohio	33	11,425	2.87	2.51	9.10	136.6	31.21
Pike	15	12,157	1.24	1.02	9.50	139.5	33.93
Union	4,631	11,523	2.80	2.43	8.09	131.9	30.41
Webster	41	12,383	2.67	2.15	9.74	103.4	25.61
Ohio	2	12,087	2.43	2.01	11.20	129.1	31.21
Jefferson	2	12,087	2.43	2.01	11.20	129.1	31.21
Pennsylvania	331	12,918	2.86	2.22	8.14	114.0	29.44
Greene	299	13,051	2.88	2.21	7.90	113.7	29.67
Washington	32	11,679	2.69	2.31	10.33	116.8	27.28
West Virginia	20	12,796	1.95	1.51	11.08	119.5	30.58
Boone	11	12,382	1.55	1.25	13.70	128.0	31.70
Monongalia	10	13,250	2.38	1.80	8.20	110.8	29.36

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, 1994 (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 Gallatin	**2,413**	**12,307**	**2.63**	**2.13**	**8.15**	**125.8**	**30.98**
Illinois	162	11,748	2.67	2.28	9.55	126.2	29.65
Saline	126	11,775	2.61	2.22	9.73	127.7	30.08
White	36	11,650	2.90	2.49	8.93	120.7	28.12
Kentucky	2,252	12,347	2.62	2.12	8.05	125.8	31.07
Bell	19	12,500	2.00	1.60	10.00	134.7	33.67
Hopkins	841	12,005	2.48	2.07	7.25	132.0	31.68
Letcher	63	12,724	1.61	1.26	8.68	141.4	35.99
Perry	79	11,723	1.95	1.67	13.11	128.0	30.02
Union	257	12,460	2.75	2.21	9.14	121.6	30.29
Webster	994	12,631	2.84	2.25	7.96	120.6	30.48
Tennessee Valley Authority Johnsonville	**3,339**	**11,864**	**1.71**	**1.44**	**9.99**	**128.5**	**30.49**
Illinois	1,631	11,642	1.75	1.50	9.09	136.0	31.67
Franklin	1,400	11,589	1.76	1.52	9.40	138.0	31.98
Jefferson	18	11,650	1.80	1.55	8.00	120.2	28.01
Saline	212	11,988	1.67	1.40	7.11	124.9	29.94
Kentucky	1,392	12,063	1.69	1.40	10.39	121.5	29.30
Floyd	394	11,910	1.54	1.29	11.26	132.0	31.43
Johnson	63	11,705	1.73	1.48	12.41	124.6	29.17
Webster	935	12,151	1.74	1.44	9.90	116.9	28.41
Pennsylvania	16	13,100	2.20	1.68	8.00	117.2	30.71
Greene	16	13,100	2.20	1.68	8.00	117.2	30.71
Virginia	5	13,800	.93	.67	6.00	143.7	39.66
Buchanan	5	13,800	.93	.67	6.00	143.7	39.66
West Virginia	296	12,050	1.63	1.35	13.24	122.0	29.39
Boone	42	11,923	.73	.61	13.20	130.1	31.02
Monongalia	179	12,083	1.76	1.45	13.29	119.7	28.92
Preston	75	12,042	1.82	1.51	13.16	123.0	29.63
Tennessee Valley Authority Kingston	**3,922**	**12,643**	**1.27**	**1.01**	**8.74**	**123.7**	**31.28**
Kentucky	3,287	12,580	1.25	.99	9.03	123.7	31.13
Bell	1,633	12,446	1.18	.95	9.15	125.2	31.16
Harlan	419	13,093	1.03	.79	6.87	124.0	32.48
Leslie	375	12,696	1.42	1.12	9.28	123.2	31.28
Letcher	83	12,222	1.46	1.19	12.26	129.1	31.55
Mccreary	25	13,017	.96	.74	5.38	113.9	29.65
Perry	754	12,552	1.43	1.14	9.64	120.5	30.25
Tennessee	628	12,975	1.40	1.08	7.19	123.5	32.04
Campbell	219	12,396	1.38	1.11	9.47	122.3	30.33
Fentress	*	12,910	1.36	1.05	9.10	110.3	28.48
Morgan	10	12,606	1.37	1.10	10.92	114.8	28.94
Scott	399	13,302	1.42	1.07	5.84	124.3	33.07
Virginia	6	12,500	1.50	1.20	12.00	142.2	35.55
Wise	6	12,500	1.50	1.20	12.00	142.2	35.55
Tennessee Valley Authority Paradise	**6,892**	**10,981**	**3.88**	**3.57**	**15.25**	**107.1**	**23.51**
Illinois	298	11,495	2.74	2.39	9.27	113.3	26.04
Franklin	185	11,359	2.73	2.41	8.99	112.0	25.44
Saline	84	11,731	2.66	2.27	10.02	117.0	27.46
White	28	11,689	3.05	2.61	8.86	110.2	25.77
Kentucky	6,572	10,950	3.93	3.63	15.55	106.7	23.37
Christian	218	11,598	2.76	2.38	8.88	92.8	21.52
Henderson	544	11,242	2.67	2.37	9.02	100.1	22.50
Hopkins	618	11,326	3.77	3.36	14.07	96.5	21.86
Muhlenberg	2,459	10,346	4.45	4.30	19.19	101.8	21.07
Ohio	596	11,598	2.83	2.44	8.81	96.6	22.41
Union	548	11,568	3.02	2.63	8.79	128.1	29.63
Webster	1,589	11,094	4.53	4.09	18.48	118.4	26.28
Pennsylvania	7	13,000	2.53	1.95	8.00	137.1	35.66
Greene	7	13,000	2.53	1.95	8.00	137.1	35.66
West Virginia	15	13,150	2.56	1.95	8.00	112.9	29.69
Monongalia	15	13,150	2.56	1.95	8.00	112.9	29.69
Tennessee Valley Authority Sevier	**2,146**	**12,484**	**1.49**	**1.19**	**11.36**	**124.5**	**31.09**

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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 Sevier							
Kentucky	990	12,316	1.57	1.28	11.67	125.2	30.83
Bell	67	12,581	1.25	.99	8.57	129.4	32.57
Harlan	521	12,242	1.67	1.36	11.98	125.1	30.63
Letcher	322	12,359	1.37	1.11	11.73	124.5	30.77
Perry	80	12,409	2.01	1.62	12.10	124.9	31.01
Pike	*	12,768	1.32	1.03	9.00	110.2	28.14
Tennessee	28	12,130	2.13	1.76	12.14	132.3	32.09
Anderson	7	12,519	1.52	1.22	9.55	133.1	33.32
Scott	21	12,000	2.33	1.94	13.00	132.0	31.68
Virginia	1,128	12,639	1.39	1.10	11.07	123.8	31.30
Wise	1,128	12,639	1.39	1.10	11.07	123.8	31.30
Tennessee Valley Authority Shawnee	**3,114**	**11,881**	**.87**	**.74**	**10.38**	**127.8**	**30.37**
Colorado	1,087	11,599	.56	.48	9.89	123.3	28.61
Delta	184	11,349	.45	.40	8.86	123.2	27.97
Gunnison	814	11,702	.58	.49	9.93	124.1	29.05
Mesa	9	11,000	.63	.57	13.80	59.1	13.00
Routt	80	11,200	.55	.49	11.37	122.5	27.44
Illinois	16	10,734	3.54	3.30	8.18	94.4	20.27
Macoupin	16	10,734	3.54	3.30	8.18	94.4	20.27
Kentucky	1,358	12,032	1.20	1.01	10.79	131.6	31.67
Floyd	43	12,383	.67	.54	11.28	111.3	27.57
Harlan	425	11,818	.66	.56	13.10	124.7	29.47
Hopkins	332	11,668	2.95	2.53	11.00	116.0	27.07
Magoffin	17	11,913	.69	.58	11.27	130.2	31.01
Martin	17	11,485	.69	.60	12.91	133.4	30.65
Pike	524	12,428	.60	.49	8.68	147.9	36.76
Utah	248	11,727	.62	.53	7.63	123.5	28.97
Carbon	248	11,727	.62	.53	7.63	123.5	28.97
West Virginia	405	12,272	.68	.55	12.08	130.2	31.95
Boone	309	12,377	.67	.54	11.85	129.9	32.16
Kanawha	17	11,792	.70	.59	13.68	125.5	29.60
Mingo	79	11,966	.70	.59	12.65	132.3	31.66
Tennessee Valley Authority Widows Creek	**4,023**	**11,951**	**2.23**	**1.89**	**10.82**	**126.1**	**30.15**
Colorado	120	11,442	.59	.51	10.50	129.2	29.56
Delta	22	11,288	.41	.36	8.80	126.6	28.58
Gunnison	59	11,657	.67	.58	10.78	126.1	29.40
Routt	39	11,200	.55	.49	11.00	135.5	30.35
Illinois	390	11,367	3.05	2.69	8.98	117.0	26.61
Gallatin	16	12,679	2.79	2.20	9.07	113.5	28.79
Randolph	232	11,006	3.17	2.88	9.64	114.0	25.10
Saline	9	11,700	2.70	2.31	10.00	133.3	31.20
White	133	11,820	2.89	2.44	7.73	121.3	28.67
Kentucky	2,712	11,960	2.49	2.11	10.72	126.8	30.32
Floyd	125	11,784	.82	.69	11.96	143.4	33.81
Harlan	288	12,358	.83	.67	10.37	139.0	34.35
Henderson	1	11,100	3.98	3.59	10.00	106.7	23.69
Hopkins	1,088	11,613	3.48	2.99	11.79	123.3	28.64
Letcher	106	12,507	.87	.70	9.82	140.2	35.07
Magoffin	7	11,755	.83	.71	11.70	143.1	33.64
Perry	351	12,598	.84	.66	9.16	141.4	35.63
Pike	9	12,100	1.00	.83	12.00	159.6	38.62
Union	493	12,042	3.03	2.52	10.85	116.9	28.16
Webster	245	11,809	2.92	2.47	8.09	108.5	25.64
Ohio	84	12,151	3.90	3.21	12.13	122.7	29.81
Belmont	50	12,281	3.84	3.12	11.38	114.2	28.06
Jefferson	33	11,957	4.00	3.34	13.25	135.8	32.46
Pennsylvania	8	12,150	3.03	2.49	12.60	132.4	32.16
Washington	8	12,150	3.03	2.49	12.60	132.4	32.16
Tennessee	514	12,410	.84	.68	12.66	127.8	31.71
Sequatchie	504	12,426	.85	.68	12.70	127.6	31.70
Utah	88	11,730	.69	.58	9.34	129.5	30.38
Carbon	88	11,730	.69	.58	9.34	129.5	30.38

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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 Widows Creek							
West Virginia	106	12,239	1.11	0.92	11.40	129.4	31.68
Boone	65	12,403	.74	.60	11.21	126.3	31.34
Kanawha	29	12,210	.86	.70	11.19	135.2	33.03
Mason	13	11,486	3.47	3.02	12.80	132.3	30.39
Texas Municipal Power Agency Gibbons Creek	**3,666**	**4,852**	**1.58**	**3.28**	**20.58**	**145.1**	**14.08**
Texas	3,631	4,817	1.59	3.31	20.73	144.9	13.96
Grimes	3,631	4,817	1.59	3.31	20.73	144.9	13.96
Wyoming	36	8,499	.32	.38	5.09	159.7	27.15
Campbell	36	8,499	.32	.38	5.09	159.7	27.15
Texas-New Mexico Power Co TNP 1	**1,907**	**6,866**	**.96**	**1.40**	**15.33**	**157.5**	**21.63**
Texas	1,907	6,866	.96	1.40	15.33	157.5	21.63
Robertson	1,907	6,866	.96	1.40	15.33	157.5	21.63
Texas Utilities Electric Co Big Brown	**5,311**	**6,684**	**.75**	**1.12**	**15.16**	**95.6**	**12.78**
Texas	5,311	6,684	.75	1.12	15.16	95.6	12.78
Freestone	5,311	6,684	.75	1.12	15.16	95.6	12.78
Texas Utilities Electric Co Martin Lake	**13,443**	**6,611**	**.98**	**1.49**	**11.60**	**87.2**	**11.52**
Texas	13,443	6,611	.98	1.49	11.60	87.2	11.52
Panola	13,443	6,611	.98	1.49	11.60	87.2	11.52
Texas Utilities Electric Co Monticello	**6,740**	**5,763**	**.49**	**.85**	**20.85**	**140.0**	**16.14**
Texas	6,740	5,763	.49	.85	20.85	140.0	16.14
Titus	6,740	5,763	.49	.85	20.85	140.0	16.14
Texas Utilities Electric Co Sandow No 45	**3,441**	**6,885**	**1.18**	**1.71**	**14.64**	**89.3**	**12.30**
Texas	3,441	6,885	1.18	1.71	14.64	89.3	12.30
Milam	3,441	6,885	1.18	1.71	14.64	89.3	12.30
Toledo Edison Co Bay Shore	**1,211**	**12,928**	**1.04**	**.81**	**8.12**	**180.4**	**46.64**
Kentucky	39	12,975	.92	.71	7.17	144.2	37.41
Martin	10	12,759	.72	.56	8.70	142.2	36.29
Pike	29	13,050	.98	.76	6.64	144.8	37.80
West Virginia	1,172	12,926	1.04	.81	8.15	181.6	46.95
Mingo	1,172	12,926	1.04	.81	8.15	181.6	46.95
Tri-State G & T Assn, Inc. Craig	**4,465**	**10,195**	**.41**	**.41**	**6.35**	**111.3**	**22.69**
Colorado	4,465	10,195	.41	.41	6.35	111.3	22.69
Moffat	4,457	10,193	.41	.41	6.34	111.4	22.70
Routt	7	11,076	.41	.37	10.90	64.1	14.20
Tri-State G & T Assn, Inc. Nucla	**384**	**10,250**	**.86**	**.84**	**20.54**	**78.8**	**16.15**
Colorado	384	10,250	.86	.84	20.54	78.8	16.15
Montrose	384	10,250	.86	.84	20.54	78.8	16.15
Tucson Electric Power Co Irvington	**374**	**10,151**	**.43**	**.43**	**11.52**	**207.1**	**42.05**
New Mexico	374	10,151	.43	.43	11.52	207.1	42.05
Mckinley	374	10,151	.43	.43	11.52	207.1	42.05
Tucson Electric Power Co Springerville	**2,992**	**9,119**	**.70**	**.76**	**17.84**	**161.7**	**29.50**
New Mexico	2,992	9,119	.70	.76	17.84	161.7	29.50
Mckinley	2,992	9,119	.70	.76	17.84	161.7	29.50
Union Electric Co Labadie	**6,066**	**9,879**	**1.14**	**1.05**	**6.87**	**115.6**	**22.83**
Colorado	713	11,750	.47	.40	9.60	157.4	36.99
Gunnison	713	11,750	.47	.40	9.60	157.4	36.99
Illinois	1,870	11,180	3.11	2.78	10.21	134.0	29.96
Jefferson	9	11,500	1.27	1.10	12.00	135.5	31.16
Perry	1,861	11,178	3.12	2.79	10.20	134.0	29.95
Wyoming	3,483	8,798	.22	.26	4.52	91.6	16.11
Campbell	3,483	8,798	.22	.26	4.52	91.6	16.11
Union Electric Co Meramec	**875**	**11,644**	**1.28**	**1.10**	**8.32**	**133.1**	**30.99**

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 24. Origin of Coal Received by Electric Utility and Plant, 1994 (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 Meramec							
Illinois	868	11,654	1.29	1.10	8.30	133.0	31.01
Jefferson	199	11,500	1.27	1.10	12.00	136.8	31.47
Saline	669	11,700	1.29	1.10	7.20	131.9	30.87
Indiana	7	10,375	1.19	1.15	10.80	139.1	28.86
Warrick	7	10,375	1.19	1.15	10.80	139.1	28.86
Union Electric Co Rush Island	**3,240**	**9,624**	**.76**	**.75**	**7.05**	**109.3**	**21.04**
Illinois	1,136	11,611	1.30	1.12	9.26	135.4	31.45
Jefferson	483	11,500	1.27	1.10	12.00	138.2	31.78
Perry	9	11,200	3.10	2.77	10.10	150.4	33.69
Saline	644	11,700	1.29	1.10	7.20	133.2	31.17
Wyoming	2,104	8,551	.48	.56	5.86	90.2	15.42
Campbell	2,104	8,551	.48	.56	5.86	90.2	15.42
Union Electric Co Sioux	**1,790**	**9,764**	**1.72**	**1.60**	**7.87**	**123.5**	**24.13**
Illinois	866	11,200	3.10	2.77	10.10	150.6	33.74
Perry	866	11,200	3.10	2.77	10.10	150.6	33.74
Wyoming	924	8,419	.42	.50	5.79	89.8	15.11
Campbell	924	8,419	.42	.50	5.79	89.8	15.11
United Illuminating Co Bridgeport Harbor	**863**	**13,094**	**.54**	**.41**	**7.38**	**177.4**	**46.45**
Kentucky	809	13,080	.53	.41	7.41	177.6	46.46
Pike	809	13,080	.53	.41	7.41	177.6	46.46
West Virginia	54	13,306	.64	.48	6.97	173.8	46.25
Mingo	54	13,306	.64	.48	6.97	173.8	46.25
United Power Assn Stanton	**1,025**	**6,763**	**.64**	**.95**	**8.55**	**69.2**	**9.37**
North Dakota	1,025	6,763	.64	.95	8.55	69.2	9.37
Mercer	1,025	6,763	.64	.95	8.55	69.2	9.37
UtiliCorp United Inc Sibley	**1,524**	**10,386**	**.85**	**.79**	**7.01**	**105.7**	**21.95**
Illinois	271	10,900	2.81	2.58	9.99	134.5	29.32
Perry	271	10,900	2.81	2.58	9.99	134.5	29.32
Utah	298	12,014	.43	.36	8.05	113.4	27.25
Carbon	211	11,907	.39	.33	7.88	116.3	27.70
Emery	87	12,272	.51	.41	8.47	106.6	26.16
Wyoming	956	9,733	.42	.42	5.83	93.5	18.21
Campbell	516	8,689	.31	.36	5.09	70.9	12.32
Carbon	439	10,959	.55	.50	6.71	114.6	25.12
Vineland City of H M Down	**24**	**13,183**	**.85**	**.64**	**7.48**	**178.9**	**47.16**
West Virginia	24	13,183	.85	.64	7.48	178.9	47.16
Nicholas	24	13,183	.85	.64	7.48	178.9	47.16
Virginia Electric & Power Co Bremo Bluff	**432**	**12,757**	**1.13**	**.88**	**9.43**	**147.2**	**37.56**
Kentucky	410	12,745	1.12	.88	9.41	147.4	37.58
Pike	410	12,745	1.12	.88	9.41	147.4	37.58
Virginia	22	12,995	1.31	1.01	9.78	143.1	37.20
Buchanan	22	12,995	1.31	1.01	9.78	143.1	37.20
Virginia Electric & Power Co Chesapeake Energy	**1,095**	**12,974**	**.97**	**.75**	**8.74**	**151.8**	**39.40**
Virginia	936	13,036	1.01	.77	8.63	151.3	39.44
Buchanan	260	13,024	.82	.63	8.85	149.0	38.81
Dickenson	3	13,004	.86	.66	8.30	152.4	39.64
Wise	673	13,041	1.08	.83	8.54	152.1	39.68
West Virginia	159	12,611	.77	.61	9.39	155.2	39.16
Fayette	1	13,184	.70	.53	8.60	154.2	40.66
Mingo	158	12,608	.77	.61	9.40	155.2	39.15
Virginia Electric & Power Co Chesterfield	**3,132**	**12,742**	**1.14**	**.90**	**9.05**	**144.2**	**36.74**
Kentucky	2,225	12,688	1.17	.92	8.97	142.3	36.12
Floyd	40	12,667	1.26	.99	9.70	147.1	37.26
Harlan	39	12,743	1.12	.88	8.15	158.1	40.28
Knott	461	12,529	1.05	.84	8.83	144.5	36.22
Letcher	159	12,709	1.27	1.00	9.07	141.8	36.03
Perry	33	12,808	.85	.66	8.80	150.3	38.50
Pike	1,492	12,731	1.19	.94	9.01	141.0	35.91

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, 1994 (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							
Virginia	483	12,946	1.12	0.87	8.86	147.2	38.11
Buchanan	114	12,883	1.06	.82	9.04	147.1	37.90
Dickenson	1	12,802	.88	.69	10.80	147.0	37.64
Lee	10	12,530	1.17	.93	8.90	151.0	37.84
Wise	358	12,978	1.14	.88	8.80	147.1	38.19
West Virginia	425	12,793	1.05	.82	9.65	150.2	38.42
Boone	373	12,834	1.09	.85	9.57	150.0	38.50
Mingo	52	12,493	.74	.59	10.21	151.7	37.90
Virginia Electric & Power Co Mount Storm	**4,356**	**12,376**	**1.77**	**1.43**	**14.19**	**128.4**	**31.78**
Maryland	1,321	12,626	1.78	1.41	13.29	129.0	32.57
Allegany	111	11,821	1.68	1.42	17.28	111.2	26.28
Garrett	1,210	12,700	1.79	1.41	12.92	130.5	33.14
Pennsylvania	81	11,735	1.69	1.44	17.01	107.1	25.13
Somerset	81	11,735	1.69	1.44	17.01	107.1	25.13
West Virginia	2,954	12,282	1.77	1.44	14.52	128.7	31.60
Barbour	169	11,973	1.81	1.51	16.71	110.7	26.52
Grant	2,507	12,329	1.78	1.44	14.29	131.4	32.39
Mineral	197	12,035	1.71	1.42	15.17	115.7	27.84
Preston	69	12,067	1.60	1.33	15.20	111.8	26.98
Upshur	11	12,216	1.76	1.44	16.01	110.5	27.00
Virginia Electric & Power Co Possum Point	**582**	**12,829**	**.99**	**.77**	**9.72**	**148.4**	**38.08**
Kentucky	112	12,694	1.14	.90	9.43	147.5	37.45
Boyd	6	12,477	1.62	1.30	9.20	147.4	36.78
Floyd	11	12,500	1.30	1.04	11.00	145.0	36.25
Harlan	9	12,847	.92	.72	7.70	163.0	41.88
Knott	10	12,500	.90	.72	9.50	147.7	36.92
Letcher	11	12,742	.96	.75	8.90	142.4	36.29
Perry	10	12,902	.86	.67	9.30	163.0	42.06
Pike	54	12,719	1.24	.97	9.57	143.4	36.47
Virginia	320	12,952	1.00	.78	9.86	145.4	37.67
Buchanan	245	12,951	1.02	.79	10.01	144.1	37.32
Dickenson	48	13,008	.94	.72	9.23	148.7	38.68
Wise	27	12,861	1.02	.79	9.61	151.6	39.00
West Virginia	150	12,668	.84	.67	9.64	155.7	39.44
Boone	109	12,674	.88	.69	9.72	156.0	39.54
Greenbrier	5	12,610	1.02	.81	11.00	151.2	38.13
Logan	36	12,657	.72	.57	9.23	155.2	39.28
Virginia Electric & Power Co Yorktown	**658**	**12,994**	**1.36**	**1.05**	**9.00**	**145.5**	**37.81**
Kentucky	205	12,700	1.44	1.14	8.48	146.9	37.31
Harlan	9	12,700	1.30	1.02	9.00	151.9	38.58
Pike	196	12,700	1.45	1.14	8.46	146.7	37.25
Virginia	443	13,122	1.32	1.01	9.26	144.7	37.98
Buchanan	243	13,077	1.22	.93	9.58	143.2	37.44
Dickenson	39	13,345	1.20	.90	7.53	144.1	38.46
Lee	7	12,577	1.25	.99	10.70	152.4	38.33
Wise	154	13,162	1.51	1.15	9.15	147.0	38.70
West Virginia	10	13,318	1.33	1.00	8.00	150.4	40.06
Boone	10	13,318	1.33	1.00	8.00	150.4	40.06
West Penn Power Co Armstrong	**648**	**12,479**	**1.89**	**1.51**	**11.11**	**125.8**	**31.40**
Pennsylvania	648	12,479	1.89	1.51	11.11	125.8	31.40
Armstrong	161	12,101	2.05	1.70	12.20	108.7	26.31
Butler	64	11,989	2.05	1.71	12.58	100.8	24.17
Clarion	15	12,716	1.66	1.30	8.66	99.6	25.33
Jefferson	407	12,698	1.80	1.42	10.54	137.0	34.79
West Penn Power Co Hatfield	**3,665**	**12,883**	**2.19**	**1.70**	**9.54**	**152.5**	**39.28**
Pennsylvania	242	13,109	1.50	1.15	6.91	152.5	39.99
Greene	242	13,109	1.50	1.15	6.91	152.5	39.99
West Virginia	3,422	12,867	2.24	1.74	9.72	152.4	39.23
Marion	10	12,833	2.61	2.03	8.18	159.1	40.83
Monongalia	3,412	12,867	2.24	1.74	9.73	152.4	39.23
West Penn Power Co Mitchell	**552**	**12,331**	**2.86**	**2.32**	**11.60**	**135.6**	**33.45**

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, 1994 (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 Mitchell							
West Virginia	552	12,331	2.86	2.32	11.60	135.6	33.45
Monongalia	552	12,331	2.86	2.32	11.60	135.6	33.45
West Texas Utilities Co Oklaunion	**3,038**	**8,364**	**.35**	**.42**	**5.09**	**142.9**	**23.90**
Wyoming	3,038	8,364	.35	.42	5.09	142.9	23.90
Campbell	3,038	8,364	.35	.42	5.09	142.9	23.90
Western Farmers Elec Coop Inc Hugo	**1,512**	**8,465**	**.36**	**.43**	**4.90**	**172.8**	**29.26**
Wyoming	1,512	8,465	.36	.43	4.90	172.8	29.26
Campbell	1,512	8,465	.36	.43	4.90	172.8	29.26
Wisconsin Electric Power Co Oak Creek	**1,981**	**12,246**	**.47**	**.38**	**11.91**	**152.2**	**37.28**
Colorado	203	12,645	.42	.33	12.04	150.0	37.95
Las Animas	203	12,645	.42	.33	12.04	150.0	37.95
New Mexico	1,642	12,339	.47	.38	12.21	154.4	38.11
Colfax	1,642	12,339	.47	.38	12.21	154.4	38.11
West Virginia	66	12,779	.72	.56	10.85	149.5	38.21
Mingo	55	12,735	.67	.53	11.42	151.7	38.64
Nicholas	11	13,007	.94	.72	7.90	138.4	36.00
Wyoming	70	8,432	.32	.38	5.44	89.7	15.13
Campbell	70	8,432	.32	.38	5.44	89.7	15.13
Wisconsin Electric Power Co Pleasant Prairie	**4,977**	**8,637**	**.36**	**.41**	**5.46**	**78.0**	**13.47**
Wyoming	4,977	8,637	.36	.41	5.46	78.0	13.47
Campbell	4,506	8,478	.35	.41	5.34	73.7	12.50
Carbon	279	10,657	.42	.40	6.39	109.9	23.42
Sweetwater	191	9,444	.45	.48	6.88	115.3	21.79
Wisconsin Electric Power Co Port Washington	**344**	**13,150**	**1.45**	**1.10**	**6.81**	**141.0**	**37.07**
New Mexico	9	12,383	.45	.36	12.40	177.5	43.96
Colfax	9	12,383	.45	.36	12.40	177.5	43.96
Pennsylvania	334	13,172	1.47	1.12	6.65	140.0	36.87
Greene	334	13,172	1.47	1.12	6.65	140.0	36.87
Wisconsin Electric Power Co Presque Isle	**1,623**	**10,621**	**.60**	**.56**	**7.63**	**162.0**	**34.40**
Colorado	220	12,331	.58	.47	8.62	141.3	34.85
Gunnison	220	12,331	.58	.47	8.62	141.3	34.85
Montana	884	9,026	.48	.53	6.43	183.2	33.08
Big Horn	663	9,027	.48	.53	6.43	186.8	33.72
Rosebud	221	9,024	.48	.53	6.43	172.6	31.15
West Virginia	494	12,803	.84	.65	9.47	145.3	37.21
Nicholas	494	12,803	.84	.65	9.47	145.3	37.21
Wyoming	24	8,738	.28	.32	4.90	121.3	21.20
Campbell	24	8,738	.28	.32	4.90	121.3	21.20
Wisconsin Electric Power Co Valley	**492**	**13,165**	**1.52**	**1.16**	**6.62**	**153.5**	**40.42**
Pennsylvania	492	13,165	1.52	1.16	6.62	153.5	40.42
Greene	492	13,165	1.52	1.16	6.62	153.5	40.42
Wisconsin Power & Light Co Columbia	**3,496**	**8,634**	**.41**	**.47**	**6.09**	**117.2**	**20.24**
Montana	1,064	8,675	.71	.82	8.72	159.4	27.66
Rosebud	1,064	8,675	.71	.82	8.72	159.4	27.66
Wyoming	2,432	8,617	.28	.32	4.95	98.6	17.00
Campbell	2,432	8,617	.28	.32	4.95	98.6	17.00
Wisconsin Power & Light Co Edgewater	**2,585**	**9,273**	**.61**	**.60**	**5.79**	**130.3**	**24.17**
Illinois	104	11,994	1.36	1.13	6.29	157.4	37.75
Jefferson	104	11,994	1.36	1.13	6.29	157.4	37.75
Indiana	361	11,161	2.13	1.90	9.02	192.2	42.90
Daviess	361	11,161	2.13	1.90	9.02	192.2	42.90
Utah	21	12,776	.45	.35	7.22	164.1	41.93
Emery	21	12,776	.45	.35	7.22	164.1	41.93
Wyoming	2,099	8,778	.31	.35	5.20	114.5	20.10
Campbell	1,986	8,636	.29	.34	5.20	112.1	19.36
Carbon	113	11,287	.56	.50	5.24	147.0	33.18
Wisconsin Power & Light Co Nelson Dewey	**639**	**9,898**	**.37**	**.37**	**4.19**	**122.9**	**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, 1994 (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 Nelson Dewey							
Montana	544	9,394	0.34	0.36	4.01	115.7	21.74
Big Horn	544	9,394	.34	.36	4.01	115.7	21.74
Virginia	62	13,991	.65	.47	4.22	161.9	45.30
Buchanan	62	13,991	.65	.47	4.22	161.9	45.30
Wyoming	34	10,546	.43	.41	6.88	131.7	27.78
Carbon	34	10,546	.43	.41	6.88	131.7	27.78
Wisconsin Power & Light Co Rock River	**300**	**10,699**	**1.24**	**1.12**	**6.86**	**173.2**	**37.07**
Illinois	20	12,084	1.16	.96	5.42	164.6	39.79
Jefferson	20	12,084	1.16	.96	5.42	164.6	39.79
Indiana	146	11,200	2.03	1.81	8.95	205.5	46.04
Daviess	146	11,200	2.03	1.81	8.95	205.5	46.04
Montana	101	9,468	.37	.39	4.10	128.0	24.23
Big Horn	101	9,468	.37	.39	4.10	128.0	24.23
Utah	10	12,693	.53	.42	7.59	155.2	39.40
Emery	10	12,693	.53	.42	7.59	155.2	39.40
Wyoming	23	10,868	.49	.45	6.74	153.4	33.34
Carbon	23	10,868	.49	.45	6.74	153.4	33.34
Wisconsin Public Service Corp Pulliam	**921**	**10,008**	**.35**	**.33**	**5.11**	**132.6**	**26.54**
Illinois	10	12,209	1.39	1.14	5.75	163.6	39.95
Jefferson	10	12,209	1.39	1.14	5.75	163.6	39.95
West Virginia	229	13,320	.68	.51	6.84	179.1	47.71
Mingo	229	13,320	.68	.51	6.84	179.1	47.71
Wyoming	682	8,863	.22	.25	4.52	108.5	19.23
Campbell	682	8,863	.22	.25	4.52	108.5	19.23
Wisconsin Public Service Corp Weston	**1,749**	**8,799**	**.29**	**.33**	**4.95**	**119.6**	**21.05**
Wyoming	1,749	8,799	.29	.33	4.95	119.6	21.05
Campbell	1,749	8,799	.29	.33	4.95	119.6	21.05
Wyandotte Municipal Serv Comm Wyandotte	**99**	**13,182**	**.96**	**.74**	**6.75**	**185.9**	**49.00**
Ohio	26	12,991	1.69	1.32	6.31	182.5	47.43
Monroe	26	12,991	1.69	1.32	6.31	182.5	47.43
West Virginia	73	13,251	.70	.53	6.91	187.0	49.57
Boone	73	13,251	.70	.53	6.91	187.0	49.57
Total	**831,929**	**10,338**	**1.17**	**1.09**	**9.36**	**135.5**	**28.03**

[1] Most 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] 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

Top Electric Utilities, Ranked by Receipts

Coal

The Tennessee Valley Authority (TVA) reported the highest quantity of coal receipts of any electric utility in the Nation (Table 25). In 1994, the TVA--which operates coal-fired plants in Alabama, Kentucky, and Tennessee-- received 39 million short tons of coal, down 1 million short tons from 1993. A substantial increase in generation from TVA's nuclear and hydroelectric plants reduced coal-fired electric generation. The decrease in receipts would have been greater had it not been for the need to rebuild coal stockpiles. Generation from TVA's coal-fired plants totaled 90 billion kilowatthours (kWh) in 1994, highest of any electric utility. For comparison, Georgia Power Company and PacifiCorp ranked second and third with 64 billion and 57 billion kWh, respectively.

PacifiCorp ranked second in total coal receipts, with 32 million short tons, up 3 million short tons from 1993. An increase in receipts and use of coal at PacifiCorp can in-part be attributed to much lower hydroelectric generation throughout the West. The PacifiCorp (formed by the merger of the Pacific Power & Light Company and the Utah Power & Light Company) operates coal-fired plants in Utah, Washington, and Wyoming. PacifiCorp's plants in Utah receive mostly in-State high-Btu bituminous coal, while its Wyoming plants primarily receive subbituminous coal from Wyoming.

The Texas Utilities Electric Company (TU) reported the third highest quantity of coal receipts, with 29 million short tons of lignite delivered to four generating plants in Texas. The collaspe of an emissions stack at the Monticello plant resulted in a partial outage at the plant and a corresponding 3-million-short-ton decrease in receipts of coal from 1993. The Georgia Power Company and the Detroit Edison Company ranked fourth and fifth, respectively, in total coal receipts.

Table 25. The Top 20 Electric Utilities, Ranked by Receipts of Coal, 1994

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	39,135	122.9	29.22	1,143.6
2. PacifiCorp	32,390	94.4	17.91	580.1
3. Texas Utilities Electric Co	28,935	100.0	12.92	373.9
4. Georgia Power Co	28,461	169.0	39.78	1,132.2
5. Detroit Edison Co	21,037	146.5	31.13	654.9
6. Houston Lighting & Power Co	19,111	146.7	22.42	428.4
7. Alabama Power Co	18,531	184.3	44.82	830.5
8. PSI Energy Inc	16,171	135.7	29.99	485.0
9. Basin Electric Power Coop	15,646	59.6	8.85	138.4
10. Pennsylvania Electric Co	15,128	135.0	32.88	497.4
11. Commonwealth Edison Co	13,644	209.9	38.94	531.2
12. Northern States Power Co	13,355	114.6	20.07	268.1
13. Ohio Power Co	12,940	170.9	40.38	522.5
14. Indiana Michigan Power	12,723	113.0	20.41	259.7
15. Duke Power Co	12,121	164.3	40.74	493.8
16. Union Electric Co	11,971	116.6	23.14	277.0
17. Arizona Public Service Co	11,964	129.8	23.64	282.9
18. Appalachian Power Co	11,511	158.4	39.31	452.5
19. Monongahela Power Co	11,464	126.1	32.05	367.4
20. Kansas City Power & Light	11,355	84.4	14.68	166.7

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.'' .

Petroleum

Electric utilities located in Florida and New York led the list of the top 20 companies, ranked by total receipts of petroleum (Table 26). Number 6 fuel oil is the primary grade of petroleum consumed in large quantities by these electric utilities. The Florida Power & Light Company (FP&L) reported the highest total receipts of petroleum, 39 million barrels, nearly unchanged from 1993. Consumption of petroleum at FP&L power plants rose 1 million barrels from 1993. Overall, FP&L accounted for 27 percent of all electric utility receipts of petroleum. The Consolidated Edison Company of New York ranked second in petroleum receipts, with over 7 million barrels. Petroleum accounted for 38 percent of all fossil-fuel Btu delivered to the Company. The Florida Power Corporation, Long Island Lighting, and the Hawaiian Electric Company ranked third, fourth, and fifth, respectively, in petroleum receipts. Each received just over 7 million barrels of petroleum.

Table 26. The Top 20 Electric Utilities, Ranked by Receipts of Petroleum, 1994

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	39,128	226.8	14.42	564.1
2. Consolidated Edison Co-NY Inc	7,453	265.0	16.45	122.6
3. Florida Power Corp	7,372	226.5	14.44	106.4
4. Long Island Lighting Co	7,293	248.5	15.80	115.2
5. Hawaiian Electric Co Inc	7,096	271.2	17.05	121.0
6. Canal Electric Co	6,991	222.9	14.15	98.9
7. Potomac Electric Power	6,108	258.2	16.20	98.9
8. Pennsylvania Power & Light Co	4,773	268.0	16.85	80.4
9. Philadelphia Electric Co	4,420	255.7	16.11	71.2
10. Boston Edison Co	3,934	242.2	15.31	60.2
11. Jacksonville Electric Auth	3,740	208.2	13.23	49.5
12. Delmarva Power & Light	3,668	246.5	15.54	57.0
13. Connecticut Light & Power Co	3,642	251.2	15.93	58.0
14. New England Power Co	3,463	364.7	23.14	80.1
15. Virginia Electric & Power Co	3,207	210.7	13.29	42.6
16. Commonwealth Edison Company	2,447	274.8	17.39	42.6
17. United Illuminating Co	2,377	256.1	16.26	38.6
18. Public Service Co of NH	2,319	199.5	12.86	29.8
19. Central Hudson Gas & Elec Corp	2,288	237.4	15.03	34.4
20. Public Service Electric & Gas	2,049	306.9	19.15	39.2

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.'' .

Gas

The top 20 electric utilities in 1994, ranked according to receipts of gas, show Texas Utilities Company first with a level of 324 billion cubic feet (Bcf), up 14 Bcf from 1993 (Table 27). Higher gas-fired generation, coupled with an increase in generation at the Comanche Peak nuclear plant, offset lower coal-fired generation. The Pacific Gas & Electric Company ranked second in receipts of gas with 267 Bcf, up 89 Bcf from 1993. An increase in gas-fired generation was necessary to offset a substantial decrease in hydroelectric generation and somewhat lower nuclear generation. The Houston Lighting & Power Company (HL&P) ranked third in receipts of gas, with 220 billion cubic feet. A substantial increase in generation at the HL&P South Texas nuclear plant resulted in lower consumption of gas. The Southern California Edison Company and the Gulf States Utilities Company ranked fourth and fifth, respectively in gas receipts in 1994.

Table 27. The Top 20 Electric Utilities, Ranked by Receipts of Gas, 1994

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	324,070	253.5	2.59	840.3
2. Pacific Gas & Electric Co	267,280	229.7	2.36	631.4
3. Houston Lighting & Power Co	219,690	190.8	1.95	429.3
4. Southern California Edison Co	216,669	248.1	2.56	555.7
5. Gulf States Utilities Co	200,131	208.9	2.17	435.2
6. Florida Power & Light Co	126,183	204.5	2.05	258.1
7. Louisiana Power & Light Co	110,351	212.2	2.22	244.4
8. Central Power & Light Co	103,134	198.2	2.05	211.2
9. Public Service Co of Oklahoma	83,324	238.0	2.46	205.2
10. Consolidated Edison Co-NY Inc	72,344	216.2	2.24	162.0
11. Southwestern Public Service	67,545	185.8	1.88	126.7
12. Los Angeles City of	61,727	295.5	3.01	185.8
13. Mississippi Power & Light	50,043	189.3	1.97	98.7
14. Oklahoma Gas & Electric Co	48,393	343.3	3.56	172.3
15. Southwestern Electric Power	43,333	197.2	1.97	85.6
16. Long Island Lighting Co	42,299	207.9	2.13	90.2
17. West Texas Utilities Co	41,772	209.3	2.08	86.9
18. San Diego Gas & Electric Co	40,089	290.6	2.97	118.9
19. Commonwealth Edison Co	33,618	198.8	2.02	68.0
20. Boston Edison Company	30,764	228.1	2.37	73.0

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.'' .

Electric Utilities With Unique Situations

The following Electric Utilities have unique situations that affect the quantity or cost of fuel reported on the FERC Form 423.

Alabama Power Company. All coal delivered to the Gorgas Transshipping Facility is reported as receipts to the Gorgas Plant. Large quantities of this coal are then shipped to the Barry Plant, approximately 250 miles to the south. Transportation costs for coal shipped from the Gorgas Plant to the Barry Plant are not included in this report.

Baltimore Gas & Electric. Coal receipts for the Brandon Shores Plant are reported when received at the Newport News (Virginia) dock facility. Transportation costs from Newport News to the Brandon Shores Plant are included in the cost data shown in this report.

Consolidated Edison of New York. Its storage facilities 5 and 8 are located in New Jersey; facilities 3, 4, 6, and 7 are located in New York.

Atlantic City Electric Company. Coal receipts are reported only for the coal-fired unit at the Deepwater Plant that is owned by the company. Data on units owned by the DuPont Chemical Company, which is not an electric utility, are not included in this report.

Delmarva Power & Light Company. Only the fuel receipts for Unit 3 at the Delaware City Plant are reported. Data are not reported for Units 1, 2, and 4 because they are owned by Texaco.

Detroit Edison. The company's low cost for gas results from its purchase of large quantities of blast-furnace gas.

Florida Power Corporation. Coal shown as delivered to Ceredo Transfer (West Virginia), TTI Transfer (Kentucky), and IMT Transfer (Louisiana) is coal destined for the Crystal River plant located in Florida. Transportation costs included are only from the mine to these transfer facilities. The company incurs additional transportation costs to deliver the coal from the transfer facilities to the Crystal River Plant.

Houston Lighting & Power. Gas shown under Storage Facility 2 is purchased by HL&P and placed in storage at this facility for later distribution to individual electric plants.

Tampa Electric. Coal destined for the Big Bend electric plant is shown as delivered to the Davant Transfer facility in Louisiana. The company incurs additional transportation cost to deliver the coal from this transfer facility to the Big Bend plant.

Table A1 in Appendix A contains a listing, by State, of the electric utilities that submit the FERC Form 423.

Table 28. Receipts of Petroleum Coke by Electric Utility, 1994

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	41	14,281	4.36	0.74	51.7	14.78
Cincinnati Gas & Electric Co:ehp2.	276	12,081	3.71	9.31	99.3	24.00
Commonwealth Edison Co	7	15,372	3.93	.31	16.3	5.00
Houston Lighting & Power Co	9	14,199	.71	.00	69.2	19.64
IES Utilities	69	14,152	5.98	1.51	63.7	18.04
Manitowoc Public Utilities	21	14,445	5.40	.55	61.1	17.66
New York State Electric & Gas	11	14,123	4.12	1.00	103.2	29.15
Northern States Power Co	198	13,990	5.41	.66	69.1	19.34
Pennsylvania Power & Light Co	215	13,805	5.69	.87	54.2	14.97
Sikeston City of	213	13,831	3.90	.29	74.6	20.62
Tampa Electric Co	17	14,454	5.00	1.00	46.4	13.41
Tennessee Valley Authority	176	13,972	5.44	.96	49.3	13.78
Texas Municipal Power Co	5	14,042	2.54	2.86	12.5	3.52
Wisconsin Electric Power Co	5	13,746	3.70	.20	75.4	20.73
Total	**1,263**	**13,553**	**4.76**	**2.62**	**68.9**	**18.68**

[1] Data shown for the Cincinnati Gas & Electric Company is a mixture containing 40 percent petroleum coke and 60 percent bituminous 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, 1994

Company	Receipts (thousand barrels)	Average Quality			Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	(cents per million Btu)	(dollars per barrel)
Arkansas Power & Light Co	43	148,379	0.99	0.54	261.6	16.30
Atlantic City Electric Co	718	151,504	.93	.49	263.0	16.74
Baltimore Gas & Electric Co	1,408	151,717	.98	.53	244.7	15.59
Boston Edison Co	3,913	150,577	.77	.41	241.5	15.27
Cambridge Electric Light Co	215	147,807	.48	.26	278.5	17.29
Canal Electric Co	6,991	151,107	1.48	.80	222.9	14.15
Central Hudson Gas & Elec Corp	2,273	150,862	1.07	.57	236.4	14.98
Central Maine Power Co	952	150,354	1.24	.67	211.8	13.38
Commonwealth Edison Co	2,185	152,099	.67	.36	263.7	16.85
Connecticut Light & Power Co	3,608	151,089	.71	.38	250.0	15.86
Consolidated Edison Co-NY Inc	7,453	147,813	.26	.14	265.0	16.45
Consumers Power Co	694	152,101	.91	.48	264.2	16.88
Coop Power Assn	2	147,000	2.50	1.38	258.5	15.96
Delmarva Power & Light Co	3,433	150,974	1.19	.64	235.6	14.94
Detroit City of	257	144,046	.65	.36	290.2	17.56
Detroit Edison Co	268	145,289	.65	.36	292.5	17.85
Dover City of	271	150,648	1.03	.55	294.7	18.65
Florida Power & Light Co	39,128	151,364	1.39	.75	226.8	14.42
Florida Power Corp	7,202	152,071	1.64	.87	222.9	14.24
Gainesville Regional Utilities	4	151,460	1.59	.85	282.9	18.00
Hawaiian Electric Co Inc	7,096	149,700	.43	.23	271.2	17.05
Illinois Power Co	9	150,000	.90	.49	322.5	20.32
Jacksonville Electric Auth	3,709	151,365	1.62	.87	206.7	13.14
Jersey Central Power&Light Co	533	149,626	.53	.29	289.2	18.17
Kansas Gas & Electric Co	3	152,000	1.00	.53	157.9	10.08
Lakeland City of	130	148,593	1.30	.70	302.4	18.87
Long Island Lighting Co	7,262	151,441	.90	.48	247.8	15.76
Louisiana Power & Light Co	125	151,728	1.00	.53	193.5	12.33
Mississippi Power & Light Co	1,682	153,092	2.44	1.29	157.8	10.15
Mississippi Power Co	7	149,163	.00	.00	227.7	14.27
Montaup Electric Co	144	150,997	.80	.43	226.2	14.35
New England Power Co	3,463	151,092	1.82	.98	364.7	23.14
New Orleans Public Service Inc	5	153,028	1.44	.76	185.0	11.89
Niagara Mohawk Power Corp	1,763	150,929	1.04	.56	229.3	14.54
Orange & Rockland Utils Inc	1,366	148,450	.31	.17	268.5	16.74
Orlando Utilities Comm	632	151,160	.99	.53	227.7	14.46
Pennsylvania Power & Light Co	4,174	151,263	.93	.50	252.9	16.07
Philadelphia Electric Co	4,286	150,380	.49	.26	251.4	15.88
Potomac Electric Power Co	4,941	151,224	1.49	.80	237.0	15.05
Power Authority of State of NY	1,107	149,098	.28	.15	227.8	14.26
Public Service Co of NH	2,293	153,628	1.54	.81	197.8	12.76
Public Service Electric&Gas Co	2,048	148,548	.29	.16	306.8	19.14
San Diego Gas & Electric Co	366	146,130	.38	.21	215.9	13.25
Sierra Pacific Power Co	209	148,800	.75	.41	322.4	20.15
Southern California Edison Co	1	145,000	.03	.02	203.8	12.41
St Joseph Light & Power Co	85	155,122	2.21	1.15	165.8	10.80
Tallahassee City of	69	150,000	.53	.29	290.0	18.27
Tampa Electric Co	362	153,193	.90	.47	241.2	15.52
Taunton City of	66	150,208	2.12	1.14	243.5	15.36
United Illuminating Co	2,363	151,238	.89	.48	255.5	16.23
Vineland City of	116	151,388	.91	.49	294.4	18.72
Virginia Electric & Power Co	2,959	150,963	1.16	.62	197.5	12.52
West Penn Power Co	89	141,000	.27	.16	377.3	22.34
Western Massachusetts Elec Co	30	152,169	.99	.53	262.2	16.76
Total	**134,510**	**150,914**	**1.12**	**.60**	**240.6**	**15.25**

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, 1994

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	**498**	**12,269**	**1.40**	**11.21**	**146.1**	**35.85**	**974**	**12,033**	**1.23**	**12.09**	**143.2**	**34.47**
Lowman (AL)	498	12,269	1.40	11.21	146.1	35.85	974	12,033	1.23	12.09	143.2	34.47
Alabama Power Co1	**15,161**	**12,166**	**1.11**	**11.95**	**194.4**	**47.31**	**3,370**	**12,130**	**1.04**	**10.68**	**138.5**	**33.60**
Barry (AL)	1,484	12,357	.87	10.27	199.7	49.35	528	12,157	.88	11.46	150.7	36.64
Gadsden (AL)	123	12,629	1.86	11.84	186.4	47.08	—	—	—	—	—	—
Gorgas 2 and 3 (AL)	4,117	11,983	1.39	13.15	168.3	40.33	665	11,739	1.81	13.50	122.9	28.85
Greene (AL)	1,146	12,289	1.37	12.04	143.2	35.20	350	11,933	1.68	12.23	134.1	32.01
Gaston (AL)	3,306	12,013	1.48	12.32	173.1	41.58	636	12,222	1.09	11.28	151.4	37.00
James Miller (AL)	4,985	12,321	.61	11.19	239.6	59.05	1,192	12,344	.46	7.99	136.0	33.57
American Mun Power Ohio Inc	—	—	—	—	—	—	**766**	**11,550**	**4.78**	**14.74**	**90.9**	**21.00**
Gorsuch (OH)	—	—	—	—	—	—	766	11,550	4.78	14.74	90.9	21.00
Ames City of	**218**	**8,729**	**.20**	**4.49**	**139.0**	**24.27**	—	—	—	—	—	—
Ames (IA)	218	8,729	.20	4.49	139.0	24.27	—	—	—	—	—	—
Appalachian Power Co	**9,854**	**12,407**	**.75**	**11.38**	**165.9**	**41.16**	**1,657**	**12,416**	**.73**	**11.99**	**114.1**	**28.33**
Clinch River (VA)	1,388	12,492	.71	13.34	133.3	33.30	421	12,442	.70	13.23	110.8	27.56
Glen Lyn (VA)	569	12,840	.90	9.80	140.1	35.98	130	13,073	.85	8.85	134.3	35.10
Amos (WV)	5,159	12,355	.79	11.29	178.5	44.11	481	12,340	.82	11.30	109.9	27.13
Kanawha River (WV)	360	12,554	.76	11.31	167.5	42.05	—	—	—	—	—	—
Mountaineer (WV)	2,377	12,343	.67	10.83	163.8	40.45	625	12,322	.67	12.35	115.1	28.35
Arizona Electric Pwr Coop Inc	**1,282**	**10,052**	**.43**	**12.37**	**132.1**	**26.55**	**40**	**10,627**	**.42**	**8.57**	**97.1**	**20.63**
Apache (AZ)	1,282	10,052	.43	12.37	132.1	26.55	40	10,627	.42	8.57	97.1	20.63
Arizona Public Service Co	**10,773**	**9,033**	**.71**	**19.95**	**131.5**	**23.75**	**1,191**	**9,783**	**.44**	**14.23**	**116.0**	**22.70**
Cholla (AZ)	2,364	10,099	.42	11.89	170.5	34.43	1,191	9,783	.44	14.23	116.0	22.70
Four Corners (NM)	8,409	8,733	.79	22.21	118.8	20.74	—	—	—	—	—	—
Arkansas Power & Light Co	**9,829**	**8,773**	**.31**	**4.99**	**161.9**	**28.40**	**336**	**8,614**	**.32**	**5.01**	**129.1**	**22.25**
Whitebluff (AR)	5,065	8,712	.38	5.35	181.6	31.64	336	8,614	.32	5.01	129.1	22.25
Independence (AR)	4,764	8,837	.25	4.60	141.2	24.95	—	—	—	—	—	—
Associated Electric Coop Inc	**5,187**	**9,712**	**1.31**	**6.23**	**107.0**	**20.78**	—	—	—	—	—	—
Madrid (MO)	3,202	10,349	1.99	7.26	115.7	23.95	—	—	—	—	—	—
Hill (MO)	1,984	8,684	.20	4.57	90.2	15.66	—	—	—	—	—	—
Atlantic City Electric Co	**791**	**12,918**	**2.10**	**9.71**	**170.7**	**44.10**	**45**	**12,926**	**1.43**	**8.73**	**163.7**	**42.33**
England (NJ)	624	12,943	2.44	9.55	168.4	43.58	21	13,250	2.05	6.54	149.4	39.59
Deepwater (NJ)	167	12,822	.81	10.30	179.5	46.04	24	12,639	.88	10.68	177.1	44.76
Baltimore Gas & Electric Co	**3,774**	**12,749**	**.86**	**9.70**	**147.3**	**37.57**	**1,307**	**12,776**	**.91**	**9.07**	**155.4**	**39.70**
Brandon Shores (MD)	2,616	12,572	.69	10.45	148.5	37.33	865	12,633	.68	9.46	156.0	39.42
Crane (MD)	484	13,329	1.82	7.05	145.0	38.64	224	13,116	1.85	7.79	156.6	41.07
Wagner (MD)	674	13,019	.86	8.71	144.9	37.72	218	12,997	.89	8.83	151.7	39.42
Basin Electric Power Coop	**15,646**	**7,425**	**.49**	**7.02**	**59.6**	**8.85**	—	—	—	—	—	—
Leland Olds (ND)	3,124	6,676	.63	8.59	71.9	9.59	—	—	—	—	—	—
Laramie River (WY)	7,420	8,270	.37	4.93	51.3	8.48	—	—	—	—	—	—
Antelope Valley (ND)	5,102	6,656	.57	9.10	67.1	8.93	—	—	—	—	—	—
Big Rivers Electric Corp	**3,541**	**11,429**	**3.34**	**12.25**	**133.1**	**30.42**	**1,268**	**11,618**	**2.30**	**8.92**	**104.4**	**24.27**
Coleman (KY)	165	11,122	2.56	8.77	95.6	21.27	1,020	11,737	2.14	8.61	106.5	25.00
Reid-Henderson (KY)	777	12,271	2.71	9.35	121.9	29.92	115	11,331	2.58	8.48	103.3	23.41
R D Green (KY)	1,337	10,602	3.83	15.97	131.0	27.78	132	10,946	3.29	11.69	88.4	19.35
Wilson (KY)	1,261	11,826	3.33	10.54	146.8	34.73	—	—	—	—	—	—
Cajun Electric Power Coop Inc	**5,588**	**8,442**	**.36**	**4.93**	**152.2**	**25.70**	**207**	**10,110**	**.17**	**2.43**	**164.5**	**33.27**
Big Cajun No.2 (LA)	5,588	8,442	.36	4.93	152.2	25.70	207	10,110	.17	2.43	164.5	33.27
Cardinal Operating Co	**4,226**	**12,115**	**2.13**	**11.59**	**160.9**	**38.97**	**35**	**12,137**	**4.43**	**10.46**	**74.0**	**17.97**
Cardinal (OH)	4,226	12,115	2.13	11.59	160.9	38.97	35	12,137	4.43	10.46	74.0	17.97

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1994 (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	**8,167**	**12,427**	**0.87**	**10.42**	**178.0**	**44.23**	**1,581**	**12,597**	**1.13**	**9.41**	**151.7**	**38.22**
Asheville (NC)	948	12,837	1.18	10.48	127.9	32.82	20	12,533	1.37	9.89	133.2	33.39
Cape Fear (NC)	393	12,790	1.04	8.63	198.4	50.75	156	12,630	1.14	9.68	154.7	39.07
Lee (NC)	238	12,856	1.02	8.57	215.6	55.44	119	12,642	1.11	10.59	156.2	39.50
Roxboro (NC)	4,655	12,390	.84	10.30	180.5	44.73	712	12,633	1.15	8.84	144.1	36.41
Sutton (NC)	177	12,705	1.00	10.32	167.8	42.64	395	12,518	1.04	9.82	159.8	40.00
Weatherspoon (NC)	60	12,864	1.07	8.69	177.8	45.74	59	12,550	.97	9.36	161.2	40.46
Robinson (SC)	179	12,786	1.06	9.09	193.1	49.38	120	12,593	1.34	9.86	160.3	40.37
Mayo (NC)	1,518	12,033	.66	11.74	190.6	45.87	—	—	—	—	—	—
Cedar Falls City of	—	—	—	—	—	—	**42**	**11,375**	**2.60**	**9.23**	**139.8**	**31.80**
Streeter (IA)	—	—	—	—	—	—	42	11,375	2.60	9.23	139.8	31.80
Central Electric Pwr Coop-MO	—	—	—	—	—	—	**146**	**10,843**	**2.98**	**9.87**	**128.4**	**27.85**
Chamois (MO)	—	—	—	—	—	—	146	10,843	2.98	9.87	128.4	27.85
Central Hudson Gas & Elec Corp	**651**	**13,068**	**.62**	**7.80**	**191.0**	**49.93**	**117**	**13,172**	**.62**	**7.30**	**189.5**	**49.93**
Danskammer (NY)	651	13,068	.62	7.80	191.0	49.93	117	13,172	.62	7.30	189.5	49.93
Central Illinois Light Co	**1,847**	**11,798**	**2.25**	**7.67**	**172.3**	**40.65**	**735**	**11,504**	**1.80**	**9.65**	**146.4**	**33.69**
Edwards (IL)	803	13,265	.64	5.69	158.9	42.14	671	11,827	1.67	8.35	151.8	35.91
Duck Creek (IL)	1,044	10,670	3.48	9.20	185.1	39.51	64	8,116	3.14	23.34	63.9	10.38
Central Illinois Pub Serv Co	**4,784**	**10,892**	**1.81**	**9.29**	**161.3**	**35.13**	**782**	**11,200**	**1.68**	**9.53**	**134.7**	**30.18**
Coffeen (IL)	1,983	10,322	1.52	8.47	153.5	31.68	205	10,819	3.32	9.45	135.9	29.41
Grand Tower (IL)	182	11,527	2.86	11.70	185.4	42.73	45	11,628	2.87	11.54	99.6	23.16
Hutsonville (IL)	106	11,043	2.28	10.17	121.8	26.90	55	11,061	2.21	9.99	112.5	24.89
Meredosia (IL)	462	11,451	2.86	5.56	156.2	35.76	—	—	—	—	—	—
Newton (IL)	2,051	11,253	1.74	10.66	169.1	38.07	477	11,339	.80	9.32	140.2	31.79
Central Iowa Power Coop	**88**	**11,355**	**2.72**	**8.74**	**115.6**	**26.25**	**100**	**11,142**	**3.02**	**9.87**	**112.2**	**25.01**
Fair Station (IA)	88	11,355	2.72	8.74	115.6	26.25	100	11,142	3.02	9.87	112.2	25.01
Central Louisiana Elec Co Inc	**5,353**	**7,516**	**.70**	**10.31**	**153.8**	**23.12**	—	—	—	—	—	—
Dolet Hills (LA)	3,467	6,890	.84	12.83	135.7	18.70	—	—	—	—	—	—
Rodemacher (LA)	1,886	8,668	.45	5.68	180.3	31.25	—	—	—	—	—	—
Central Operating Co	**768**	**12,412**	**1.24**	**11.48**	**160.3**	**39.80**	**371**	**12,370**	**1.39**	**12.39**	**111.7**	**27.64**
Sporn (WV)	768	12,412	1.24	11.48	160.3	39.80	371	12,370	1.39	12.39	111.7	27.64
Central Power & Light Co	**957**	**10,546**	**.38**	**5.41**	**233.3**	**49.21**	**862**	**11,206**	**.46**	**7.97**	**155.0**	**34.74**
Coleto Creek (TX)	957	10,546	.38	5.41	233.3	49.21	862	11,206	.46	7.97	155.0	34.74
Cincinnati Gas & Electric Co	**4,743**	**11,948**	**1.67**	**11.64**	**152.5**	**36.43**	**4,035**	**12,311**	**2.97**	**10.36**	**103.8**	**25.56**
Beckjord (OH)	1,183	11,841	.93	13.38	170.5	40.37	255	12,233	2.35	10.91	109.7	26.85
Miami Fort (OH)	1,301	12,242	1.01	11.34	175.0	42.84	1,083	12,271	1.80	10.63	114.3	28.06
East Bend (KY)	867	11,898	1.20	12.68	160.9	38.29	591	12,412	3.13	9.94	103.8	25.76
Zimmer (OH)	1,392	11,795	3.20	9.80	109.9	25.92	2,106	12,312	3.61	10.28	97.8	24.07
Cleveland Electric Illum Co	**2,342**	**12,853**	**2.72**	**8.41**	**142.6**	**36.67**	**2,122**	**13,036**	**1.99**	**7.49**	**121.5**	**31.68**
Ashtabula (OH)	633	12,608	4.20	8.86	146.8	37.02	185	12,566	4.11	8.98	116.5	29.29
Avon Lake (OH)	691	12,957	.66	8.29	148.6	38.51	651	13,046	1.67	6.99	119.3	31.13
Eastlake (OH)	910	12,884	3.51	8.41	132.1	34.04	1,286	13,099	1.85	7.53	123.3	32.30
Lake Shore (OH)	108	13,354	.62	6.61	167.9	44.85	—	—	—	—	—	—
Colorado Springs City of	**1,014**	**10,658**	**.40**	**5.97**	**150.4**	**32.05**	**316**	**11,019**	**.41**	**9.01**	**94.9**	**20.92**
Drake (CO)	706	10,569	.39	5.45	159.7	33.75	41	10,676	.41	9.84	94.6	20.20
Nixon (CO)	308	10,862	.40	7.16	129.6	28.16	274	11,070	.41	8.89	95.0	21.03
Columbia City of	**33**	**13,832**	**.95**	**6.58**	**205.6**	**56.88**	**18**	**13,108**	**.72**	**7.73**	**220.6**	**57.82**
Columbia (MO)	33	13,832	.95	6.58	205.6	56.88	18	13,108	.72	7.73	220.6	57.82

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1994 (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	**2,683**	**11,806**	**3.07**	**8.36**	**160.1**	**37.79**	**1,319**	**11,697**	**3.35**	**10.70**	**103.6**	**24.23**
Conesville (OH)	2,683	11,806	3.07	8.36	160.1	37.79	1,019	11,791	3.32	10.60	104.2	24.56
Picway (OH)	—	—	—	—	—	—	300	11,378	3.44	11.05	101.5	23.11
Commonwealth Edison Co	**10,878**	**9,278**	**.80**	**5.32**	**230.4**	**42.75**	**2,766**	**9,259**	**.35**	**4.72**	**129.2**	**23.93**
Crawford (IL)	889	8,875	.31	5.21	299.0	53.08	143	8,930	.32	4.47	135.6	24.22
Joliet (IL)	2,461	9,435	.35	4.31	242.4	45.74	649	9,300	.35	4.26	115.8	21.53
Kincaid (IL)	1,453	10,538	3.79	8.90	104.6	22.05	196	11,881	.43	7.44	131.2	31.17
Powerton (IL)	1,295	9,044	.28	4.55	259.4	46.93	767	8,837	.33	4.73	120.4	21.28
Waukegan (IL)	1,754	8,759	.42	5.57	218.1	38.21	259	8,693	.37	5.06	121.9	21.20
Will County (IL)	1,764	8,877	.26	4.78	272.6	48.39	613	9,203	.33	4.41	147.3	27.12
Fisk (IL)	359	8,986	.31	4.73	272.2	48.92	85	9,304	.35	4.11	168.3	31.32
State Line (IN)	903	9,464	.36	4.40	249.0	47.14	54	9,414	.33	4.05	152.2	28.66
Consumers Power Co	**4,636**	**12,176**	**.76**	**10.53**	**160.3**	**39.04**	**2,739**	**10,703**	**.71**	**8.92**	**143.2**	**30.65**
Cobb (MI)	496	10,769	.56	7.34	154.1	33.20	488	10,049	.65	8.13	135.5	27.23
Karn-Weadock (MI)	795	12,233	.83	11.60	155.4	38.02	253	12,406	.90	11.03	147.8	36.68
Campbell (MI)	2,324	12,420	.74	10.51	166.6	41.38	1,037	10,912	.68	8.54	152.6	33.30
Weadock (MI)	488	12,197	.83	11.63	154.9	37.78	650	9,410	.60	8.10	126.8	23.86
Whiting (MI)	533	12,320	.84	10.97	149.8	36.92	311	12,348	.95	11.43	147.9	36.53
Coop Power Assn	**7,007**	**6,292**	**.70**	**10.97**	**78.9**	**9.93**	**289**	**6,273**	**.69**	**10.89**	**36.7**	**4.60**
Coal Creek (ND)	7,007	6,292	.70	10.97	78.9	9.93	289	6,273	.69	10.89	36.7	4.60
Dairyland Power Coop	**1,002**	**8,527**	**.29**	**4.55**	**146.0**	**24.89**	**916**	**10,774**	**1.11**	**6.38**	**128.6**	**27.72**
Alma-Madgett (WI)	1,002	8,527	.29	4.55	146.0	24.89	360	10,155	1.04	6.86	130.8	26.56
Genoa No.3 (WI)	—	—	—	—	—	—	556	11,174	1.16	6.07	127.4	28.46
Dayton Power & Light Co	**4,633**	**11,951**	**1.00**	**13.07**	**153.5**	**36.69**	**3,267**	**11,629**	**1.24**	**13.86**	**115.0**	**26.74**
Hutchings (OH)	—	—	—	—	—	—	182	12,197	.87	11.48	134.9	32.90
Stuart (OH)	4,059	11,895	1.05	13.09	150.7	35.85	2,497	11,427	1.41	14.51	110.7	25.30
Killen (OH)	573	12,342	.63	12.91	172.5	42.57	588	12,311	.64	11.84	125.8	30.97
Delmarva Power & Light Co	**1,933**	**12,941**	**.90**	**9.24**	**162.1**	**41.94**	**350**	**13,023**	**1.05**	**8.29**	**162.0**	**42.19**
Edgemoor (DE)	618	13,076	.80	8.74	158.2	41.36	57	12,730	.65	6.82	165.9	42.25
Indian River (DE)	1,315	12,878	.94	9.47	163.9	42.22	294	13,080	1.13	8.57	161.2	42.17
Deseret Generation & Tran Coop	**1,514**	**10,633**	**.47**	**9.58**	**217.6**	**46.26**	—	—	—	—	—	—
Bonanza (UT)	1,514	10,633	.47	9.58	217.6	46.26	—	—	—	—	—	—
Detroit Edison Co	**17,549**	**10,361**	**.60**	**5.40**	**147.5**	**30.56**	**3,488**	**11,959**	**.79**	**7.72**	**142.1**	**33.99**
Harbor Beach (MI)	15	12,876	.75	7.17	181.9	46.84	64	13,287	.77	7.80	156.2	41.50
Marysville (MI)	19	13,121	.84	7.31	193.7	50.82	81	13,142	.81	7.94	157.0	41.27
Monroe (MI)	7,440	10,992	.79	6.21	143.9	31.63	1,540	12,875	.95	7.81	142.9	36.79
River Rouge (MI)	915	11,248	.57	8.70	156.0	35.08	356	12,143	.68	10.81	149.2	36.25
St Clair (MI)	4,717	9,721	.49	4.38	145.1	28.20	492	9,641	.65	6.29	125.0	24.11
Trenton Channel (MI)	939	10,669	.50	5.27	157.4	33.58	555	12,963	.83	8.08	153.3	39.74
Belle River (MI)	3,504	9,542	.37	4.20	153.6	29.31	400	9,271	.42	5.79	122.5	22.72
Duke Power Co	**9,298**	**12,367**	**1.00**	**10.32**	**170.8**	**42.24**	**2,823**	**12,499**	**.94**	**9.93**	**143.1**	**35.78**
Allen (NC)	1,181	12,456	1.11	11.35	178.5	44.47	20	12,934	.68	9.40	141.3	36.55
Buck (NC)	46	12,315	.82	9.62	164.2	40.44	175	12,536	.94	10.03	154.9	38.83
Cliffside (NC)	586	12,704	.96	8.62	169.1	42.98	291	12,618	.81	10.78	135.3	34.15
Dan River (NC)	39	12,252	.86	10.69	171.9	42.11	159	12,431	.86	11.16	151.4	37.63
Marshall (NC)	2,960	12,403	1.02	10.81	175.4	43.52	1,176	12,524	.91	9.46	142.3	35.64
Riverbend (NC)	291	12,453	1.09	9.11	182.4	45.44	134	12,355	1.10	9.66	148.4	36.68
Lee (SC)	130	12,595	.92	8.33	199.7	50.31	111	12,846	1.18	8.89	152.1	39.07
Belews Creek (NC)	4,065	12,256	.96	10.06	163.6	40.09	757	12,384	1.00	10.25	140.8	34.86
Duquesne Light Co	**1,689**	**12,625**	**1.49**	**10.58**	**153.8**	**38.83**	**1,062**	**12,866**	**2.30**	**9.19**	**102.6**	**26.40**
Elrama (PA)	783	12,517	1.81	11.85	178.0	44.56	315	12,144	2.37	12.46	101.4	24.62
Cheswick (PA)	906	12,719	1.22	9.48	133.2	33.87	747	13,171	2.28	7.81	103.0	27.14

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, 1994 (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)
East Kentucky Power Coop Inc	**1,915**	**12,273**	**1.14**	**10.82**	**115.5**	**28.36**	**1,501**	**12,399**	**0.98**	**9.58**	**121.4**	**30.11**
Cooper (KY)	412	12,185	1.58	11.29	120.2	29.30	382	12,416	1.34	9.70	122.2	30.35
Dale (KY)	—	—	—	—	—	—	370	12,306	.84	8.85	118.9	29.27
Spurlock (KY)	1,503	12,297	1.02	10.69	114.2	28.10	749	12,435	.87	9.87	122.2	30.40
Electric Energy Inc	**3,906**	**9,269**	**.67**	**5.43**	**88.1**	**16.34**	**233**	**11,655**	**1.94**	**9.06**	**111.4**	**25.96**
Joppa (IL)	3,906	9,269	.67	5.43	88.1	16.34	233	11,655	1.94	9.06	111.4	25.96
Empire District Electric Co	**1,137**	**9,283**	**.72**	**5.50**	**103.2**	**19.16**	—	—	—	—	—	—
Riverton (KS)	289	9,817	1.05	5.96	114.4	22.47	—	—	—	—	—	—
Asbury (MO)	848	9,101	.60	5.34	99.1	18.04	—	—	—	—	—	—
Florida Power Corp2	**4,788**	**12,536**	**.81**	**9.09**	**182.1**	**45.66**	**466**	**12,680**	**.88**	**8.55**	**164.5**	**41.72**
Crystal River (FL)	3,470	12,556	.83	8.89	184.0	46.20	364	12,643	.94	9.03	166.2	42.01
IMT Transfer (LA)	1,318	12,483	.78	9.61	177.2	44.23	102	12,813	.66	6.85	158.6	40.65
Fremont City of	**220**	**8,550**	**.30**	**4.53**	**85.0**	**14.54**	**20**	**7,621**	**.35**	**10.65**	**46.3**	**7.06**
Wright (NE)	220	8,550	.30	4.53	85.0	14.54	20	7,621	.35	10.65	46.3	7.06
Gainesville Regional Utilities	**555**	**13,159**	**.60**	**6.90**	**173.2**	**45.59**	—	—	—	—	—	—
Deerhaven (FL)	555	13,159	.60	6.90	173.2	45.59	—	—	—	—	—	—
Georgia Power Co	**19,299**	**12,389**	**1.24**	**9.89**	**174.5**	**43.24**	**9,162**	**10,463**	**.66**	**7.09**	**155.3**	**32.49**
Arkwright (GA)	105	12,860	1.35	9.90	198.6	51.07	5	12,112	2.00	11.59	164.4	39.82
Atkinson-Mcdonough (GA)	1,098	12,689	.89	8.72	135.2	34.31	82	12,376	1.15	9.27	146.3	36.22
Bowen (GA)	8,853	12,408	1.12	10.25	160.9	39.93	134	12,174	1.41	11.62	134.5	32.76
Hammond (GA)	589	12,757	1.35	10.36	178.9	45.64	114	11,837	.81	13.53	152.2	36.03
Harllee Branch (GA)	1,710	12,635	1.29	9.82	188.2	47.55	1,264	12,202	1.30	10.27	154.2	37.63
Mitchell (GA)	89	12,753	1.27	9.09	196.2	50.05	—	—	—	—	—	—
Yates (GA)	829	12,341	1.63	9.98	182.5	45.05	178	12,565	1.82	8.57	155.0	38.94
Wansley (GA)	3,456	11,945	1.95	9.07	181.1	43.27	681	12,209	1.24	9.45	157.9	38.56
Scherer (GA)	2,569	12,525	.65	10.22	215.1	53.88	6,702	9,819	.43	5.98	155.9	30.62
Grand Haven City of	**80**	**11,089**	**2.50**	**10.16**	**162.8**	**36.11**	**87**	**11,379**	**2.34**	**9.16**	**146.4**	**33.32**
J B Simms (MI)	80	11,089	2.50	10.16	162.8	36.11	87	11,379	2.34	9.16	146.4	33.32
Grand Island City of	—	—	—	—	—	—	**362**	**8,381**	**.34**	**5.42**	**68.8**	**11.53**
Platte (NE)	—	—	—	—	—	—	362	8,381	.34	5.42	68.8	11.53
Grand River Dam Authority	**3,066**	**8,532**	**.47**	**5.15**	**92.2**	**15.74**	**878**	**8,707**	**.19**	**4.52**	**89.0**	**15.49**
GRDA No 1 (OK)	3,066	8,532	.47	5.15	92.2	15.74	878	8,707	.19	4.52	89.0	15.49
Gulf Power Co	**569**	**12,207**	**1.02**	**6.44**	**228.2**	**55.71**	**2,280**	**11,934**	**1.98**	**7.60**	**163.7**	**39.08**
Crist (FL)	461	12,191	1.04	6.43	228.0	55.59	1,443	11,892	2.24	7.59	164.0	39.00
Scholtz (FL)	—	—	—	—	—	—	67	11,861	3.09	9.35	168.7	40.03
Smith (FL)	108	12,272	.96	6.52	229.1	56.24	770	12,021	1.42	7.47	162.8	39.13
Gulf States Utilities Co	**2,260**	**8,668**	**.45**	**5.67**	**157.0**	**27.22**	—	—	—	—	—	—
Nelson (LA)	2,260	8,668	.45	5.67	157.0	27.22	—	—	—	—	—	—
Hamilton City of	**140**	**12,515**	**.74**	**9.27**	**156.4**	**39.14**	—	—	—	—	—	—
Hamilton (OH)	140	12,515	.74	9.27	156.4	39.14	—	—	—	—	—	—
Hastings City of	**106**	**8,860**	**.21**	**4.55**	**83.2**	**14.74**	**181**	**8,443**	**.33**	**5.19**	**76.4**	**12.90**
Hastings (NE)	106	8,860	.21	4.55	83.2	14.74	181	8,443	.33	5.19	76.4	12.90
Holland City of	**154**	**12,952**	**.86**	**6.51**	**184.0**	**47.66**	—	—	—	—	—	—
James De Young (MI)	154	12,952	.86	6.51	184.0	47.66	—	—	—	—	—	—
Holyoke Water Power Co	**297**	**13,157**	**1.45**	**6.51**	**157.8**	**41.53**	**48**	**12,884**	**.55**	**7.74**	**206.0**	**53.07**
Mount Tom (MA)	297	13,157	1.45	6.51	157.8	41.53	48	12,884	.55	7.74	206.0	53.07

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, 1994 (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)
Hoosier Energy R E C Inc	**2,559**	**11,119**	**3.39**	**10.73**	**134.5**	**29.92**	**440**	**10,764**	**2.86**	**12.51**	**86.6**	**18.64**
Frank E Ratts (IN)	580	11,172	2.54	8.62	137.0	30.61	—	—	—	—	—	—
Merom (IN)	1,979	11,103	3.64	11.34	133.8	29.72	440	10,764	2.86	12.51	86.6	18.64
Houston Lighting & Power Co	**19,111**	**7,638**	**.70**	**10.60**	**146.7**	**22.42**	—	—	—	—	—	—
Limestone (TX)	8,628	6,512	1.10	17.24	89.5	11.66	—	—	—	—	—	—
Parish (TX)	10,483	8,564	.37	5.14	182.6	31.27	—	—	—	—	—	—
IES Utilities Co	**1,524**	**8,420**	**.38**	**5.58**	**112.4**	**18.93**	**2,654**	**8,711**	**.55**	**5.62**	**93.8**	**16.34**
6th St (IA)	—	—	—	—	—	—	24	11,384	2.16	8.20	140.8	32.06
Praire Creek (IA)	—	—	—	—	—	—	816	9,210	.77	5.74	111.4	20.51
Sutherland (IA)	—	—	—	—	—	—	368	8,629	.43	5.73	73.7	12.71
Burlington (IA)	23	11,372	2.63	8.56	126.1	28.68	528	8,510	.54	5.92	88.7	15.10
Ottumwa (IA)	1,501	8,374	.35	5.54	112.1	18.78	918	8,345	.37	5.22	86.2	14.39
Illinois Power Co	**5,142**	**11,039**	**2.71**	**9.60**	**135.3**	**29.87**	**1,179**	**11,821**	**1.21**	**9.75**	**138.0**	**32.62**
Baldwin (IL)	4,190	10,902	2.93	9.91	132.6	28.90	10	11,388	3.04	8.40	172.3	39.24
Havana (IL)	13	12,829	.84	7.76	173.5	44.52	508	12,240	.63	8.78	137.6	33.68
Hennepin (IL)	448	10,865	2.69	9.92	149.0	32.38	50	11,597	3.05	7.88	172.8	40.07
Vermilion (IL)	—	—	—	—	—	—	309	10,776	2.32	12.17	129.1	27.83
Wood River (IL)	490	12,323	.91	6.69	143.9	35.47	300	12,241	.68	9.26	140.0	34.29
Independence City of	**96**	**11,021**	**2.82**	**10.07**	**143.7**	**31.67**	—	—	—	—	—	—
Blue Valley (MO)	96	11,021	2.82	10.07	143.7	31.67	—	—	—	—	—	—
Indiana-Kentucky Electric Corp	**2,171**	**10,966**	**2.77**	**9.58**	**107.0**	**23.46**	**2,057**	**11,532**	**3.46**	**10.47**	**95.9**	**22.12**
Clifty Creek (IN)	2,171	10,966	2.77	9.58	107.0	23.46	2,057	11,532	3.46	10.47	95.9	22.12
Indiana Michigan Power Co	**8,575**	**9,000**	**.41**	**5.50**	**116.4**	**20.96**	**4,149**	**9,108**	**.60**	**6.03**	**105.9**	**19.29**
Tanners Creek (IN)	979	12,314	1.22	10.57	156.5	38.54	754	12,205	1.80	10.98	113.7	27.76
Rockport (IN)	7,595	8,572	.30	4.85	109.0	18.69	3,394	8,419	.33	4.93	103.4	17.41
Indianapolis Power & Light Co	**4,095**	**11,130**	**2.41**	**8.84**	**112.3**	**25.00**	**2,256**	**11,327**	**2.12**	**8.32**	**100.9**	**22.87**
Stout (IN)	920	11,262	1.84	8.30	117.2	26.40	479	11,429	2.14	8.13	111.2	25.42
Pritchard (IN)	107	11,518	1.32	6.26	113.1	26.05	224	11,397	1.19	7.09	117.3	26.74
Petersburg (IN)	3,068	11,078	2.61	9.09	110.8	24.54	1,553	11,286	2.25	8.56	95.3	21.52
Interstate Power Co	**1,118**	**10,087**	**1.20**	**6.51**	**188.5**	**38.03**	**80**	**11,158**	**1.70**	**8.60**	**151.9**	**33.89**
Dubuque (IA)	99	11,038	3.08	8.96	206.4	45.57	—	—	—	—	—	—
Lansing (IA)	558	8,620	.51	5.04	232.8	40.13	—	—	—	—	—	—
Kapp (IA)	460	11,660	1.62	7.77	145.1	33.85	42	11,305	1.88	8.16	148.5	33.57
Fox Lake (MN)	—	—	—	—	—	—	37	10,990	1.50	9.10	155.9	34.25
Iowa-Illinois Gas&Electric Co	**1,895**	**9,081**	**.74**	**6.14**	**112.1**	**20.36**	**224**	**8,360**	**.35**	**5.64**	**93.4**	**15.62**
Riverside (IA)	398	11,748	2.26	9.46	104.7	24.61	—	—	—	—	—	—
Louisa (IA)	1,497	8,372	.34	5.25	114.9	19.24	224	8,360	.35	5.64	93.4	15.62
Jacksonville Electric Auth	**3,006**	**12,254**	**.93**	**9.02**	**163.0**	**39.94**	**728**	**11,960**	**.68**	**6.74**	**122.0**	**29.19**
St Johns River (FL)	3,006	12,254	.93	9.02	163.0	39.94	728	11,960	.68	6.74	122.0	29.19
Jamestown City of	—	—	—	—	—	—	**93**	**12,643**	**1.89**	**9.30**	**135.6**	**34.30**
Samuel A Carlson (NY)	—	—	—	—	—	—	93	12,643	1.89	9.30	135.6	34.30
Kansas City City of	**1,407**	**9,312**	**.66**	**6.28**	**115.1**	**21.44**	**28**	**10,964**	**3.02**	**10.25**	**111.8**	**24.52**
Kaw (KS)	176	10,527	.42	6.98	129.7	27.31	—	—	—	—	—	—
Quindaro (KS)	390	10,920	1.43	8.71	161.1	35.18	28	10,964	3.02	10.25	111.8	24.52
Nearman (KS)	841	8,313	.36	5.00	83.2	13.83	—	—	—	—	—	—
Kansas City Power & Light Co	**3,404**	**8,783**	**.29**	**5.10**	**88.7**	**15.58**	**7,951**	**8,664**	**.54**	**5.78**	**82.5**	**14.29**
La Cygne (KS)	48	8,747	.34	5.67	99.0	17.32	5,365	8,709	.64	6.01	81.9	14.26
Hawthorne (MO)	1,090	8,862	.21	4.50	95.7	16.96	276	9,050	.36	5.45	84.9	15.37
Montrose (MO)	—	—	—	—	—	—	1,743	8,443	.33	5.23	88.3	14.91
Iatan (MO)	2,266	8,746	.33	5.37	85.1	14.88	567	8,725	.33	5.46	69.5	12.13

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1994 (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)
Kansas Power & Light Co	**9,024**	**8,616**	**0.37**	**5.35**	**111.6**	**19.24**	—	—	—	—	—	—
Lawrence (KS)	840	11,114	.42	10.13	115.1	25.59	—	—	—	—	—	—
Tecumseh (KS)	350	11,121	.43	10.15	115.4	25.66	—	—	—	—	—	—
Jeffrey Energy Cnt (KS)	7,834	8,237	.36	4.62	110.9	18.27	—	—	—	—	—	—
Kentucky Power Co	**1,904**	**12,102**	**1.23**	**10.69**	**108.5**	**26.25**	**544**	**12,085**	**1.37**	**10.56**	**102.5**	**24.77**
Big Sandy (KY)	1,904	12,102	1.23	10.69	108.5	26.25	544	12,085	1.37	10.56	102.5	24.77
Kentucky Utilities Co	**3,576**	**12,100**	**1.14**	**10.26**	**121.4**	**29.38**	**3,055**	**12,151**	**1.49**	**10.30**	**116.6**	**28.34**
Brown (KY)	744	11,821	1.36	12.07	116.2	27.48	778	12,184	1.83	11.54	116.3	28.34
Ghent (KY)	2,419	12,237	.89	10.05	125.6	30.73	2,230	12,137	1.38	9.86	116.4	28.26
Green River (KY)	413	11,798	2.25	8.27	105.7	24.94	—	—	—	—	—	—
Tyrone (KY)	—	—	—	—	—	—	47	12,262	1.00	10.67	130.0	31.88
Lakeland City of	**671**	**13,041**	**1.01**	**7.54**	**174.9**	**45.63**	**321**	**12,716**	**1.33**	**9.02**	**170.3**	**43.30**
Plant 3-Mcintosh (FL)	671	13,041	1.01	7.54	174.9	45.63	321	12,716	1.33	9.02	170.3	43.30
Lansing City of	**517**	**12,590**	**.88**	**8.74**	**171.1**	**43.08**	**192**	**12,591**	**.85**	**9.79**	**178.2**	**44.87**
Eckert (MI)	314	12,541	.87	8.78	171.1	42.93	55	12,535	.84	9.97	179.9	45.09
Erickson (MI)	203	12,667	.89	8.67	171.0	43.33	137	12,614	.85	9.71	177.5	44.77
Los Angeles City of	**4,618**	**11,766**	**.46**	**9.16**	**145.9**	**34.34**	**69**	**12,045**	**.54**	**11.25**	**90.3**	**21.76**
Intermountain (UT)	4,618	11,766	.46	9.16	145.9	34.34	69	12,045	.54	11.25	90.3	21.76
Louisville Gas & Electric Co	**5,417**	**11,523**	**3.07**	**9.84**	**111.1**	**25.61**	**486**	**11,274**	**3.05**	**11.85**	**99.7**	**22.48**
Cane Run (KY)	1,129	11,542	3.11	10.18	116.8	26.96	58	11,130	2.07	12.58	103.7	23.09
Mill Creek (KY)	3,090	11,570	3.08	9.85	112.8	26.10	134	11,420	3.18	11.59	102.8	23.48
Trimble County (KY)	1,199	11,385	3.01	9.51	101.3	23.08	294	11,237	3.19	11.82	97.4	21.90
Lower Colorado River Authority	**6,341**	**8,600**	**.37**	**5.42**	**124.5**	**21.42**	—	—	—	—	—	—
S Seymour-Fayette (TX)	6,341	8,600	.37	5.42	124.5	21.42	—	—	—	—	—	—
Madison Gas & Electric Co	—	—	—	—	—	—	**114**	**11,301**	**1.87**	**9.10**	**144.1**	**32.56**
Blount (WI)	—	—	—	—	—	—	114	11,301	1.87	9.10	144.1	32.56
Manitowoc Public Utilities	—	—	—	—	—	—	**126**	**12,920**	**.89**	**7.44**	**170.2**	**43.98**
Manitowoc (WI)	—	—	—	—	—	—	126	12,920	.89	7.44	170.2	43.98
Marquette City of	**139**	**8,997**	**.47**	**6.64**	**181.8**	**32.72**	**10**	**9,195**	**.33**	**3.85**	**124.8**	**22.95**
Shiras (MI)	139	8,997	.47	6.64	181.8	32.72	10	9,195	.33	3.85	124.8	22.95
Metropolitan Edison Co	**15**	**12,941**	**2.31**	**7.87**	**134.7**	**34.86**	**1,017**	**13,049**	**1.66**	**7.90**	**152.2**	**39.71**
Portland (PA)	15	12,941	2.31	7.87	134.7	34.86	520	13,010	1.75	8.39	149.9	39.02
Titus (PA)	—	—	—	—	—	—	496	13,089	1.56	7.38	154.4	40.43
Michigan South Central Pwr Agy	**122**	**11,935**	**3.45**	**8.89**	**164.0**	**39.16**	—	—	—	—	—	—
Project I (MI)	122	11,935	3.45	8.89	164.0	39.16	—	—	—	—	—	—
Midwest Power	**4,348**	**8,408**	**.37**	**4.97**	**82.6**	**13.90**	**3,972**	**8,683**	**.35**	**5.21**	**78.3**	**13.60**
Council Bluffs (IA)	1,602	8,247	.37	4.68	91.6	15.11	1,380	8,252	.36	4.93	67.3	11.11
George Neal 1-4 (IA)	2,746	8,502	.37	5.14	77.5	13.19	2,593	8,912	.35	5.35	83.7	14.92
Minnesota Power & Light Co	**3,912**	**8,894**	**.62**	**7.54**	**108.2**	**19.26**	**79**	**9,360**	**.88**	**10.28**	**105.9**	**19.82**
Laskin Energy Center (MN)	119	8,805	.69	8.12	111.2	19.58	42	9,875	1.09	11.39	107.3	21.20
Boswell Energy Center (MN)	3,792	8,897	.62	7.52	108.1	19.24	37	8,783	.65	9.05	104.0	18.28
Minnkota Power Coop Inc	**4,283**	**6,727**	**.96**	**8.63**	**54.2**	**7.29**	—	—	—	—	—	—
Young (ND)	4,283	6,727	.96	8.63	54.2	7.29	—	—	—	—	—	—
Mississippi Power Co	**3,065**	**10,919**	**1.04**	**7.56**	**144.5**	**31.56**	**374**	**12,044**	**1.29**	**8.11**	**146.5**	**35.30**
Watson (MS)	800	12,634	2.73	8.98	128.6	32.50	355	11,999	1.32	8.14	144.1	34.58
Daniel (MS)	2,264	10,312	.44	7.05	151.4	31.23	18	12,917	.68	7.51	189.8	49.03

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, 1994 (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)
Monongahela Power Co	**7,151**	**12,852**	**2.50**	**9.45**	**143.7**	**36.93**	**4,313**	**12,478**	**3.13**	**10.63**	**96.0**	**23.97**
Albright (WV)	—	—	—	—	—	—	521	12,555	1.52	11.62	105.9	26.60
Ft Martin (WV)	2,366	12,638	1.75	10.78	148.3	37.47	120	12,269	.84	11.45	130.8	32.10
Harrison (WV)	3,918	13,097	3.00	7.97	144.4	37.83	789	13,081	3.05	8.80	98.4	25.74
Rivesville (WV)	—	—	—	—	—	—	129	12,301	.96	12.19	124.1	30.54
Willow Island (WV)	237	12,228	1.54	13.72	117.9	28.84	137	12,872	1.40	8.88	114.4	29.44
Pleasants (WV)	630	12,365	2.54	12.02	130.6	32.29	2,617	12,279	3.77	10.95	89.3	21.92
Montana-Dakota Utilities Co	**2,777**	**6,908**	**1.08**	**8.03**	**85.6**	**11.82**	—	—	—	—	—	—
Heskett (ND)	436	6,990	.97	8.41	106.9	14.95	—	—	—	—	—	—
Lewis and Clark (MT)	241	6,631	.46	8.01	99.9	13.24	—	—	—	—	—	—
Coyote (ND)	2,100	6,923	1.17	7.95	79.5	11.01	—	—	—	—	—	—
Montana Power Co	**9,950**	**8,545**	**.67**	**9.13**	**68.8**	**11.76**	**119**	**8,551**	**.33**	**4.90**	**64.2**	**10.98**
Corette (MT)	571	8,687	.66	8.20	73.7	12.81	119	8,551	.33	4.90	64.2	10.98
Colstrip (MT)	9,379	8,536	.67	9.18	68.5	11.70	—	—	—	—	—	—
Montaup Electric Co	—	—	—	—	—	—	**233**	**12,836**	**.71**	**8.45**	**182.2**	**46.78**
Somerset (MA)	—	—	—	—	—	—	233	12,836	.71	8.45	182.2	46.78
Muscatine City of	**679**	**8,718**	**1.00**	**6.94**	**78.5**	**13.68**	**99**	**11,012**	**3.02**	**9.36**	**107.5**	**23.68**
Muscatine (IA)	679	8,718	1.00	6.94	78.5	13.68	99	11,012	3.02	9.36	107.5	23.68
Nebraska Public Power District	**4,215**	**8,763**	**.32**	**5.24**	**82.4**	**14.44**	**434**	**9,193**	**.38**	**5.81**	**86.4**	**15.89**
Sheldon (NE)	566	8,771	.34	5.30	83.7	14.68	160	9,218	.37	5.47	91.8	16.92
Gerald Gentleman (NE)	3,649	8,762	.32	5.23	82.2	14.40	274	9,178	.38	6.00	83.3	15.29
Nevada Power Co	**1,420**	**11,828**	**.50**	**9.05**	**165.2**	**39.08**	**170**	**11,405**	**.39**	**8.19**	**118.6**	**27.05**
Gardner (NV)	1,420	11,828	.50	9.05	165.2	39.08	170	11,405	.39	8.19	118.6	27.05
New England Power Co	**2,731**	**12,814**	**.87**	**7.66**	**167.1**	**42.83**	**818**	**12,682**	**.95**	**8.80**	**167.3**	**42.44**
Brayton (MA)	2,001	12,880	.95	8.01	169.1	43.56	818	12,682	.95	8.80	167.3	42.44
Salem Harbor (MA)	730	12,632	.65	6.69	161.6	40.84	—	—	—	—	—	—
New York State Elec & Gas Corp	**2,149**	**13,104**	**2.06**	**7.06**	**129.2**	**33.85**	**1,228**	**12,292**	**1.87**	**11.49**	**133.9**	**32.91**
Goudey (NY)	60	12,955	1.48	7.24	134.6	34.86	172	13,174	1.96	6.86	136.6	36.00
Greenidge (NY)	39	13,015	1.59	6.99	136.0	35.39	219	12,966	1.96	7.84	136.8	35.49
Hickling (NY)	—	—	—	—	—	—	274	10,662	.99	20.50	130.8	27.89
Jennison (NY)	—	—	—	—	—	—	139	11,285	1.12	17.03	152.4	34.40
Milliken (NY)	409	12,984	1.68	7.06	130.0	33.76	250	13,078	1.97	7.23	130.5	34.14
Kintigh (NY)	1,641	13,141	2.18	7.05	128.6	33.80	174	12,816	3.51	8.17	123.1	31.56
Niagara Mohawk Power Corp	**338**	**13,180**	**1.86**	**6.86**	**145.3**	**38.29**	**2,350**	**13,059**	**1.90**	**7.60**	**137.4**	**35.89**
Huntley (NY)	257	13,167	1.65	6.57	152.2	40.09	1,197	13,070	1.68	7.26	141.1	36.87
Dunkirk (NY)	80	13,223	2.52	7.81	123.0	32.54	1,153	13,047	2.14	7.94	133.6	34.86
Northern Indiana Pub Serv Co	**4,812**	**10,558**	**1.50**	**7.83**	**151.8**	**32.05**	**2,196**	**10,576**	**1.53**	**7.41**	**124.8**	**26.39**
Bailly (IN)	566	10,861	2.94	10.19	140.0	30.40	749	11,404	3.04	9.64	124.8	28.46
Mitchell (IN)	493	9,798	.35	6.51	131.9	25.84	514	10,412	.43	5.94	133.3	27.75
Michigan City (IN)	806	11,163	.58	6.21	186.2	41.56	585	8,881	.32	5.17	104.5	18.55
Rollin Schahfer (IN)	2,946	10,461	1.66	8.03	147.3	30.81	348	11,890	1.95	8.59	139.3	33.12
Northern States Power Co	**10,517**	**8,761**	**.45**	**6.77**	**118.5**	**20.76**	**2,838**	**8,739**	**.28**	**5.03**	**100.3**	**17.53**
Black Dog (MN)	842	8,872	.25	4.91	103.0	18.27	140	8,789	.21	4.75	92.4	16.23
High Bridge (MN)	410	8,770	.21	4.49	120.5	21.14	312	8,711	.29	5.02	107.1	18.67
King (MN)	1,411	8,828	.36	6.16	103.0	18.19	338	8,849	.22	4.53	91.8	16.24
Riverside (MN)	690	8,755	.21	4.53	114.1	19.98	399	8,729	.20	4.54	96.5	16.85
Sherburne County (MN)	7,163	8,735	.52	7.46	123.7	21.61	1,649	8,720	.31	5.28	102.3	17.85
Ohio Edison Co	**4,034**	**12,195**	**1.73**	**10.96**	**126.2**	**30.77**	**3,419**	**11,963**	**1.68**	**11.14**	**117.5**	**28.10**
Niles (OH)	134	12,106	2.78	11.50	117.4	28.42	402	11,854	2.90	11.20	116.0	27.51
Burger (OH)	490	12,179	3.11	11.21	108.8	26.50	513	12,305	3.94	10.20	90.5	22.28
Sammis (OH)	3,410	12,201	1.49	10.90	129.0	31.48	2,504	11,911	1.03	11.32	123.4	29.39

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1994 (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)
Ohio Power Co	**11,222**	**11,748**	**2.94**	**11.83**	**182.3**	**42.83**	**1,718**	**12,227**	**2.43**	**12.56**	**99.7**	**24.38**
Muskingum (OH)	2,109	11,634	4.05	11.95	263.7	61.37	100	12,174	.77	11.31	138.0	33.60
Tidd (OH)	114	12,056	3.22	12.47	135.2	32.61	3	11,028	1.45	8.80	176.0	38.82
Kammer (WV)	1,077	12,253	3.98	12.02	119.4	29.27	545	12,147	4.10	12.83	83.2	20.22
Mitchell (WV)	2,546	12,189	1.25	13.86	151.4	36.91	848	12,249	1.06	13.17	106.6	26.11
Gavin (OH)	5,376	11,475	3.10	10.77	180.0	41.30	220	12,384	4.33	10.17	95.2	23.58
Ohio Valley Electric Corp	**2,074**	**12,484**	**3.13**	**10.15**	**133.6**	**33.35**	**1,473**	**12,276**	**3.68**	**9.63**	**93.8**	**23.02**
Kyger Creek (OH)	2,074	12,484	3.13	10.15	133.6	33.35	1,473	12,276	3.68	9.63	93.8	23.02
Oklahoma Gas & Electric Co	**3,263**	**8,756**	**.33**	**5.24**	**80.4**	**14.07**	**5,338**	**8,518**	**.30**	**4.82**	**79.1**	**13.48**
Muskogee (OK)	2,525	8,757	.33	5.24	80.7	14.14	2,573	8,524	.30	4.68	79.3	13.51
Sooner (OK)	739	8,752	.32	5.25	79.2	13.86	2,765	8,513	.31	4.96	79.0	13.45
Omaha Public Power District	**1,647**	**8,303**	**.37**	**5.16**	**68.4**	**11.35**	**1,710**	**8,246**	**.38**	**4.86**	**66.6**	**10.99**
North Omaha (NE)	972	8,302	.36	5.12	68.6	11.39	559	8,307	.39	5.06	67.0	11.14
Nebraska City (NE)	675	8,304	.38	5.21	68.0	11.29	1,151	8,216	.38	4.76	66.4	10.91
Orange & Rockland Utils Inc	**340**	**12,932**	**.59**	**7.74**	**200.1**	**51.76**	**434**	**12,961**	**.58**	**7.70**	**189.5**	**49.12**
Lovett (NY)	340	12,932	.59	7.74	200.1	51.76	434	12,961	.58	7.70	189.5	49.12
Orlando Utilities Comm	**789**	**12,831**	**.93**	**8.48**	**189.0**	**48.51**	**191**	**12,622**	**1.09**	**9.07**	**172.5**	**43.55**
Stanton Energy (FL)	789	12,831	.93	8.48	189.0	48.51	191	12,622	1.09	9.07	172.5	43.55
Orrville City of	**198**	**11,565**	**3.49**	**9.96**	**100.5**	**23.24**	—	—	—	—	—	—
Orrville (OH)	198	11,565	3.49	9.96	100.5	23.24	—	—	—	—	—	—
Otter Tail Power Co	**2,317**	**6,049**	**.91**	**8.81**	**108.3**	**13.10**	**288**	**9,286**	**.32**	**3.97**	**123.1**	**22.86**
Hoot Lake (MN)	—	—	—	—	—	—	288	9,286	.32	3.97	123.1	22.86
Big Stone (SD)	2,317	6,049	.91	8.81	108.3	13.10	—	—	—	—	—	—
Owensboro City of	**866**	**11,140**	**2.75**	**9.11**	**91.9**	**20.48**	**180**	**11,374**	**2.95**	**9.42**	**101.6**	**23.11**
Smith (KY)	866	11,140	2.75	9.11	91.9	20.48	180	11,374	2.95	9.42	101.6	23.11
PacifiCorp	**26,195**	**9,456**	**.59**	**10.99**	**97.5**	**18.44**	**6,195**	**9,613**	**.47**	**7.94**	**81.6**	**15.69**
Carbon (UT)	—	—	—	—	—	—	624	11,781	.44	9.13	59.2	13.94
Centralia (WA)	4,634	7,888	.74	15.53	141.0	22.24	1,501	9,952	.35	5.49	124.5	24.78
Johnston (WY)	3,157	7,713	.47	11.23	62.2	9.60	1,309	8,382	.34	5.37	49.2	8.25
Naughton (WY)	2,784	9,812	.75	5.43	113.5	22.28	—	—	—	—	—	—
Wyodak (WY)	1,952	7,948	.54	6.99	67.4	10.72	—	—	—	—	—	—
Emery-Hunter (UT)	3,980	11,207	.50	12.34	89.8	20.13	—	—	—	—	—	—
Jim Bridger (WY)	6,241	9,423	.61	11.04	113.5	21.39	2,761	9,522	.61	10.23	77.0	14.67
Huntington (UT)	3,447	11,764	.46	9.77	65.4	15.38	—	—	—	—	—	—
Painesville City of	**110**	**12,292**	**2.86**	**7.01**	**140.8**	**34.62**	—	—	—	—	—	—
Painesville (OH)	110	12,292	2.86	7.01	140.8	34.62	—	—	—	—	—	—
Pennsylvania Electric Co	**9,054**	**12,079**	**1.84**	**15.17**	**144.9**	**34.99**	**6,074**	**12,319**	**1.89**	**13.44**	**120.6**	**29.73**
Conemaugh (PA)	2,451	12,493	2.12	13.17	126.3	31.55	1,768	12,440	2.18	13.53	113.1	28.14
Homer City (PA)	3,672	11,662	1.91	18.05	151.8	35.41	1,136	12,033	1.59	14.94	139.6	33.60
Seward (PA)	—	—	—	—	—	—	564	12,263	1.50	13.30	116.2	28.49
Shawville (PA)	25	12,461	1.60	11.90	130.1	32.42	1,285	12,305	1.85	13.30	125.7	30.93
Warren (PA)	—	—	—	—	—	—	228	12,226	1.58	11.74	135.7	33.19
Keystone (PA)	2,906	12,255	1.50	13.25	152.6	37.39	1,093	12,487	2.04	12.31	107.2	26.77
Pennsylvania Power & Light Co	**5,700**	**12,867**	**1.88**	**10.45**	**147.0**	**37.84**	**2,280**	**11,044**	**1.38**	**19.49**	**136.1**	**30.06**
Brunner Island (PA)	2,595	13,101	1.83	8.34	148.8	38.99	177	12,812	1.85	9.14	135.0	34.59
Holtwood (PA)	—	—	—	—	—	—	327	7,377	.53	36.46	114.0	16.83
Martins Creek (PA)	320	13,231	1.84	7.57	151.9	40.18	99	13,163	1.62	8.86	142.3	37.45
Montour (PA)	2,478	12,636	1.95	12.73	143.8	36.35	1,066	12,710	1.72	11.84	149.3	37.95
Sunbury (PA)	307	12,389	1.78	12.84	152.0	37.66	611	9,244	1.08	28.47	112.8	20.86

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, 1994 (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)
Pennsylvania Power Co	**5,023**	**12,047**	**3.77**	**12.00**	**166.8**	**40.19**	**613**	**12,176**	**1.61**	**10.19**	**122.4**	**29.80**
New Castle (PA)	—	—	—	—	—	—	613	12,176	1.61	10.19	122.4	29.80
Bruce Mansfield (PA)	5,023	12,047	3.77	12.00	166.8	40.19	—	—	—	—	—	—
Philadelphia Electric Co	**1,000**	**13,222**	**1.82**	**7.40**	**144.1**	**38.11**	**437**	**13,137**	**1.96**	**8.30**	**147.0**	**38.63**
Cromby (PA)	236	13,201	1.83	7.35	140.2	37.02	15	13,240	2.15	8.03	165.5	43.81
Eddystone (PA)	764	13,229	1.82	7.42	145.3	38.45	422	13,134	1.96	8.31	146.4	38.45
Plains Elec Gen&Trans Coop Inc	**927**	**9,064**	**.69**	**18.41**	**134.5**	**24.38**	—	—	—	—	—	—
Escalante (NM)	927	9,064	.69	18.41	134.5	24.38	—	—	—	—	—	—
Platte River Power Authority	**1,095**	**8,854**	**.26**	**5.21**	**71.4**	**12.64**	—	—	—	—	—	—
Rawhide (CO)	1,095	8,854	.26	5.21	71.4	12.64	—	—	—	—	—	—
Portland General Electric Co	—	—	—	—	—	—	**2,223**	**8,937**	**.37**	**5.89**	**107.3**	**19.18**
Boardman (OR)	—	—	—	—	—	—	2,223	8,937	.37	5.89	107.3	19.18
Potomac Edison Co	—	—	—	—	—	—	**129**	**12,614**	**.91**	**12.29**	**133.9**	**33.79**
Smith (MD)	—	—	—	—	—	—	129	12,614	.91	12.29	133.9	33.79
Potomac Electric Power Co	**3,811**	**12,910**	**1.43**	**10.24**	**165.7**	**42.79**	**1,465**	**12,964**	**1.23**	**9.42**	**161.8**	**41.95**
Chalk (MD)	840	12,800	1.66	11.25	170.5	43.65	393	12,848	1.43	9.90	158.1	40.63
Dickerson (MD)	894	12,748	1.41	9.98	146.4	37.33	219	12,869	1.36	9.72	143.3	36.88
Morgantown (MD)	1,626	13,019	1.50	10.34	171.8	44.74	441	13,102	1.39	9.38	160.5	42.06
Potomac River (VA)	451	13,040	.79	8.50	172.3	44.93	412	12,978	.80	8.83	176.3	45.77
Public Service Co of Colorado	**8,122**	**9,701**	**.38**	**6.95**	**102.8**	**19.95**	**846**	**11,004**	**.52**	**9.85**	**100.6**	**22.14**
Arapahoe (CO)	214	11,503	.47	9.04	119.8	27.56	519	10,994	.49	9.95	104.9	23.07
Cameo (CO)	214	11,343	.59	8.75	93.4	21.18	72	11,321	.57	9.53	65.9	14.92
Cherokee (CO)	1,848	11,099	.42	9.56	113.4	25.16	—	—	—	—	—	—
Comanche (CO)	2,087	8,539	.29	4.51	102.3	17.48	—	—	—	—	—	—
Valmont (CO)	278	11,635	.48	8.87	112.7	26.22	256	10,935	.58	9.75	101.9	22.28
Hayden (CO)	1,537	10,614	.43	9.28	95.6	20.28	—	—	—	—	—	—
Pawnee (CO)	1,945	8,242	.35	4.55	94.1	15.52	—	—	—	—	—	—
PSI Energy Inc	**9,313**	**11,012**	**2.07**	**9.68**	**145.1**	**31.95**	**6,858**	**11,100**	**1.62**	**8.17**	**123.1**	**27.33**
Cayuga (IN)	2,840	11,081	1.95	9.67	133.1	29.50	266	11,718	1.68	7.60	112.5	26.36
Edwardsport (IN)	57	10,846	2.10	10.09	121.2	26.29	149	11,280	2.36	9.08	99.4	22.41
Noblesville (IN)	—	—	—	—	—	—	145	11,394	2.47	8.90	127.6	29.09
Gallagher (IN)	162	13,118	2.35	8.11	108.3	28.42	1,356	12,041	1.82	8.72	124.5	29.98
Wabash River (IN)	550	11,137	1.95	9.30	124.9	27.81	915	11,163	1.49	8.54	118.5	26.46
Gibson Station (IN)	5,704	10,907	2.14	9.76	154.6	33.73	4,027	10,710	1.52	7.88	125.2	26.82
Public Service Co of NH	**1,195**	**13,052**	**1.54**	**6.49**	**151.9**	**39.65**	**60**	**12,636**	**1.04**	**4.55**	**157.4**	**39.78**
Merrimack (NH)	959	13,195	1.78	6.87	154.2	40.70	20	13,295	1.91	6.44	148.7	39.53
Schiller (NH)	236	12,469	.58	4.94	142.1	35.43	40	12,307	.60	3.60	162.1	39.90
Public Service Co of NM	**5,980**	**9,475**	**.87**	**23.40**	**170.5**	**32.30**	—	—	—	—	—	—
San Juan (NM)	5,980	9,475	.87	23.40	170.5	32.30	—	—	—	—	—	—
Public Service Co of Oklahoma	**1,317**	**8,612**	**.44**	**5.50**	**152.9**	**26.33**	**1,815**	**8,472**	**.35**	**5.42**	**136.9**	**23.19**
Northeastern (OK)	1,317	8,612	.44	5.50	152.9	26.33	1,815	8,472	.35	5.42	136.9	23.19
Public Service Electric&Gas Co	**1,111**	**13,690**	**.77**	**5.75**	**187.8**	**51.42**	**145**	**13,133**	**.85**	**7.67**	**198.3**	**52.08**
Hudson (NJ)	446	13,138	.74	7.34	201.0	52.82	121	13,044	.86	7.99	200.6	52.34
Mercer (NJ)	665	14,061	.79	4.68	179.5	50.49	24	13,587	.85	6.05	186.7	50.72
Richmond City of	**213**	**11,479**	**2.66**	**8.96**	**157.0**	**36.05**	**97**	**11,823**	**2.05**	**9.87**	**132.1**	**31.23**
Whitewater (IN)	213	11,479	2.66	8.96	157.0	36.05	97	11,823	2.05	9.87	132.1	31.23
Rochester Public Utilities	**88**	**12,011**	**1.29**	**6.38**	**173.7**	**41.72**	**10**	**11,915**	**1.55**	**7.75**	**173.2**	**41.27**
Silver Lake (MN)	88	12,011	1.29	6.38	173.7	41.72	10	11,915	1.55	7.75	173.2	41.27

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1994 (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)
Rochester Gas & Electric Corp	**541**	**13,214**	**2.08**	**6.64**	**134.7**	**35.59**	**3**	**12,819**	**1.67**	**7.90**	**157.4**	**40.35**
Beebee Station 3 (NY)	46	13,237	1.92	6.67	132.5	35.08	2	12,819	1.66	7.90	157.4	40.35
Russell Station 7 (NY)	495	13,212	2.10	6.63	134.9	35.64	1	12,819	1.68	7.90	157.4	40.35
Salt River Proj Ag I & P Dist	**8,980**	**10,881**	**.51**	**9.45**	**125.0**	**27.20**	**1,204**	**9,809**	**.43**	**13.87**	**123.3**	**24.18**
Navajo (AZ)	7,580	11,014	.53	9.04	103.6	22.82	—	—	—	—	—	—
Coronado (AZ)	1,400	10,165	.42	11.67	250.5	50.93	1,204	9,809	.43	13.87	123.3	24.18
San Antonio City of	**4,606**	**8,406**	**.34**	**5.42**	**112.9**	**18.98**	—	—	—	—	—	—
JT Deely/Spruce (TX)	4,606	8,406	.34	5.42	112.9	18.98	—	—	—	—	—	—
San Miguel Electric Coop Inc	**2,874**	**5,245**	**1.90**	**26.89**	**104.9**	**11.00**	—	—	—	—	—	—
San Miquel (TX)	2,874	5,245	1.90	26.89	104.9	11.00	—	—	—	—	—	—
Savannah Electric & Power Co	—	—	—	—	—	—	**300**	**12,314**	**1.17**	**9.42**	**175.4**	**43.20**
Kraft (GA)	—	—	—	—	—	—	167	12,438	1.11	9.31	174.0	43.27
McIntosh (GA)	—	—	—	—	—	—	133	12,159	1.25	9.56	177.3	43.11
Seminole Electric Coop Inc	**2,696**	**12,090**	**2.95**	**7.97**	**190.2**	**46.00**	**707**	**12,407**	**2.46**	**8.07**	**160.0**	**39.71**
Seminole (FL)	2,696	12,090	2.95	7.97	190.2	46.00	707	12,407	2.46	8.07	160.0	39.71
Sierra Pacific Power Co	**1,622**	**10,309**	**.46**	**8.01**	**198.3**	**40.88**	—	—	—	—	—	—
North Valmy (NV)	1,622	10,309	.46	8.01	198.3	40.88	—	—	—	—	—	—
Sikeston City of	**341**	**11,546**	**2.48**	**9.93**	**179.9**	**41.53**	**19**	**11,807**	**2.18**	**10.07**	**95.4**	**22.53**
Sikeston (MO)	341	11,546	2.48	9.93	179.9	41.53	19	11,807	2.18	10.07	95.4	22.53
Solid Waste Auth of Cent Ohio	**17**	**13,373**	**.70**	**7.10**	**175.2**	**46.86**	—	—	—	—	—	—
Solid Waste R F (OH)	17	13,373	.70	7.10	175.2	46.86	—	—	—	—	—	—
South Carolina Electric&Gas Co	**4,422**	**12,891**	**1.17**	**8.84**	**158.5**	**40.86**	**826**	**12,704**	**1.31**	**9.69**	**153.6**	**39.04**
Canadys (SC)	835	12,797	1.37	9.21	159.4	40.80	121	12,831	1.41	9.26	154.2	39.57
Mcmeekin (SC)	521	12,963	1.13	9.06	153.5	39.81	134	12,541	1.23	10.08	149.0	37.36
Urguhart (SC)	465	12,920	1.28	8.95	157.2	40.61	81	12,661	1.44	10.51	149.4	37.82
Wateree (SC)	1,307	12,888	1.31	9.42	155.3	40.03	350	12,700	1.46	10.22	154.0	39.10
Williams (SC)	1,294	12,914	.89	7.88	163.6	42.25	139	12,785	.87	7.89	159.3	40.72
South Carolina Pub Serv Auth	**4,589**	**12,718**	**1.23**	**8.66**	**153.1**	**38.95**	**812**	**12,531**	**1.28**	**9.31**	**145.1**	**36.37**
Cross (SC)	1,494	12,494	1.15	9.45	162.5	40.60	242	13,168	1.01	6.28	144.1	37.94
Grainger (SC)	117	12,872	1.59	7.38	165.8	42.68	169	12,306	1.53	10.45	163.2	40.17
Jefferies (SC)	587	13,013	1.54	7.09	141.9	36.92	71	12,322	1.30	10.55	127.8	31.50
Winyah (SC)	2,391	12,777	1.18	8.62	149.6	38.24	331	12,226	1.34	10.68	140.4	34.33
South Mississippi El Pwr Assn	**861**	**12,393**	**.86**	**8.95**	**200.9**	**49.81**	—	—	—	—	—	—
R D Morrow (MS)	861	12,393	.86	8.95	200.9	49.81	—	—	—	—	—	—
Southern California Edison Co	**4,415**	**11,475**	**.51**	**10.36**	**118.9**	**27.28**	—	—	—	—	—	—
Mohave (NV)	4,415	11,475	.51	10.36	118.9	27.28	—	—	—	—	—	—
Southern Illinois Power Coop	**427**	**11,242**	**2.98**	**14.53**	**104.0**	**23.38**	**197**	**8,304**	**2.11**	**26.29**	**51.4**	**8.54**
Marion (IL)	427	11,242	2.98	14.53	104.0	23.38	197	8,304	2.11	26.29	51.4	8.54
Southern Indiana Gas & Elec Co	**1,413**	**11,611**	**3.63**	**7.85**	**153.2**	**35.58**	**1,379**	**11,204**	**2.50**	**9.01**	**120.8**	**27.08**
Culley (IN)	—	—	—	—	—	—	847	11,144	2.38	9.19	126.4	28.17
A B Brown (IN)	1,413	11,611	3.63	7.85	153.2	35.58	23	10,810	3.08	10.50	112.1	24.24
Warrick (IN)	—	—	—	—	—	—	509	11,321	2.66	8.65	112.1	25.39
Southwestern Electric Power Co	**8,592**	**7,674**	**.70**	**7.75**	**165.3**	**25.37**	**1,644**	**8,428**	**.32**	**4.58**	**147.7**	**24.90**
Flint Creek (AR)	1,325	8,357	.33	4.55	163.3	27.30	357	8,289	.34	4.55	131.8	21.86
Welsh Station (TX)	3,877	8,368	.34	4.57	192.8	32.26	1,287	8,466	.32	4.58	152.0	25.74
Pirkey (TX)	3,390	6,613	1.25	12.65	126.6	16.74	—	—	—	—	—	—

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1994 (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)
Southwestern Public Service Co	**7,863**	**8,654**	**0.32**	**5.25**	**180.3**	**31.20**	**496**	**8,636**	**0.32**	**5.11**	**112.0**	**19.35**
Harrington (TX)	4,409	8,646	.33	5.36	154.9	26.79	—	—	—	—	—	—
Tolk (TX)	3,454	8,664	.32	5.09	212.6	36.83	496	8,636	.32	5.11	112.0	19.35
Springfield City of	**1,018**	**10,484**	**3.08**	**9.39**	**115.2**	**24.15**	—	—	—	—	—	—
Dallman (IL)	959	10,484	3.08	9.39	115.2	24.16	—	—	—	—	—	—
Lakeside (IL)	58	10,478	3.09	9.42	115.2	24.14	—	—	—	—	—	—
Springfield City of	**850**	**11,657**	**1.89**	**8.75**	**138.8**	**32.35**	**53**	**9,581**	**.35**	**5.76**	**111.5**	**21.37**
James River (MO)	462	11,647	1.65	8.99	141.0	32.83	10	12,211	.51	9.80	152.7	37.29
Southwest (MO)	388	11,669	2.16	8.46	136.2	31.78	43	8,970	.31	4.82	98.5	17.68
St Joseph Light & Power Co	**184**	**11,727**	**3.60**	**13.80**	**132.9**	**31.18**	**37**	**11,093**	**3.03**	**9.39**	**133.0**	**29.50**
Lakeroad (MO)	184	11,727	3.60	13.80	132.9	31.18	37	11,093	3.03	9.39	133.0	29.50
Sunflower Electric Coop Inc	**1,492**	**8,438**	**.34**	**5.20**	**106.4**	**17.96**	—	—	—	—	—	—
Holcomb (KS)	1,492	8,438	.34	5.20	106.4	17.96	—	—	—	—	—	—
Tacoma Public Utilities	—	—	—	—	—	—	**36**	**9,655**	**.45**	**6.87**	**175.1**	**33.81**
Steam No.2 (WA)	—	—	—	—	—	—	36	9,655	.45	6.87	175.1	33.81
Tampa Electric Co3	**5,381**	**12,187**	**2.10**	**7.83**	**201.5**	**49.12**	**1,799**	**11,907**	**2.20**	**7.85**	**134.0**	**31.90**
Gannon (FL)	1,244	12,773	1.13	6.99	230.1	58.78	2	13,130	.57	3.58	56.5	14.84
Davant Transfer (LA)	4,137	12,011	2.39	8.09	192.4	46.22	1,797	11,906	2.20	7.86	134.0	31.92
Tennessee Valley Authority	**23,814**	**11,857**	**2.42**	**10.71**	**124.4**	**29.50**	**15,322**	**11,942**	**1.91**	**10.29**	**120.5**	**28.79**
Colbert (AL)	1,479	11,779	1.45	10.95	127.2	29.98	1,655	11,874	1.30	11.60	127.7	30.33
Widows Creek (AL)	1,909	11,888	2.71	11.20	122.6	29.16	2,114	12,007	1.79	10.47	129.3	31.04
Paradise (KY)	4,310	10,726	4.31	17.80	111.9	24.00	2,582	11,406	3.15	11.00	99.5	22.71
Shawnee (KY)	733	12,441	.62	9.51	141.1	35.11	2,382	11,709	.95	10.65	123.4	28.91
Allen (TN)	1,082	12,421	2.05	8.36	120.4	29.92	938	12,242	2.12	8.38	124.8	30.57
Bull Run (TN)	1,216	13,002	1.29	7.58	123.5	32.12	600	12,691	1.46	9.29	119.2	30.26
Cumberland (TN)	4,590	11,524	2.80	8.13	131.4	30.29	1,141	11,998	2.69	9.17	114.9	27.58
Gallatin (TN)	1,693	12,289	2.68	7.55	126.0	30.96	720	12,350	2.50	9.56	125.6	31.02
Sevier (TN)	1,776	12,492	1.44	11.46	123.3	30.80	371	12,444	1.69	10.92	130.6	32.51
Johnsonville (TN)	2,264	11,812	1.75	9.61	129.7	30.63	1,076	11,972	1.64	10.78	126.1	30.19
Kingston (TN)	2,733	12,689	1.24	8.45	123.4	31.32	1,189	12,536	1.34	9.42	124.4	31.19
BRT Terminal (KY)	29	11,531	2.80	7.95	126.5	29.17	447	11,721	2.55	9.14	117.8	27.62
Cahokia (KY)	—	—	—	—	—	—	107	11,859	.51	8.04	123.6	29.31
Texas Municipal Power Agency	**3,631**	**4,817**	**1.59**	**20.73**	**144.9**	**13.96**	**36**	**8,499**	**.32**	**5.09**	**159.7**	**27.15**
Gibbons Creek (TX)	3,631	4,817	1.59	20.73	144.9	13.96	36	8,499	.32	5.09	159.7	27.15
Texas-New Mexico Power Co	**1,907**	**6,866**	**.96**	**15.33**	**157.5**	**21.63**	—	—	—	—	—	—
TNP One (Tx)	1,907	6,866	.96	15.33	157.5	21.63	—	—	—	—	—	—
Texas Utilities Electric Co4	**28,935**	**6,459**	**.85**	**14.77**	**100.0**	**12.92**	—	—	—	—	—	—
Big Brown (TX)	5,311	6,684	.75	15.16	95.6	12.78	—	—	—	—	—	—
Martin Lake (TX)	13,443	6,611	.98	11.60	87.2	11.52	—	—	—	—	—	—
Monticello (TX)	6,740	5,763	.49	20.85	140.0	16.14	—	—	—	—	—	—
Sandow No 4 (TX)	3,441	6,885	1.18	14.64	89.3	12.30	—	—	—	—	—	—
Toledo Edison Co	**741**	**12,828**	**1.11**	**8.31**	**201.3**	**51.65**	**470**	**13,084**	**.93**	**7.82**	**148.0**	**38.73**
Bay Shore (OH)	741	12,828	1.11	8.31	201.3	51.65	470	13,084	.93	7.82	148.0	38.73
Tri State G & T Assn Inc	**4,136**	**10,180**	**.41**	**6.23**	**115.4**	**23.50**	**712**	**10,313**	**.67**	**14.68**	**70.0**	**14.43**
Nucla (CO)	—	—	—	—	—	—	384	10,250	.86	20.54	78.8	16.15
Craig (CO)	4,136	10,180	.41	6.23	115.4	23.50	328	10,386	.44	7.83	59.9	12.43
Tucson Electric Power Co	**3,366**	**9,234**	**.67**	**17.14**	**167.3**	**30.89**	—	—	—	—	—	—
Irvington (AZ)	374	10,151	.43	11.52	207.1	42.05	—	—	—	—	—	—
Springerville (AZ)	2,992	9,119	.70	17.84	161.7	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, 1994 (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)
Union Electric Co	**11,285**	**9,950**	**1.13**	**7.18**	**117.2**	**23.32**	**686**	**9,456**	**1.29**	**7.04**	**106.6**	**20.16**
Labadie (MO)	5,865	9,841	1.07	6.73	115.2	22.68	201	11,000	3.30	11.00	124.0	27.28
Meramec (MO)	868	11,654	1.29	8.30	133.0	31.01	7	10,375	1.19	10.80	139.1	28.86
Sioux (MO)	1,387	10,146	2.12	8.68	131.1	26.60	403	8,450	.34	5.10	92.4	15.61
Rush Island (MO)	3,165	9,600	.76	7.07	109.1	20.96	75	10,633	.97	6.50	116.3	24.73
United Illuminating Co	**863**	**13,094**	**.54**	**7.38**	**177.4**	**46.45**	—	—	—	—	—	—
Bridgeport Harbor (CT)	863	13,094	.54	7.38	177.4	46.45	—	—	—	—	—	—
United Power Assn	**1,025**	**6,763**	**.64**	**8.55**	**69.2**	**9.37**	—	—	—	—	—	—
Stanton (ND)	1,025	6,763	.64	8.55	69.2	9.37	—	—	—	—	—	—
UtiliCorp United Inc	**1,116**	**10,618**	**1.00**	**7.24**	**112.6**	**23.91**	**408**	**9,751**	**.42**	**6.37**	**85.0**	**16.57**
Sibley (MO)	1,116	10,618	1.00	7.24	112.6	23.91	408	9,751	.42	6.37	85.0	16.57
Vineland City of	**24**	**13,183**	**.85**	**7.48**	**178.9**	**47.16**	—	—	—	—	—	—
H M Down (NJ)	24	13,183	.85	7.48	178.9	47.16	—	—	—	—	—	—
Virginia Electric & Power Co	**7,496**	**12,662**	**1.43**	**11.23**	**139.8**	**35.40**	**2,758**	**12,556**	**1.32**	**11.29**	**136.5**	**34.28**
Bremo Bluff (VA)	64	12,796	1.35	8.70	144.7	37.03	368	12,750	1.09	9.56	147.7	37.66
Chesterfield (VA)	2,163	12,747	1.14	8.96	142.2	36.26	969	12,731	1.14	9.23	148.5	37.81
Chesapeake Energy (VA)	902	13,002	.98	8.73	150.9	39.24	193	12,844	.92	8.76	156.2	40.13
Possum Point (VA)	362	12,906	1.04	9.77	144.8	37.37	221	12,702	.91	9.64	154.5	39.26
Yorktown (VA)	594	13,040	1.35	8.95	144.6	37.70	64	12,561	1.42	9.44	154.2	38.74
Mount Storm (WV)	3,412	12,423	1.78	13.94	133.6	33.19	943	12,208	1.76	15.11	109.3	26.68
West Penn Power Co	**4,624**	**12,801**	**2.24**	**9.87**	**149.2**	**38.19**	**241**	**12,110**	**2.03**	**12.08**	**106.0**	**25.68**
Armstrong (PA)	407	12,698	1.80	10.54	137.0	34.79	241	12,110	2.03	12.08	106.0	25.68
Hatfield (PA)	3,665	12,883	2.19	9.54	152.5	39.28	—	—	—	—	—	—
Mitchell (PA)	552	12,331	2.86	11.60	135.6	33.45	—	—	—	—	—	—
West Texas Utilities Co	**2,737**	**8,353**	**.35**	**5.11**	**146.5**	**24.48**	**301**	**8,463**	**.34**	**4.91**	**110.0**	**18.62**
Oklaunion (TX)	2,737	8,353	.35	5.11	146.5	24.48	301	8,463	.34	4.91	110.0	18.62
Western Farmers Elec Coop Inc	**1,512**	**8,465**	**.36**	**4.90**	**172.8**	**29.26**	—	—	—	—	—	—
Hugo (OK)	1,512	8,465	.36	4.90	172.8	29.26	—	—	—	—	—	—
Wisconsin Electric Power Co	**8,398**	**10,029**	**.53**	**7.21**	**119.1**	**23.88**	**1,018**	**11,058**	**.47**	**8.08**	**127.9**	**28.28**
Presque Isle (MI)	1,379	10,380	.61	7.52	166.5	34.56	244	11,981	.55	8.25	139.9	33.52
Oak Creek (WI)	1,677	12,345	.47	12.21	154.4	38.13	304	11,699	.46	10.25	139.3	32.60
Port Washington (WI)	344	13,150	1.45	6.81	141.0	37.07	—	—	—	—	—	—
Valley (WI)	492	13,165	1.52	6.62	153.5	40.42	—	—	—	—	—	—
Pleasant Prairie (WI)	4,506	8,478	.35	5.34	73.7	12.50	470	10,164	.43	6.59	111.9	22.76
Wisconsin Power & Light Co	**2,548**	**9,133**	**.84**	**7.46**	**155.7**	**28.44**	**4,472**	**9,038**	**.33**	**4.92**	**108.2**	**19.56**
Edgewater (WI)	1,339	9,272	.81	6.31	146.4	27.14	1,246	9,274	.39	5.24	113.1	20.98
Nelson Dewey (WI)	—	—	—	—	—	—	639	9,898	.37	4.19	122.9	24.33
Rock River (WI)	146	11,200	2.03	8.95	205.5	46.04	154	10,225	.50	4.89	139.7	28.58
Columbia (WI)	1,064	8,675	.71	8.72	159.4	27.66	2,432	8,617	.28	4.95	98.6	17.00
Wisconsin Public Service Corp	**1,050**	**9,769**	**.40**	**5.47**	**148.2**	**28.95**	**1,620**	**8,857**	**.25**	**4.70**	**107.6**	**19.06**
Pulliam (WI)	229	13,320	.68	6.84	179.1	47.71	692	8,912	.24	4.53	109.6	19.53
Weston (WI)	821	8,779	.32	5.09	135.1	23.71	928	8,817	.26	4.83	106.1	18.70
Wyandotte Municipal Serv Comm	**99**	**13,182**	**.96**	**6.75**	**185.9**	**49.00**	—	—	—	—	—	—
Wyandotte (MI)	99	13,182	.96	6.75	185.9	49.00	—	—	—	—	—	—
Total	**646,718**	**10,164**	**1.13**	**9.55**	**140.4**	**28.53**	**185,211**	**10,945**	**1.28**	**8.70**	**120.0**	**26.26**

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

2 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.

3 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 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.

4 Data for Texas Utilities Electric Company include lignite delivered for the Aluminium Company of America (ALCOA) portion of Unit 4 of the Sandow

Plant.

&sup &sup &sup &sup &sup &sup &sup &s

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.

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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, 1994

Electric Utility Plant (State)	Coal				Petroleum1				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	**1,472**	**144.2**	**34.94**	**1.29**	**5**	**398.7**	**21.85**	**0.05**	—	—	—	**100**	*	—
Lowman (AL)	1,472	144.2	34.94	1.29	5	398.7	21.85	.05	—	—	—	100	*	—
Alabama Power Co3	**18,531**	**184.3**	**44.82**	**1.09**	**62**	**382.7**	**22.29**	**.00**	**3,235**	**234.3**	**2.37**	**99**	*	**1**
Barry (AL)	2,012	187.0	46.01	.87	—	—	—	—	329	214.2	2.23	99	—	1
Gadsden (AL)	123	186.4	47.08	1.86	1	427.2	24.95	.00	64	272.7	2.75	98	*	2
Gorgas 2 and 3 (AL)	4,782	162.1	38.73	1.45	18	390.3	22.80	.00	—	—	—	100	*	—
Greene (AL)	1,496	141.2	34.46	1.44	6	387.7	22.61	.00	—	—	—	100	*	—
Gaston (AL)	3,941	169.5	40.85	1.42	21	372.9	21.65	.00	—	—	—	100	*	—
James Miller (AL)	6,177	219.6	54.13	.59	17	383.2	22.32	.00	2,841	235.9	2.38	98	*	2
Alexandria City of	—	—	—	—	—	—	—	—	**61**	**228.8**	**2.41**	—	—	**100**
Alexandria-Hunter (LA)	—	—	—	—	—	—	—	—	61	228.8	2.41	—	—	100
American Mun Power Ohio Inc	**766**	**90.9**	**21.00**	**4.78**	—	—	—	—	**152**	**370.2**	**3.85**	**99**	—	**1**
Gorsuch (OH)	766	90.9	21.00	4.78	—	—	—	—	152	370.2	3.85	99	—	1
Ames City of	**218**	**139.0**	**24.27**	**.20**	**7**	**380.1**	**22.60**	**.30**	—	—	—	**99**	**1**	—
Ames (IA)	218	139.0	24.27	.20	7	380.1	22.60	.30	—	—	—	99	1	—
Anchorage City of	—	—	—	—	—	—	—	—	**5,911**	**208.2**	**2.08**	—	—	**100**
George Sullivan (AK)	—	—	—	—	—	—	—	—	5,911	208.2	2.08	—	—	100
Appalachian Power Co	**11,511**	**158.4**	**39.31**	**.75**	**1562**	**435.6**	**25.43**	**.00**	—	—	—	**100**	*	—
Clinch River (VA)	1,809	128.1	31.96	.70	8	428.9	25.19	.00	—	—	—	100	*	—
Glen Lyn (VA)	699	139.0	35.82	.89	26	417.3	24.32	.00	—	—	—	99	1	—
Amos (WV)	5,640	172.7	42.66	.79	63:ehp2.	431.9	25.17	.00	—	—	—	100	*	—
Kanawha River (WV)	360	167.5	42.05	.76	4	486.1	28.11	.00	—	—	—	100	*	—
Mountaineer (WV)	3,002	153.7	37.93	.67	54:ehp2.	446.0	26.10	.00	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc	**1,322**	**130.9**	**26.37**	**.43**	—	—	—	—	**333**	**174.2**	**1.79**	**99**	—	**1**
Apache (AZ)	1,322	130.9	26.37	.43	—	—	—	—	333	174.2	1.79	99	—	1
Arizona Public Service Co	**11,964**	**129.8**	**23.64**	**.68**	**29**	**401.5**	**24.14**	**.09**	**13,790**	**224.3**	**2.29**	**94**	*	**6**
Cholla (AZ)	3,555	152.6	30.50	.43	14	497.0	28.90	.18	32	283.1	2.92	100	*	*
Ocotillo (AZ)	—	—	—	—	—	—	—	—	2,942	221.1	2.27	—	—	100
Phoenix (AZ)	—	—	—	—	15	317.9	19.71	.00	7,238	222.9	2.27	—	1	99
Saguaro (AZ)	—	—	—	—	—	—	—	—	1,768	213.8	2.21	—	—	100
Yucca (AZ)	—	—	—	—	—	—	—	—	1,276	229.5	2.35	—	—	100
Four Corners (NM)	8,409	118.8	20.74	.79	—	—	—	—	534	280.8	2.85	100	—	*
Arkansas Power & Light Co	**10,165**	**160.8**	**28.20**	**.31**	**132**	**355.5**	**20.93**	**.51**	**22,782**	**182.3**	**1.87**	**88**	*	**12**
Couch (AR)	—	—	—	—	—	—	—	—	3,631	143.0	1.61	—	—	100
Lake Catherine (AR)	—	—	—	—	42	262.2	16.34	1.00	10,740	191.9	1.93	—	2	98
Ritchie (AR)	—	—	—	—	1	243.4	15.02	.19	8,412	189.3	1.90	—	*	100
Whitebluff (AR)	5,401	178.4	31.06	.38	27	393.1	23.89	.30	—	—	—	100	*	—
Independence (AR)	4,764	141.2	24.95	.25	62	410.2	22.83	.27	—	—	—	100	*	—
Associated Electric Coop Inc	**5,187**	**107.0**	**20.78**	**1.31**	—	—	—	—	—	—	—	**100**	—	—
Madrid (MO)	3,202	115.7	23.95	1.99	—	—	—	—	—	—	—	100	—	—
Hill (MO)	1,984	90.2	15.66	.20	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co	**836**	**170.3**	**44.01**	**2.06**	**733**	**265.9**	**16.89**	**.91**	**1,549**	**266.6**	**2.77**	**78**	**17**	**6**
England (NJ)	645	167.7	43.45	2.43	563	264.8	16.82	.93	—	—	—	82	18	—
Deepwater (NJ)	191	179.2	45.88	.82	170	269.6	17.12	.85	1,549	266.6	2.77	64	14	21
Austin City of	—	—	—	—	—	—	—	—	**24,833**	**214.9**	**2.21**	—	—	**100**
Decker Creek (TX)	—	—	—	—	—	—	—	—	15,606	211.9	2.18	—	—	100
Holly (TX)	—	—	—	—	—	—	—	—	9,228	219.9	2.26	—	—	100
Baltimore Gas & Electric Co	**5,081**	**149.4**	**38.12**	**.88**	**1,446**	**247.7**	**15.74**	**.96**	**2,065**	**260.0**	**2.71**	**92**	**7**	**2**
Brandon Shores (MD)	3,481	150.3	37.85	.68	33	368.4	21.35	.18	—	—	—	100	*	—
Crane (MD)	708	148.6	39.41	1.83	5	386.0	22.36	.18	—	—	—	100	*	—
Gould St (MD)	—	—	—	—	243	249.7	15.91	.98	2	256.8	2.67	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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														
Wagner (MD)	892	146.5	38.14	0.87	1,165	243.6	15.52	0.98	1,916	259.6	2.70	71	23	6
Riverside (MD)	—	—	—	—	—	—	—	—	147	266.0	2.77	—	—	100
Basin Electric Power Coop	**15,646**	**59.6**	**8.85**	**.49**	**52**	**432.4**	**25.04**	**.34**	—	—	—	**100**	*	—
Leland Olds (ND)	3,124	71.9	9.59	.63	7	415.3	24.05	.34	—	—	—	100	*	—
Laramie River (WY)	7,420	51.3	8.48	.37	38	437.7	25.35	.34	—	—	—	100	*	—
Antelope Valley (ND)	5,102	67.1	8.93	.57	7	422.1	24.45	.34	—	—	—	100	*	—
Big Rivers Electric Corp	**4,808**	**125.4**	**28.80**	**3.07**	**34**	**394.0**	**22.84**	**.00**	**62**	**320.2**	**3.20**	**100**	*	*
Coleman (KY)	1,184	105.1	24.48	2.20	—	—	—	—	62	320.2	3.20	100	*	*
Reid-Henderson (KY)	893	119.7	29.08	2.69	33	394.5	22.87	.00	—	—	—	99	1	—
R D Green (KY)	1,470	127.0	27.02	3.78	—	—	—	—	—	—	—	100	—	—
Wilson (KY)	1,261	146.8	34.73	3.33	1	383.0	22.20	.00	—	—	—	100	*	—
Boston Edison Co	—	—	—	—	**3,934**	**242.2**	**15.31**	**.76**	**30,764**	**228.1**	**2.37**	—	**44**	**56**
Mystic (MA)	—	—	—	—	2,620	236.5	15.04	.93	9,388	230.0	2.45	—	63	37
New Boston (MA)	—	—	—	—	1,313	253.7	15.84	.43	21,376	227.3	2.34	—	27	73
Braintree City of	—	—	—	—	—	—	—	—	**796**	**212.8**	**2.19**	—	—	**100**
Potter Station (MA)	—	—	—	—	—	—	—	—	796	212.8	2.19	—	—	100
Brazos Electric Power Coop Inc	—	—	—	—	—	—	—	—	**19,542**	**198.4**	**2.04**	—	—	**100**
North Texas (TX)	—	—	—	—	—	—	—	—	876	201.4	2.15	—	—	100
Miller (TX)	—	—	—	—	—	—	—	—	18,666	198.3	2.03	—	—	100
Bryan City of	—	—	—	—	—	—	—	—	**6,401**	**190.9**	**1.97**	—	—	**100**
Bryan (TX)	—	—	—	—	—	—	—	—	1,812	199.7	2.07	—	—	100
Dansby (TX)	—	—	—	—	—	—	—	—	4,589	187.5	1.94	—	—	100
Burbank City of	—	—	—	—	—	—	—	—	**2,780**	**291.0**	**2.99**	—	—	**100**
Magnolia-Olive (CA)	—	—	—	—	—	—	—	—	2,780	291.0	2.99	—	—	100
Burlington City of	—	—	—	—	**8**	**453.5**	**25.87**	**.08**	**167**	**231.5**	**2.31**	**85**	**3**	**12**
J C McNeil (VT)	—	—	—	—	8	453.5	25.87	.08	167	231.5	2.31	85	3	12
Cajun Electric Power Coop Inc	**5,795**	**152.8**	**25.97**	**.35**	**49**	**365.1**	**21.47**	**.00**	**3,675**	**194.5**	**2.02**	**96**	*	**4**
Big Cajun No.1 (LA)	—	—	—	—	—	—	—	—	3,675	194.5	2.02	—	—	100
Big Cajun No.2 (LA)	5,795	152.8	25.97	.35	49	365.1	21.47	.00	—	—	—	100	*	—
Cambridge Electric Light Co	—	—	—	—	**215**	**278.5**	**17.29**	**.48**	**802**	**233.0**	**2.33**	—	**62**	**38**
Kendall Square (MA)	—	—	—	—	215	278.5	17.29	.48	802	233.0	2.33	—	62	38
Canal Electric Co	—	—	—	—	**6,991**	**222.9**	**14.15**	**1.48**	—	—	—	—	**100**	—
Canal (MA)	—	—	—	—	6,991	222.9	14.15	1.48	—	—	—	—	100	—
Cardinal Operating Co	**4,261**	**160.1**	**38.80**	**2.15**	**44**	**377.9**	**21.95**	**.00**	—	—	—	**100**	*	—
Cardinal (OH)	4,261	160.1	38.80	2.15	44	377.9	21.95	.00	—	—	—	100	*	—
Carolina Power & Light Co	**9,748**	**173.6**	**43.25**	**.92**	**116**	**390.6**	**22.64**	**.20**	—	—	—	**100**	*	—
Asheville (NC)	968	128.0	32.84	1.19	6	378.9	21.96	.20	—	—	—	100	*	—
Cape Fear (NC)	549	186.1	47.43	1.07	1	305.9	17.73	.20	—	—	—	100	*	—
Lee (NC)	357	196.1	50.14	1.05	1	385.1	22.32	.20	—	—	—	100	*	—
Roxboro (NC)	5,367	175.6	43.63	.88	60	389.8	22.60	.20	—	—	—	100	*	—
Sutton (NC)	572	162.3	40.82	1.03	4	398.2	23.08	.20	—	—	—	100	*	—
Weatherspoon (NC)	119	169.7	43.12	1.02	1	419.5	24.31	.20	—	—	—	100	*	—
Robinson (SC)	299	180.1	45.77	1.17	3	423.7	24.56	.20	—	—	—	100	*	—
Mayo (NC)	1,518	190.6	45.87	.66	41	391.3	22.68	.20	—	—	—	99	1	—
Cedar Falls City of	**42**	**139.8**	**31.80**	**2.60**	—	—	—	—	**55**	**191.1**	**1.91**	**95**	—	**5**
Streeter (IA)	42	139.8	31.80	2.60	—	—	—	—	55	191.1	1.91	95	—	5
Central Electric Pwr Coop-MO	**146**	**128.4**	**27.85**	**2.98**	—	—	—	—	—	—	—	**100**	—	—
Chamois (MO)	146	128.4	27.85	2.98	—	—	—	—	—	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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 Hudson Gas & Elec Corp	**768**	**190.8**	**49.93**	**0.62**	**2,288**	**237.4**	**15.03**	**1.06**	**11,561**	**229.6**	**2.34**	**43**	**31**	**25**
Danskammer (NY)	768	190.8	49.93	.62	8	290.2	18.00	.61	835	230.8	2.35	96	*	4
Roseton (NY)	—	—	—	—	2,281	237.2	15.02	1.07	10,726	229.5	2.34	—	57	43
Central Illinois Light Co	**2,582**	**165.1**	**38.67**	**2.12**	**17**	**423.0**	**24.62**	**.07**	—	—	—	**100**	*****	—
Edwards (IL)	1,474	155.8	39.30	1.11	12	423.0	24.59	.05	—	—	—	100	*	—
Duck Creek (IL)	1,108	179.7	37.83	3.46	5	423.0	24.69	.13	—	—	—	100	*	—
Central Illinois Pub Serv Co	**5,567**	**157.4**	**34.43**	**1.79**	**67**	**414.8**	**24.01**	**.13**	—	—	—	**100**	*****	—
Coffeen (IL)	2,188	151.7	31.47	1.69	13	430.0	24.81	.05	—	—	—	100	*	—
Grand Tower (IL)	227	168.2	38.84	2.86	6	401.2	23.25	.17	—	—	—	99	1	—
Hutsonville (IL)	161	118.6	26.22	2.26	8	411.2	23.68	.22	—	—	—	99	1	—
Meredosia (IL)	462	156.2	35.76	2.86	10	415.4	24.09	.19	—	—	—	99	1	—
Newton (IL)	2,528	163.6	36.88	1.56	28	411.6	23.87	.12	—	—	—	100	*	—
Central Iowa Power Coop	**189**	**113.8**	**25.59**	**2.88**	**15**	**408.1**	**23.82**	**.03**	**8**	**321.3**	**3.28**	**98**	**2**	*****
Summit Lake (IA)	—	—	—	—	15	408.1	23.82	.03	*	313.6	3.14	—	100	*
Fair Station (IA)	189	113.8	25.59	2.88	—	—	—	—	8	321.4	3.28	100	—	*
Central Louisiana Elec Co Inc	**5,353**	**153.8**	**23.12**	**.70**	—	—	—	—	**29,567**	**212.3**	**2.23**	**72**	—	**28**
Dolet Hills (LA)	3,467	135.7	18.70	.84	—	—	—	—	87	227.8	2.33	100	—	*
Coughlin (LA)	—	—	—	—	—	—	—	—	5,789	219.5	2.33	—	—	100
Teche (LA)	—	—	—	—	—	—	—	—	12,048	212.3	2.20	—	—	100
Rodemacher (LA)	1,886	180.3	31.25	.45	—	—	—	—	11,643	208.7	2.20	73	—	27
Central Maine Power Co	—	—	—	—	**964**	**213.8**	**13.49**	**1.23**	—	—	—	—	**100**	—
Wyman (ME)	—	—	—	—	964	213.8	13.49	1.23	—	—	—	—	100	—
Central Nebraska Pub P&I Dist	—	—	—	—	—	—	—	—	**1,221**	**196.9**	**1.97**	—	—	**100**
Canaday (NE)	—	—	—	—	—	—	—	—	1,221	196.9	1.97	—	—	100
Central Operating Co	**1,139**	**144.5**	**35.84**	**1.29**	**50**	**538.9**	**30.99**	**.00**	—	—	—	**99**	**1**	—
Sporn (WV)	1,139	144.5	35.84	1.29	50	538.9	30.99	.00	—	—	—	99	1	—
Central Power & Light Co	**1,818**	**195.0**	**42.35**	**.42**	**7**	**370.4**	**21.52**	**.50**	**103,134**	**198.2**	**2.05**	**27**	*****	**73**
Joslin (TX)	—	—	—	—	—	—	—	—	6,785	197.0	2.04	—	—	100
Bates (TX)	—	—	—	—	—	—	—	—	8,238	187.6	1.93	—	—	100
Laredo (TX)	—	—	—	—	—	—	—	—	8,005	253.1	2.64	—	—	100
Hill (TX)	—	—	—	—	—	—	—	—	15,473	195.7	2.02	—	—	100
Nueces Bay (TX)	—	—	—	—	—	—	—	—	21,816	201.3	2.09	—	—	100
La Palma (TX)	—	—	—	—	—	—	—	—	8,497	184.1	1.92	—	—	100
Victoria (TX)	—	—	—	—	—	—	—	—	5,134	193.6	2.01	—	—	100
Davis (TX)	—	—	—	—	—	—	—	—	29,185	190.2	1.95	—	—	100
Coleto Creek (TX)	1,818	195.0	42.35	.42	7	370.4	21.52	.50	—	—	—	100	*	—
Chugach Electric Assn Inc	—	—	—	—	—	—	—	—	**13,989**	**72.6**	**.72**	—	—	**100**
Beluga (AK)	—	—	—	—	—	—	—	—	13,989	72.6	.72	—	—	100
Cincinnati Gas & Electric Co	**8,778**	**129.7**	**31.43**	**2.27**	**107**	**389.6**	**22.48**	**.21**	—	—	—	**100**	*****	—
Beckjord (OH)	1,438	159.4	37.97	1.18	29	393.0	22.88	.22	—	—	—	100	*	—
Miami Fort (OH)	2,384	147.4	36.13	1.37	30	397.3	22.83	.14	—	—	—	100	*	—
East Bend (KY)	1,458	137.2	33.21	1.98	10	406.9	23.37	.28	—	—	—	100	*	—
Zimmer (OH)	3,498	102.5	24.81	3.45	39	377.0	21.70	.24	—	—	—	100	*	—
Cleveland Electric Illum Co	**4,464**	**132.5**	**34.29**	**2.37**	**91**	**403.0**	**23.42**	**.25**	—	—	—	**100**	*****	—
Ashtabula (OH)	818	140.0	35.27	4.18	19	399.6	23.19	.23	—	—	—	99	1	—
Avon Lake (OH)	1,342	134.4	34.93	1.15	26	410.3	23.79	.28	—	—	—	100	*	—
Eastlake (OH)	2,196	126.9	33.02	2.54	35	400.1	23.27	.21	—	—	—	100	*	—
Lake Shore (OH)	108	167.9	44.85	.62	11	401.2	23.39	.31	—	—	—	98	2	—
Coffeyville City of	—	—	—	—	—	—	—	—	**524**	**244.2**	**2.44**	—	—	**100**
Coffeyville (KS)	—	—	—	—	—	—	—	—	524	244.2	2.44	—	—	100
Colorado Springs City of	**1,330**	**136.9**	**29.41**	**.40**	—	—	—	—	**209**	**351.5**	**3.48**	**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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Colorado Springs City of														
Drake (CO)	748	156.0	33.00	0.40	—	—	—	—	61	348.7	3.46	100	—	*
Birdsall (CO)	—	—	—	—	—	—	—	—	148	352.7	3.49	—	—	100
Nixon (CO)	582	113.1	24.80	.41	—	—	—	—	—	—	—	100	—	—
Columbia City of	**51**	**210.7**	**57.21**	**.87**	—	—	—	—	—	—	—	**100**	—	—
Columbia (MO)	51	210.7	57.21	.87	—	—	—	—	—	—	—	100	—	—
Columbus Southern Power Co	**4,002**	**141.6**	**33.32**	**3.16**	**18**	**402.9**	**23.67**	**0.00**	—	—	—	**100**	*	—
Conesville (OH)	3,702	144.7	34.15	3.14	17	403.5	23.70	.00	—	—	—	100	*	—
Picway (OH)	300	101.5	23.11	3.44	1	393.4	23.26	.00	—	—	—	100	*	—
Commonwealth Edison Co	**13,644**	**209.9**	**38.94**	**.70**	**2,447**	**274.8**	**17.39**	**.62**	**33,6182**	**198.8**	**2.02**	**84**	**5**	**11**
Crawford (IL)	1,032	276.2	49.07	.31	5	375.0	21.97	.20	261:ehp2.	430.9	4.41	98	*	1
Joliet (IL)	3,110	216.3	40.68	.35	15	338.6	19.84	.22	—	—	—	100	*	—
Kincaid (IL)	1,649	108.1	23.14	3.39	—	—	—	—	123	304.6	3.05	100	—	*
Powerton (IL)	2,062	208.5	37.39	.30	—	—	—	—	215	421.2	4.24	99	—	1
Waukegan (IL)	2,013	205.8	36.02	.42	44	372.9	21.75	.20	—	—	—	99	1	—
Will County (IL)	2,377	239.4	42.91	.28	191	379.5	22.18	.20	—	—	—	97	3	—
Fisk (IL)	444	251.7	45.54	.32	1	356.1	20.82	.21	59	280.6	2.84	99	*	1
State Line (IN)	957	243.6	46.10	.36	—	—	—	—	24	400.0	4.08	100	—	*
Collins (IL)	—	—	—	—	2,190	264.0	16.86	.67	26,718	193.9	1.97	—	34	66
Joliet Storage (IL)	—	—	—	—	—	—	—	—	3,014	198.0	2.01	—	—	100
Waukegan Storage (IL)	—	—	—	—	—	—	—	—	653	206.8	2.10	—	—	100
Fisk Storage (IL)	—	—	—	—	—	—	—	—	1,935	191.3	1.96	—	—	100
State Line Storage (IN)	—	—	—	—	—	—	—	—	616	219.3	2.24	—	—	100
Connecticut Light & Power Co	—	—	—	—	**3,642**	**251.2**	**15.93**	**.71**	**7,5032**	**193.9**	**1.97**	**6@FSYM4 0 5 25**		
Devon (CT)	—	—	—	—	351	246.9	15.64	.82	6,840	184.1	1.87	—	24	76
Montville (CT)	—	—	—	—	506	256.7	16.43	.83	664:ehp2.	293.6	3.01	—	83	17
Norwalk Harbor (CT)	—	—	—	—	1,640	242.5	15.44	.82	—	—	—	—	100	—
Middletown (CT)	—	—	—	—	1,145	262.7	16.49	.47	—	—	—	—	100	—
Consolidated Edison Co-NY Inc	—	—	—	—	**7,453**	**265.0**	**16.45**	**.26**	**72,344**	**216.2**	**2.24**	—	**38**	**62**
Arthur Kill (NY)	—	—	—	—	—	—	—	—	7,954	215.1	2.23	—	—	100
East River (NY)	—	—	—	—	1,099	265.0	16.48	.26	4,738	213.4	2.21	—	58	42
Ravenswood (NY)	—	—	—	—	—	—	—	—	25,062	213.1	2.21	—	—	100
Waterside (NY)	—	—	—	—	—	—	—	—	5,392	224.5	2.32	—	—	100
Astoria (NY)	—	—	—	—	1,085	265.7	16.47	.26	29,197	218.1	2.26	—	18	82
Storage Facility #6	—	—	—	—	1,333	252.1	15.67	.26	—	—	—	—	100	—
Storage Facility #5	—	—	—	—	1,706	264.4	16.44	.26	—	—	—	—	100	—
Storage Facility #4	—	—	—	—	1,373	277.3	17.15	.24	—	—	—	—	100	—
Storage Facility #3	—	—	—	—	857	266.3	16.54	.26	—	—	—	—	100	—
Consumers Power Co	**7,375**	**154.5**	**35.92**	**.74**	**795**	**278.6**	**17.59**	**.86**	**950**	**225.0**	**2.25**	**97**	**3**	**1**
Cobb (MI)	984	145.2	30.24	.61	2	376.1	21.80	.50	—	—	—	100	*	—
Karn-Weadock (MI)	1,048	153.6	37.70	.85	733	270.7	17.21	.89	950	225.0	2.25	82	15	3
Campbell (MI)	3,361	162.6	38.89	.72	19	373.7	21.66	.50	—	—	—	100	*	—
Weadock (MI)	1,138	140.6	29.82	.70	34	381.1	22.09	.50	—	—	—	99	1	—
Whiting (MI)	844	149.1	36.78	.88	7	401.4	23.27	.50	—	—	—	100	*	—
Coop Power Assn	**7,296**	**77.2**	**9.71**	**.70**	**2**	**258.5**	**15.96**	**2.50**	—	—	—	**100**	*	—
Coal Creek (ND)	7,296	77.2	9.71	.70	2	258.5	15.96	2.50	—	—	—	100	*	—
Dairyland Power Coop	**1,918**	**136.7**	**26.24**	**.69**	**22**	**406.0**	**23.87**	**.50**	—	—	—	**100**	*	—
Alma-Madgett (WI)	1,362	141.4	25.33	.49	5	392.8	23.10	.50	—	—	—	100	*	—
Genoa No.3 (WI)	556	127.4	28.46	1.16	17	410.3	24.13	.50	—	—	—	99	1	—
Stoneman (WI)	—	—	—	—	*	386.8	22.75	.50	—	—	—	—	100	—
Dayton Power & Light Co	**7,900**	**137.8**	**32.57**	**1.10**	**174**	**406.1**	**23.54**	**.18**	**319**	**462.6**	**4.72**	**99**	**1**	*
Hutchings (OH)	182	134.9	32.90	.87	—	—	—	—	319	462.6	4.72	93	—	7
Stuart (OH)	6,556	135.8	31.83	1.19	31	404.1	23.41	.18	—	—	—	100	*	—
Killen (OH)	1,162	148.9	36.70	.64	68	376.7	21.85	.20	—	—	—	99	1	—
Storage Facility #1	—	—	—	—	75	433.5	25.11	.17	—	—	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Delmarva Power & Light Co	**2,284**	**162.0**	**41.98**	**0.92**	**3,668**	**246.5**	**15.54**	**1.12**	**16,050**	**230.6**	**2.39**	**60**	**23**	**17**
Edgemoor (DE)	675	158.8	41.44	.78	2,460	242.4	15.34	.89	3,254	194.6	2.02	48	43	9
Indian River (DE)	1,608	163.4	42.21	.98	92	381.4	22.58	.19	—	—	—	99	1	—
Vienna (MD)	—	—	—	—	1,015	225.9	14.34	1.88	—	—	—	—	100	—
Hay Road (DE)	—	—	—	—	100	464.2	26.13	.02	12,796	239.7	2.49	—	4	96
Denton City of	—	—	—	—	**1**	**551.3**	**32.34**	**.00**	**3,017**	**188.5**	**1.98**	—	*	**100**
Spencer (TX)	—	—	—	—	1	551.3	32.34	.00	3,017	188.5	1.98	—	*	100
Deseret Generation & Tran Coop	**1,514**	**217.6**	**46.26**	**.47**	**2**	**558.0**	**32.34**	**.00**	—	—	—	**100**	*	—
Bonanza (UT)	1,514	217.6	46.26	.47	2	558.0	32.34	.00	—	—	—	100	*	—
Detroit City of	—	—	—	—	**302**	**288.8**	**17.48**	**.65**	**2,554**	**263.6**	**2.71**	—	**41**	**59**
Mistersky (MI)	—	—	—	—	302	288.8	17.48	.65	2,554	263.6	2.71	—	41	59
Detroit Edison Co	**21,037**	**146.5**	**31.13**	**.63**	**460**	**324.6**	**19.40**	**.49**	**13,681**	**225.3**	**.55**	**99**	**1**	**1**
Harbor Beach (MI)	79	160.9	42.51	.77	7	376.1	21.68	.24	—	—	—	98	2	—
Marysville (MI)	100	164.0	43.09	.82	—	—	—	—	200	353.8	3.60	93	—	7
Monroe (MI)	8,980	143.7	32.52	.81	57	371.6	21.53	.26	—	—	—	100	*	—
River Rouge (MI)	1,271	154.0	35.41	.60	—	—	—	—	11,878	156.6	.20	95	—	5
St Clair (MI)	5,209	143.2	27.82	.51	101	358.2	21.16	.40	178	347.0	3.55	99	1	*
Trenton Channel (MI)	1,494	155.7	35.87	.62	20	369.5	21.39	.24	—	—	—	100	*	—
Belle River (MI)	3,904	150.5	28.63	.38	16	351.5	20.39	.26	—	—	—	100	*	—
Greenwood (MI)	—	—	—	—	259	295.7	17.96	.62	1,425	263.7	2.67	—	52	48
Dover City of	—	—	—	—	**298**	**302.9**	**19.02**	**.95**	**1,346**	**277.6**	**2.88**	—	**57**	**43**
Mckee Run (DE)	—	—	—	—	298	302.9	19.02	.95	1,346	277.6	2.88	—	57	43
Duke Power Co	**12,121**	**164.3**	**40.74**	**.98**	**129**	**377.2**	**21.93**	**.30**	—	—	—	**100**	*	—
Allen (NC)	1,201	177.9	44.34	1.10	33	378.5	22.06	.30	—	—	—	99	1	—
Buck (NC)	221	156.8	39.17	.91	—	—	—	—	—	—	—	100	—	—
Cliffside (NC)	877	158.0	40.05	.91	20	372.6	21.60	.30	—	—	—	99	1	—
Dan River (NC)	198	155.4	38.51	.86	—	—	—	—	—	—	—	100	—	—
Marshall (NC)	4,136	165.9	41.28	.99	28	373.9	21.73	.30	—	—	—	100	*	—
Riverbend (NC)	425	171.8	42.68	1.10	—	—	—	—	—	—	—	100	—	—
Lee (SC)	241	177.5	45.13	1.04	27	390.2	22.71	.30	—	—	—	97	3	—
Belews Creek (NC)	4,822	160.0	39.27	.96	21	367.0	21.29	.30	—	—	—	100	*	—
Duquesne Light Co	**2,751**	**133.8**	**34.03**	**1.81**	**43**	**393.3**	**22.84**	**1.86**	**183**	**369.5**	**3.84**	**99**	*	*
Brunot Is (PA)	—	—	—	—	21	385.0	22.47	3.69	—	—	—	—	100	—
Elrama (PA)	1,098	156.5	38.84	1.97	22	401.3	23.19	.12	—	—	—	100	*	—
Cheswick (PA)	1,653	119.3	30.83	1.70	—	—	—	—	183	369.5	3.84	100	—	*
East Kentucky Power Coop Inc	**3,416**	**118.1**	**29.13**	**1.07**	**16**	**394.9**	**22.99**	**.16**	—	—	—	**100**	*	—
Cooper (KY)	794	121.2	29.80	1.46	7	395.8	23.04	.20	—	—	—	100	*	—
Dale (KY)	370	118.9	29.27	.84	3	393.7	22.92	.12	—	—	—	100	*	—
Spurlock (KY)	2,252	116.9	28.86	.97	6	394.5	22.96	.12	—	—	—	100	*	—
El Paso Electric Co	—	—	—	—	—	—	—	—	**28,816**	**191.4**	**1.96**	—	—	**100**
Rio Grande (TX)	—	—	—	—	—	—	—	—	11,036	191.1	1.96	—	—	100
Newman (TX)	—	—	—	—	—	—	—	—	17,780	191.5	1.96	—	—	100
Electric Energy Inc	**4,138**	**89.8**	**16.88**	**.74**	**28**	**449.4**	**25.84**	**.26**	—	—	—	**100**	*	—
Joppa (IL)	4,138	89.8	16.88	.74	28	449.4	25.84	.26	—	—	—	100	*	—
Empire District Electric Co	**1,137**	**103.2**	**19.16**	**.72**	**7**	**395.6**	**23.17**	**.00**	**373**	**187.6**	**1.88**	**98**	*	**2**
Riverton (KS)	289	114.4	22.47	1.05	5	400.5	23.46	.00	373	187.6	1.88	93	*	6
Asbury (MO)	848	99.1	18.04	.60	2	386.4	22.63	.00	—	—	—	100	*	—
Fayetteville Public Works Comm	—	—	—	—	**56**	**389.8**	**22.67**	**.03**	**548**	**325.7**	**3.38**	—	**36**	**64**
Butler Warner (NC)	—	—	—	—	56	389.8	22.67	.03	548	325.7	3.38	—	36	64
Florida Power & Light Co	—	—	—	—	**39,128**	**226.8**	**14.42**	**1.39**	**126,183**	**204.5**	**2.05**	—	**66**	**34**
Cape Canaveral (FL)	—	—	—	—	5,317	225.9	14.32	1.75	3,027	190.8	1.91	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Florida Power & Light Co														
Cutler (FL)	—	—	—	—	—	—	—	—	2,087	206.8	2.07	—	—	100
Fort Myers (FL)	—	—	—	—	3,824	224.6	14.22	1.78	—	—	—	—	100	—
Lauderdale (FL)	—	—	—	—	—	—	—	—	47,529	203.9	2.04	—	—	100
Port Everglades (FL)	—	—	—	—	6,880	226.2	14.37	.98	3,802	197.1	1.97	—	92	8
Riviera (FL)	—	—	—	—	4,032	198.7	12.72	2.14	300	222.3	2.22	—	99	1
Sanford (FL)	—	—	—	—	5,083	231.6	14.66	2.03	135	203.6	2.04	—	100	*
Turkey Point (FL)	—	—	—	—	4,159	238.2	15.18	.99	4,047	214.2	2.14	—	87	13
Manatee (FL)	—	—	—	—	7,354	226.5	14.44	.95	—	—	—	—	100	—
Martin (FL)	—	—	—	—	2,479	250.8	15.94	.68	45,707	203.7	2.04	—	26	74
Putnam (FL)	—	—	—	—	—	—	—	—	19,549	209.0	2.09	—	—	100
Florida Power Corp4	**5,254**	**180.5**	**45.31**	**0.82**	**7,372**	**226.5**	**14.44**	**1.60**	**1,648**	**282.4**	**2.89**	**73**	**26**	**1**
Crystal River (FL)	3,834	182.3	45.80	.84	104	396.5	23.19	.13	—	—	—	99	1	—
Bartow (FL)	—	—	—	—	970	229.0	14.83	2.16	—	—	—	—	100	—
Suwannee (FL)	—	—	—	—	278	272.6	17.30	2.17	1,648	282.4	2.89	—	51	49
Anclote (FL)	—	—	—	—	57	387.1	22.64	.13	—	—	—	—	100	—
IMT Transfer (LA)	1,420	175.8	43.97	.77	—	—	—	—	—	—	—	100	—	—
Storage Facility # 1	—	—	—	—	5,964	219.9	14.01	1.52	—	—	—	—	100	—
Fort Pierre City of	—	—	—	—	**1**	**409.1**	**23.82**	**.05**	**2,375**	**241.8**	**2.51**	—	*	**100**
H D King (FL)	—	—	—	—	1	409.1	23.82	.05	2,375	241.8	2.51	—	*	100
Fremont City of	**241**	**82.1**	**13.90**	**.31**	—	—	—	—	**168**	**182.7**	**1.83**	**93**	**3**	**4**
Wright (NE)	241	82.1	13.90	.31	—	—	—	—	168	182.7	1.83	93	3	4
Gainesville Regional Utilities	**555**	**173.2**	**45.59**	**.60**	**4**	**282.9**	**18.00**	**1.59**	**3,056**	**248.2**	**2.58**	**82**	*	**18**
Deerhaven (FL)	555	173.2	45.59	.60	3	273.1	17.40	1.63	2,055	248.1	2.58	87	*	13
Jr Kelly (FL)	—	—	—	—	1	313.9	19.87	1.46	1,001	248.3	2.58	—	1	99
Garland City of	—	—	—	—	—	—	—	—	**13,593**	**191.7**	**1.97**	—	—	**100**
Newman (TX)	—	—	—	—	—	—	—	—	311	189.6	1.95	—	—	100
Olinger (TX)	—	—	—	—	—	—	—	—	13,282	191.7	1.97	—	—	100
Georgia Power Co	**28,461**	**169.0**	**39.78**	**1.05**	**215**	**395.2**	**22.99**	**.50**	**493**	**360.2**	**3.69**	**100**	*	*
Arkwright (GA)	110	197.1	50.56	1.38	*	397.5	23.12	.50	99	377.2	3.86	96	*	3
Atkinson-Mcdonough (GA)	1,180	136.0	34.44	.91	—	—	—	—	394	356.0	3.65	99	—	1
Bowen (GA)	8,988	160.5	39.82	1.12	27	409.0	23.79	.50	—	—	—	100	*	—
Hammond (GA)	703	174.8	44.08	1.26	23	383.5	22.31	.50	—	—	—	99	1	—
Harllee Branch (GA)	2,974	174.0	43.34	1.30	11	391.0	22.74	.50	—	—	—	100	*	—
Mcmanus (GA)	—	—	—	—	41	411.4	23.93	.50	—	—	—	—	100	—
Mitchell (GA)	89	196.2	50.05	1.27	41	391.3	22.76	.50	—	—	—	90	10	—
Yates (GA)	1,007	177.6	43.97	1.66	24	393.8	22.91	.50	—	—	—	99	1	—
Wansley (GA)	4,138	177.2	42.50	1.83	18	394.1	22.92	.50	—	—	—	100	*	—
Scherer (GA)	9,271	175.3	37.06	.49	29	378.3	22.01	.50	—	—	—	100	*	—
Glendale City of	—	—	—	—	—	—	—	—	**2,287**	**305.4**	**3.15**	—	—	**100**
Glendale (CA)	—	—	—	—	—	—	—	—	2,287	305.4	3.15	—	—	100
Grand Haven City of	**167**	**154.2**	**34.66**	**2.42**	—	—	—	—	**17**	**402.5**	**4.03**	**100**	—	*
J B Simms (MI)	167	154.2	34.66	2.42	—	—	—	—	17	402.5	4.03	100	—	*
Grand Island City of	**362**	**68.8**	**11.53**	**.34**	—	—	—	—	**330**	**166.8**	**1.65**	**95**	—	**5**
Platte (NE)	362	68.8	11.53	.34	—	—	—	—	—	—	—	100	—	—
Burdick (NE)	—	—	—	—	—	—	—	—	330	166.8	1.65	—	—	100
Grand River Dam Authority	**3,945**	**91.5**	**15.68**	**.41**	—	—	—	—	**398**	**224.6**	**2.26**	**99**	—	**1**
GRDA No 1 (OK)	3,945	91.5	15.68	.41	—	—	—	—	398	224.6	2.26	99	—	1
Greenville City of	—	—	—	—	—	—	—	—	**721**	**196.8**	**2.06**	—	—	**100**
Power Lane (TX)	—	—	—	—	—	—	—	—	721	196.8	2.06	—	—	100
Gulf Power Co	**2,849**	**176.8**	**42.40**	**1.79**	**20**	**381.5**	**22.20**	**.45**	**427**	**216.2**	**2.16**	**99**	*	**1**
Crist (FL)	1,904	179.8	43.02	1.95	12	372.9	21.70	.45	427	216.2	2.16	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Gulf Power Co														
Scholtz (FL)	67	168.7	40.03	3.09	1	389.6	22.66	0.32	—	—	—	100	*	—
Smith (FL)	877	171.1	41.23	1.36	8	394.0	22.92	.45	—	—	—	100	*	—
Gulf States Utilities Co	**2,260**	**157.0**	**27.22**	**.45**	—	—	—	—	**200,131**	**208.9**	**2.17**	**16**	—	**84**
Nelson (LA)	2,260	157.0	27.22	.45	—	—	—	—	16,321	193.9	2.04	69	—	31
Willow Glen (LA)	—	—	—	—	—	—	—	—	59,099	206.3	2.16	—	—	100
Lewis Creek (TX)	—	—	—	—	—	—	—	—	20,040	195.1	2.04	—	—	100
Sabine (TX)	—	—	—	—	—	—	—	—	98,566	216.1	2.24	—	—	100
Spindletop Storage (TX)	—	—	—	—	—	—	—	—	6,105	207.1	2.14	—	—	100
Hamilton City of	**140**	**156.4**	**39.14**	**.74**	*****	**397.8**	**22.89**	**.21**	**88**	**400.7**	**4.12**	**97**	*****	**3**
Hamilton (OH)	140	156.4	39.14	.74	*	397.8	22.89	.21	88	400.7	4.12	97	*	3
Hastings City of	**286**	**79.0**	**13.58**	**.29**	—	—	—	—	—	—	—	**100**	—	—
Hastings (NE)	286	79.0	13.58	.29	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc	—	—	—	—	**7,096**	**271.2**	**17.05**	**.43**	—	—	—	—	**100**	—
Honolulu (HI)	—	—	—	—	204	260.9	16.31	.41	—	—	—	—	100	—
Kahe (HI)	—	—	—	—	1,187	291.5	18.43	.43	—	—	—	—	100	—
Waiau (HI)	—	—	—	—	1,173	264.4	16.55	.40	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	4,532	268.1	16.85	.44	—	—	—	—	100	—
Holland City of	**154**	**184.0**	**47.66**	**.86**	—	—	—	—	—	—	—	**100**	—	—
James De Young (MI)	154	184.0	47.66	.86	—	—	—	—	—	—	—	100	—	—
Holyoke Water Power Co	**345**	**164.4**	**43.13**	**1.33**	**6**	**387.6**	**22.65**	**.27**	—	—	—	**100**	*****	—
Mount Tom (MA)	345	164.4	43.13	1.33	6	387.6	22.65	.27	—	—	—	100	*	—
Hoosier Energy R E C Inc	**2,999**	**127.7**	**28.26**	**3.31**	**13**	**379.5**	**21.66**	**.20**	—	—	—	**100**	*****	—
Frank E Ratts (IN)	580	137.0	30.61	2.54	3	377.6	21.88	.20	—	—	—	100	*	—
Merom (IN)	2,419	125.4	27.70	3.50	10	380.0	21.60	.20	—	—	—	100	*	—
Houston Lighting & Power Co	**19,111**	**146.7**	**22.42**	**.70**	**75**	**213.2**	**13.53**	**.00**	**219,6902**	**190.8**	**1.95**	**56**	*****	**43**
Limestone (TX)	8,628	89.5	11.66	1.10	—	—	—	—	1,364	189.9	1.94	99	—	1
Cedar Bayou (TX)	—	—	—	—	—	—	—	—	65,636	186.9	1.92	—	—	100
Deepwater (TX)	—	—	—	—	—	—	—	—	1,424	215.5	2.22	—	—	100
Green Bayou (TX)	—	—	—	—	—	—	—	—	8,586	186.3	1.91	—	—	100
Robinson (TX)	—	—	—	—	—	—	—	—	75,543	189.6	1.95	—	—	100
Bertron (TX)	—	—	—	—	75	213.2	13.53	.00	9,328	198.3	2.04	—	5	95
Wharton (TX)	—	—	—	—	—	—	—	—	16,743:ehp2.s.	203.5	2.07	—	—	100
Parish (TX)	10,483	182.6	31.27	.37	—	—	—	—	22,166	188.0	1.91	89	—	11
Webster (TX)	—	—	—	—	—	—	—	—	3,071	196.2	2.01	—	—	100
Storage Facility #2	—	—	—	—	—	—	—	—	15,828	198.4	2.01	—	—	100
IES Utilities Co	**4,178**	**100.4**	**17.29**	**.49**	**24**	**421.5**	**24.50**	**.01**	**720**	**272.9**	**2.73**	**99**	*****	**1**
6th St (IA)	24	140.8	32.06	2.16	2	394.6	23.11	.00	174	331.3	3.31	75	2	24
Praire Creek (IA)	816	111.4	20.51	.77	2	401.5	23.36	.00	17	285.6	2.86	100	*	*
Sutherland (IA)	368	73.7	12.71	.43	12	435.3	25.32	.00	530	253.3	2.53	93	1	6
Burlington (IA)	551	90.8	15.67	.63	3	446.6	25.86	.04	—	—	—	100	*	—
Ottumwa (IA)	2,419	102.3	17.11	.36	4	384.4	22.26	.04	—	—	—	100	*	—
Illinois Power Co	**6,320**	**135.8**	**30.38**	**2.43**	**48**	**386.3**	**22.72**	**.40**	**4172**	**276.5**	**3.66**	**99**	*****	*****
Baldwin (IL)	4,201	132.7	28.93	2.93	11	412.5	23.88	.24	—	—	—	100	*	—
Havana (IL)	521	138.6	33.96	.63	26	376.6	22.44	.50	51	183.5	6.39	97	1	1
Hennepin (IL)	499	151.6	33.16	2.73	—	—	—	—	132:ehp2.inus.	437.6	4.47	99	—	1
Vermilion (IL)	309	129.1	27.83	2.32	4	413.4	23.95	.30	—	—	—	100	*	—
Wood River (IL)	790	142.4	35.02	.82	7	368.6	21.36	.30	234	255.2	2.60	99	*	1
Imperial Irrigation District	—	—	—	—	—	—	—	—	**3,262**	**265.8**	**2.70**	—	—	**100**
El Centro (CA)	—	—	—	—	—	—	—	—	3,262	265.8	2.70	—	—	100
Independence City of	**96**	**143.7**	**31.67**	**2.82**	**2**	**481.9**	**28.15**	**.16**	**137**	**226.3**	**2.26**	**93**	**1**	**6**
Blue Valley (MO)	96	143.7	31.67	2.82	2	481.9	28.15	.16	137	226.3	2.26	93	1	6

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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Indiana-Kentucky Electric Corp	**4,228**	**101.4**	**22.81**	**3.10**	**2**	**514.9**	**29.79**	**0.28**	—	—	—	**100**	*	—
Clifty Creek (IN)	4,228	101.4	22.81	3.10	2	514.9	29.79	.28	—	—	—	100	*	—
Indiana Michigan Power Co	**12,723**	**113.0**	**20.41**	**.47**	**68**	**332.8**	**19.38**	**.00**	—	—	—	**100**	*	—
Breed (IN)	—	—	—	—	2	397.8	22.84	.00	—	—	—	—	100	—
Tanners Creek (IN)	1,734	138.0	33.85	1.48	18	272.1	16.01	.00	—	—	—	100	*	—
Rockport (IN)	10,989	107.3	18.29	.31	47	353.9	20.53	.00	—	—	—	100	*	—
Indianapolis Power & Light Co	**6,351**	**108.2**	**24.24**	**2.30**	**80**	**417.0**	**24.11**	**.12**	—	—	—	**100**	*	—
Stout (IN)	1,399	115.1	26.06	1.94	44	405.8	23.44	.03	—	—	—	99	1	—
Pritchard (IN)	331	115.9	26.52	1.23	15	396.4	22.91	.08	—	—	—	99	1	—
Petersburg (IN)	4,621	105.5	23.53	2.49	21	454.3	26.31	.32	—	—	—	100	*	—
Interstate Power Co	**1,198**	**185.8**	**37.75**	**1.23**	**16**	**399.5**	**23.45**	**.00**	**2,767**	**210.3**	**2.10**	**89**	*	**10**
Dubuque (IA)	99	206.4	45.57	3.08	*	392.2	23.06	.00	31	315.3	3.15	99	*	1
Lansing (IA)	558	232.8	40.13	.51	14	396.1	23.25	.00	—	—	—	99	1	—
Kapp (IA)	503	145.4	33.82	1.64	—	—	—	—	38	294.5	3.00	100	—	*
Fox Lake (MN)	37	155.9	34.25	1.50	2	428.0	25.17	.00	2,699	207.9	2.08	23	*	77
Iowa-Illinois Gas&Electric Co	**2,119**	**110.3**	**19.86**	**.70**	—	—	—	—	**397**	**326.5**	**3.33**	**99**	—	**1**
Riverside (IA)	398	104.7	24.61	2.26	—	—	—	—	233	368.4	3.76	98	—	2
Louisa (IA)	1,721	112.1	18.77	.34	—	—	—	—	164	266.9	2.72	99	—	1
Jacksonville Electric Auth	**3,734**	**155.2**	**37.85**	**.88**	**3,740**	**208.2**	**13.23**	**1.61**	**4,082**	**244.5**	**2.56**	**76**	**20**	**4**
St Johns River (FL)	3,734	155.2	37.85	.88	31	396.8	23.16	.35	—	—	—	100	*	—
Kennedy (FL)	—	—	—	—	25	203.7	12.99	.96	198	222.9	2.33	—	44	56
Northside (FL)	—	—	—	—	3,463	205.7	13.07	1.67	2,915	248.9	2.61	—	88	12
Southside (FL)	—	—	—	—	220	223.9	14.30	.97	968	235.6	2.46	—	58	42
Jamestown City of	**93**	**135.6**	**34.30**	**1.89**	—	—	—	—	—	—	—	**100**	—	—
Samuel A Carlson (NY)	93	135.6	34.30	1.89	—	—	—	—	—	—	—	100	—	—
Jersey Central Power&Light Co	—	—	—	—	**832**	**321.6**	**19.71**	**.38**	**5,257**	**246.3**	**2.55**	—	**48**	**52**
Werner (NJ)	—	—	—	—	112	316.8	19.68	.29	—	—	—	—	100	—
Sayreville (NJ)	—	—	—	—	221	314.1	19.62	.29	1,629	265.8	2.76	—	45	55
Gilbert (NJ)	—	—	—	—	499	326.2	19.76	.44	3,628	237.5	2.45	—	45	55
Kansas City City of	**1,435**	**115.0**	**21.50**	**.71**	**17**	**388.6**	**22.52**	**.50**	**269**	**261.5**	**2.68**	**99**	*	**1**
Kaw (KS)	176	129.7	27.31	.42	*	383.2	22.21	.50	146	269.5	2.76	96	*	4
Quindaro (KS)	419	157.8	34.46	1.54	9	391.9	22.72	.50	123	252.0	2.58	98	1	1
Nearman (KS)	841	83.2	13.83	.36	8	385.2	22.32	.50	—	—	—	100	*	—
Kansas City Power & Light Co	**11,355**	**84.4**	**14.68**	**.47**	**60**	**388.8**	**22.63**	**.16**	**375**	**213.3**	**2.13**	**100**	*	*
La Cygne (KS)	5,413	82.0	14.29	.64	49	389.9	22.69	.15	—	—	—	100	*	—
Hawthorne (MO)	1,366	93.5	16.64	.24	—	—	—	—	375	213.3	2.13	98	—	2
Montrose (MO)	1,743	88.3	14.91	.33	4	387.3	22.50	.18	—	—	—	100	*	—
Iatan (MO)	2,833	81.9	14.33	.33	7	382.4	22.25	.20	—	—	—	100	*	—
Storage Facility # 1	—	—	—	—	*	379.0	22.02	.16	—	—	—	—	100	—
Kansas Gas & Electric Co	—	—	—	—	**3**	**157.9**	**10.08**	**1.00**	**11,743**	**191.1**	**1.86**	—	*	**100**
Evans (KS)	—	—	—	—	—	—	—	—	7,654	184.2	1.78	—	—	100
Gill (KS)	—	—	—	—	3	157.9	10.08	1.00	4,090	203.7	2.01	—	*	100
Kansas Power & Light Co	**9,024**	**111.6**	**19.24**	**.37**	**24**	**449.3**	**26.12**	**.00**	**1,7592**	**277.4**	**2.78**	**99**	*	**1**
Hutchinson (KS)	—	—	—	—	—	—	—	—	1,283	242.5	2.45	—	—	100
Lawrence (KS)	840	115.1	25.59	.42	—	—	—	—	413	326.2	3.23	98	—	2
Tecumseh (KS)	350	115.4	25.66	.43	—	—	—	—	63:ehp2.minus.	678.1	6.76	99	—	1
Jeffrey Energy Cnt (KS)	7,834	110.9	18.27	.36	24	449.3	26.12	.00	—	—	—	100	*	—
Kentucky Power Co	**2,449**	**107.1**	**25.92**	**1.26**	**38**	**398.5**	**23.10**	**.00**	—	—	—	**100**	*	—
Big Sandy (KY)	2,449	107.1	25.92	1.26	38	398.5	23.10	.00	—	—	—	100	*	—
Kentucky Utilities Co	**6,631**	**119.2**	**28.90**	**1.30**	**106**	**472.6**	**27.79**	**.33**	—	—	—	**100**	*	—
Brown (KY)	1,522	116.3	27.92	1.60	67	469.5	27.61	.29	—	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Kentucky Utilities Co														
Ghent (KY)	4,649	121.2	29.55	1.12	30	476.2	28.00	0.40	—	—	—	100	*	—
Green River (KY)	413	105.7	24.94	2.25	3	481.4	28.31	.40	—	—	—	100	*	—
Tyrone (KY)	47	130.0	31.88	1.00	6	484.0	28.46	.40	—	—	—	97	3	—
Lafayette City of	—	—	—	—	—	—	—	—	**4,496**	**193.2**	**2.06**	—	—	**100**
Bonin (LA)	—	—	—	—	—	—	—	—	4,496	193.2	2.06	—	—	100
Lake Worth City of	—	—	—	—	**1**	**455.3**	**26.67**	**.04**	**1,900**	**241.6**	**2.51**	—	*	**100**
Tom G Smith (FL)	—	—	—	—	1	455.3	26.67	.04	1,900	241.6	2.51	—	*	100
Lakeland City of	**992**	**173.4**	**44.87**	**1.12**	**132**	**303.7**	**18.93**	**1.28**	**4,475**	**248.5**	**2.58**	**82**	**3**	**15**
Larsen Mem (FL)	—	—	—	—	—	—	—	—	3,213	248.2	2.58	—	—	100
Plant 3-Mcintosh (FL)	992	173.4	44.87	1.12	132	303.7	18.93	1.28	1,262	249.1	2.58	92	3	5
Lansing City of	**709**	**173.0**	**43.57**	**.87**	**12**	**424.8**	**24.55**	**.30**	—	—	—	**100**	*	—
Eckert (MI)	369	172.4	43.25	.87	9	426.0	24.61	.30	—	—	—	99	1	—
Erickson (MI)	340	173.6	43.91	.87	3	420.8	24.37	.31	—	—	—	100	*	—
Long Island Lighting Co	—	—	—	—	**7,293**	**248.5**	**15.80**	**.90**	**42,299**	**207.9**	**2.13**	—	**52**	**48**
Barrett (NY)	—	—	—	—	240	280.8	17.64	.33	15,967	215.4	2.23	—	8	92
Far Rockaway (NY)	—	—	—	—	—	—	—	—	3,510	188.4	1.95	—	—	100
Glenwood (NY)	—	—	—	—	—	—	—	—	6,207	222.2	2.28	—	—	100
Northport (NY)	—	—	—	—	4,812	251.7	16.02	.90	16,615	199.4	2.02	—	65	35
Port Jefferson (NY)	—	—	—	—	2,242	238.0	15.12	.95	—	—	—	—	100	—
Los Angeles City of	**4,688**	**145.1**	**34.15**	**.46**	—	—	—	—	**61,727**	**295.5**	**3.01**	**64**	—	**36**
Harbor (CA)	—	—	—	—	—	—	—	—	3,169	289.1	2.95	—	—	100
Haynes (CA)	—	—	—	—	—	—	—	—	38,016	294.0	2.97	—	—	100
Scattergood (CA)	—	—	—	—	—	—	—	—	18,615	297.1	3.08	—	—	100
Valley (CA)	—	—	—	—	—	—	—	—	1,927	317.5	3.28	—	—	100
Intermountain (UT)	4,688	145.1	34.15	.46	—	—	—	—	—	—	—	100	—	—
Louisiana Power & Light Co	—	—	—	—	**153**	**243.5**	**15.37**	**.85**	**110,351**	**212.2**	**2.22**	—	**1**	**99**
Little Gypsy (LA)	—	—	—	—	6	474.3	28.94	.26	31,421	214.9	2.24	—	*	100
Nine Mile (LA)	—	—	—	—	16	474.4	29.12	.17	51,166	209.1	2.20	—	*	100
Sterlington (LA)	—	—	—	—	8	477.0	27.53	.23	3,349	195.2	2.09	—	1	99
Waterford (LA)	—	—	—	—	124	192.3	12.26	1.00	24,414	217.6	2.24	—	3	97
Louisville Gas & Electric Co	**5,904**	**110.2**	**25.35**	**3.07**	**38**	**485.2**	**28.53**	**.32**	**344**	**281.4**	**2.88**	**100**	*	*
Cane Run (KY)	1,187	116.2	26.77	3.05	1	530.3	31.18	.41	115	284.0	2.91	100	*	*
Mill Creek (KY)	3,224	112.4	25.99	3.09	31	483.6	28.44	.30	230	280.0	2.87	99	*	*
Trimble County (KY)	1,493	100.6	22.85	3.04	6	487.8	28.68	.39	—	—	—	100	*	—
Lower Colorado River Authority	**6,341**	**124.5**	**21.42**	**.37**	**16**	**376.1**	**22.27**	**.00**	**28,514**	**187.0**	**1.94**	**79**	*	**21**
Gideon (TX)	—	—	—	—	—	—	—	—	14,921	185.7	1.92	—	—	100
T C Ferguson (TX)	—	—	—	—	—	—	—	—	13,593	188.5	1.96	—	—	100
S Seymour-Fayette (TX)	6,341	124.5	21.42	.37	16	376.1	22.27	.00	—	—	—	100	*	—
Lubbock City of	—	—	—	—	—	—	—	—	**4,939**	**231.2**	**2.34**	—	—	**100**
Holly Ave (TX)	—	—	—	—	—	—	—	—	4,821	232.5	2.35	—	—	100
Plant 2 (TX)	—	—	—	—	—	—	—	—	118	177.1	1.81	—	—	100
Madison Gas & Electric Co	**114**	**144.1**	**32.56**	**1.87**	—	—	—	—	**531**	**226.5**	**2.28**	**83**	—	**17**
Blount (WI)	114	144.1	32.56	1.87	—	—	—	—	531	226.5	2.28	83	—	17
Manitowoc Public Utilities	**126**	**170.2**	**43.98**	**.89**	—	—	—	—	—	—	—	**100**	—	—
Manitowoc (WI)	126	170.2	43.98	.89	—	—	—	—	—	—	—	100	—	—
Marquette City of	**149**	**177.9**	**32.07**	**.47**	**1**	**437.9**	**25.38**	**.00**	—	—	—	**100**	*	—
Shiras (MI)	149	177.9	32.07	.47	1	437.9	25.38	.00	—	—	—	100	*	—
Massachusetts Mun Wholes El Co	—	—	—	—	—	—	—	—	**1,375**	**231.8**	**2.37**	—	—	**100**
Stonybrook (MA)	—	—	—	—	—	—	—	—	1,375	231.8	2.37	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Medina Electric Coop Inc	—	—	—	—	—	—	—	—	**598**	**213.0**	**2.29**	—	—	**100**
Pearsall (TX)	—	—	—	—	—	—	—	—	598	213.0	2.29	—	—	100
Metropolitan Edison Co	**1,032**	**151.9**	**39.64**	**1.67**	**93**	**418.7**	**23.92**	**0.30**	—	—	—	**98**	**2**	—
Portland (PA)	536	149.5	38.90	1.77	81	415.9	23.76	.30	—	—	—	97	3	—
Titus (PA)	496	154.4	40.43	1.56	12	437.3	24.98	.30	—	—	—	99	1	—
Michigan South Central Pwr Agy	**122**	**164.0**	**39.16**	**3.45**	**2**	**358.2**	**21.21**	**.30**	—	—	—	**99**	**1**	—
Project I (MI)	122	164.0	39.16	3.45	2	358.2	21.21	.30	—	—	—	99	1	—
Midwest Power	**8,320**	**80.5**	**13.75**	**.36**	**45**	**371.6**	**21.23**	**.00**	**3152**	**428.7**	**4.29**	**100**	*	*
Council Bluffs (IA)	2,982	80.4	13.26	.37	41	367.8	21.01	.00	44	319.6	3.20	99	*	*
George Neal 1-4 (IA)	5,339	80.6	14.03	.36	5	404.9	23.13	.00	271:ehp2.	446.6	4.47	100	*	*
Minnesota Power & Light Co	**3,991**	**108.2**	**19.27**	**.63**	**26**	**427.5**	**24.60**	**.20**	—	—	—	**100**	*	—
Laskin Energy Center (MN)	161	110.1	20.00	.79	4	471.5	27.13	.20	—	—	—	99	1	—
Boswell Energy Center (MN)	3,830	108.1	19.24	.62	23	419.7	24.15	.20	—	—	—	100	*	—
Minnkota Power Coop Inc	**4,283**	**54.2**	**7.29**	**.96**	**38**	**405.1**	**23.82**	**.40**	—	—	—	**100**	*	—
Young (ND)	4,283	54.2	7.29	.96	38	405.1	23.82	.40	—	—	—	100	*	—
Mississippi Power & Light Co	—	—	—	—	**1,702**	**161.2**	**10.35**	**2.42**	**50,043**	**189.3**	**1.97**	—	**17**	**83**
Wilson (MS)	—	—	—	—	54	174.4	11.08	2.75	25,778	198.1	2.07	—	1	99
Delta (MS)	—	—	—	—	—	—	—	—	3,716	193.5	2.01	—	—	100
Brown (MS)	—	—	—	—	1	391.7	22.69	.30	4,714	210.6	2.21	—	*	100
Gerald Andrus (MS)	—	—	—	—	1,647	160.6	10.32	2.41	15,834	167.5	1.74	—	39	61
Mississippi Power Co	**3,439**	**144.8**	**31.97**	**1.07**	**28**	**335.3**	**19.79**	**.00**	**3,778**	**199.0**	**2.10**	**95**	*	**5**
Eaton (MS)	—	—	—	—	7	227.7	14.27	.00	179	212.2	2.22	—	19	81
Sweatt (MS)	—	—	—	—	—	—	—	—	300	255.7	2.59	—	—	100
Watson (MS)	1,156	133.2	33.14	2.30	12	384.1	22.18	.00	3,299	193.3	2.05	89	*	11
Daniel (MS)	2,283	151.8	31.38	.44	9	361.9	20.94	.00	—	—	—	100	*	—
Monongahela Power Co	**11,464**	**126.1**	**32.05**	**2.73**	**121**	**420.0**	**24.87**	**.29**	**3382**	**400.1**	**4.00**	**100**	*	*
Albright (WV)	521	105.9	26.60	1.52	7	428.5	25.38	.30	—	—	—	100	*	—
Ft Martin (WV)	2,486	147.4	37.22	1.71	48	428.9	25.40	.30	—	—	—	100	*	—
Harrison (WV)	4,707	136.7	35.81	3.01	3	456.3	27.02	.30	230	417.7	4.18	100	*	*
Rivesville (WV)	129	124.1	30.54	.96	5	419.3	24.83	.30	—	—	—	99	1	—
Willow Island (WV)	374	116.6	29.06	1.49	4	470.4	27.86	.30	9:ehp2.	546.4	5.46	100	*	*
Pleasants (WV)	3,247	97.3	23.94	3.53	55	406.1	24.05	.27	100	347.2	3.47	99	*	*
Montana-Dakota Utilities Co	**2,777**	**85.6**	**11.82**	**1.08**	**21**	**409.8**	**23.50**	**.30**	**52**	**383.0**	**4.21**	**100**	*	*
Heskett (ND)	436	106.9	14.95	.97	—	—	—	—	46	375.7	4.11	99	—	1
Lewis and Clark (MT)	241	99.9	13.24	.46	—	—	—	—	6	434.3	4.95	100	—	*
Coyote (ND)	2,100	79.5	11.01	1.17	21	409.8	23.50	.30	—	—	—	100	*	—
Montana Power Co	**10,069**	**68.8**	**11.75**	**.66**	**18**	**462.9**	**27.41**	**.00**	**512**	**110.7**	**1.17**	**100**	*	*
Corette (MT)	690	72.1	12.49	.60	—	—	—	—	512	110.7	1.17	96	—	4
Colstrip (MT)	9,379	68.5	11.70	.67	18	462.9	27.41	.00	—	—	—	100	*	—
Montaup Electric Co	**233**	**182.2**	**46.78**	**.71**	**157**	**239.4**	**15.03**	**.75**	—	—	—	**86**	**14**	—
Somerset (MA)	233	182.2	46.78	.71	157	239.4	15.03	.75	—	—	—	86	14	—
Morgan City City of	—	—	—	—	—	—	—	—	**463**	**193.9**	**2.02**	—	—	**100**
Morgan City (LA)	—	—	—	—	—	—	—	—	463	193.9	2.02	—	—	100
Muscatine City of	**778**	**83.0**	**14.95**	**1.26**	**2**	**399.5**	**23.24**	**.30**	**18**	**279.7**	**2.85**	**100**	*	*
Muscatine (IA)	778	83.0	14.95	1.26	2	399.5	23.24	.30	18	279.7	2.85	100	*	*
Nebraska Public Power District	**4,648**	**82.8**	**14.57**	**.33**	**4**	**431.2**	**25.02**	**.00**	**393**	**256.4**	**2.44**	**100**	*	*
Sheldon (NE)	726	85.6	15.18	.35	—	—	—	—	8	450.1	4.54	100	—	*
Gerald Gentleman (NE)	3,923	82.2	14.46	.33	4	431.2	25.02	.00	385	252.4	2.40	99	*	1
Nevada Power Co	**1,590**	**160.4**	**37.80**	**.49**	—	—	—	—	**8,311**	**207.0**	**2.13**	**81**	—	**19**

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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Nevada Power Co														
Clark (NV)	—	—	—	—	—	—	—	—	7,780	207.4	2.13	—	—	100
Gardner (NV)	1,590	160.4	37.80	0.49	—	—	—	—	—	—	—	100	—	—
Sunrise (NV)	—	—	—	—	—	—	—	—	530	200.6	2.06	—	—	100
New England Power Co	**3,549**	**167.2**	**42.74**	**.89**	**3,463**	**364.7**	**23.14**	**1.82**	**3,995**	**190.1**	**1.95**	**78**	**19**	**4**
Brayton (MA)	2,819	168.6	43.24	.95	1,281	351.6	22.29	2.07	3,422	184.6	1.89	86	10	4
Salem Harbor (MA)	730	161.6	40.84	.65	2,062	379.3	24.09	1.72	—	—	—	58	42	—
Manchester St (RI)	—	—	—	—	121	253.5	16.11	.97	572	222.5	2.29	—	57	43
New Orleans Public Service Inc	—	—	—	—	**5**	**185.0**	**11.89**	**1.44**	**25,545**	**199.6**	**2.09**	—	*	**100**
Michoud (LA)	—	—	—	—	5	185.0	11.89	1.44	25,545	199.6	2.09	—	*	100
New York State Elec & Gas Corp	**3,377**	**130.8**	**33.51**	**1.99**	**16**	**518.3**	**29.82**	**.14**	—	—	—	**100**	*	—
Goudey (NY)	232	136.1	35.70	1.84	*	551.9	31.76	.14	—	—	—	100	*	—
Greenidge (NY)	257	136.7	35.47	1.90	7	510.4	29.37	.14	—	—	—	99	1	—
Hickling (NY)	274	130.8	27.89	.99	—	—	—	—	—	—	—	100	—	—
Jennison (NY)	139	152.4	34.40	1.12	—	—	—	—	—	—	—	100	—	—
Milliken (NY)	658	130.2	33.91	1.79	3	517.9	29.80	.14	—	—	—	100	*	—
Kintigh (NY)	1,815	128.1	33.58	2.31	5	526.5	30.30	.14	—	—	—	100	*	—
Niagara Mohawk Power Corp	**2,688**	**138.4**	**36.19**	**1.90**	**1,810**	**234.7**	**14.84**	**1.03**	**6,255**	**212.4**	**2.17**	**80**	**13**	**7**
Albany (NY)	—	—	—	—	982	212.0	13.45	1.42	5,721	206.0	2.10	—	52	48
Huntley (NY)	1,454	143.1	37.44	1.67	25	459.9	26.80	.43	—	—	—	100	*	—
Dunkirk (NY)	1,233	132.9	34.71	2.17	22	446.7	25.99	.45	—	—	—	100	*	—
Oswego (NY)	—	—	—	—	781	251.1	15.90	.57	534	279.8	2.88	—	90	10
Northern Indiana Pub Serv Co	**7,009**	**143.3**	**30.28**	**1.51**	—	—	—	—	**6,542**	**268.9**	**2.75**	**96**	—	**4**
Bailly (IN)	1,315	131.1	29.30	3.00	—	—	—	—	261	408.7	4.18	99	—	1
Mitchell (IN)	1,007	132.6	26.81	.39	—	—	—	—	2,529	256.1	2.62	89	—	11
Michigan City (IN)	1,392	156.3	31.89	.47	—	—	—	—	3,034	264.0	2.70	90	—	10
Rollin Schahfer (IN)	3,294	146.3	31.05	1.69	—	—	—	—	718	283.9	2.90	99	—	1
Northern States Power Co	**13,355**	**114.6**	**20.07**	**.41**	**15**	**403.9**	**23.85**	**.40**	**527**	**220.2**	**2.26**	**100**	*	*
Black Dog (MN)	982	101.5	17.98	.25	—	—	—	—	227	250.2	2.54	99	—	1
High Bridge (MN)	722	114.8	20.07	.24	—	—	—	—	223	185.0	1.93	98	—	2
King (MN)	1,749	100.9	17.82	.33	—	—	—	—	14	182.1	1.87	100	—	*
Riverside (MN)	1,090	107.7	18.84	.21	—	—	—	—	36	235.0	2.39	100	—	*
Pathfinder (SD)	—	—	—	—	—	—	—	—	26	272.3	2.65	—	—	100
Sherburne County (MN)	8,812	119.7	20.91	.48	15	403.9	23.85	.40	—	—	—	100	*	—
Ohio Edison Co	**7,453**	**122.2**	**29.55**	**1.71**	**34**	**395.7**	**22.95**	**.21**	—	—	—	**100**	*	—
Niles (OH)	536	116.4	27.74	2.87	5	362.1	21.04	.21	—	—	—	100	*	—
Burger (OH)	1,003	99.4	24.34	3.53	4	408.1	23.64	.19	—	—	—	100	*	—
Sammis (OH)	5,914	126.6	30.59	1.29	25	400.3	23.20	.22	—	—	—	100	*	—
Ohio Power Co	**12,940**	**170.9**	**40.38**	**2.87**	**109**	**415.4**	**23.93**	**.00**	—	—	—	**100**	*	—
Muskingum (OH)	2,209	257.8	60.11	3.90	50	427.1	24.33	.00	—	—	—	99	1	—
Tidd (OH)	117	136.3	32.78	3.17	—	—	—	—	—	—	—	100	—	—
Kammer (WV)	1,623	107.3	26.23	4.02	5	463.9	27.05	.00	—	—	—	100	*	—
Mitchell (WV)	3,395	140.2	34.21	1.20	36	410.9	23.68	.00	—	—	—	100	*	—
Gavin (OH)	5,596	176.4	40.60	3.14	18	378.6	22.41	.00	—	—	—	100	*	—
Ohio Valley Electric Corp	**3,547**	**117.2**	**29.06**	**3.36**	**11**	**575.7**	**33.58**	**.37**	—	—	—	**100**	*	—
Kyger Creek (OH)	3,547	117.2	29.06	3.36	11	575.7	33.58	.37	—	—	—	100	*	—
Oklahoma Gas & Electric Co	**8,601**	**79.6**	**13.70**	**.31**	**10**	**370.3**	**21.71**	**.41**	**48,393**	**343.3**	**3.56**	**75**	*	**25**
Horseshoe Lake (OK)	—	—	—	—	—	—	—	—	11,404	350.6	3.64	—	—	100
Muskogee (OK)	5,098	80.0	13.82	.31	—	—	—	—	1,412	315.2	3.27	98	—	2
Mustang (OK)	—	—	—	—	—	—	—	—	6,425	349.6	3.63	—	—	100
Seminole (OK)	—	—	—	—	—	—	—	—	29,152	340.5	3.53	—	—	100
Sooner (OK)	3,503	79.0	13.53	.31	10	370.3	21.71	.41	—	—	—	100	*	—
Omaha Public Power District	**3,356**	**67.5**	**11.17**	**.38**	**13**	**393.4**	**22.72**	**.13**	**324**	**227.5**	**2.22**	**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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Omaha Public Power District														
North Omaha (NE)	1,531	68.0	11.30	0.37	—	—	—	—	324	227.5	2.22	99	—	1
Nebraska City (NE)	1,826	67.0	11.05	.38	13	393.4	22.72	0.13	—	—	—	100	*	—
Orange & Rockland Utils Inc	**774**	**194.2**	**50.28**	**.58**	**1,366**	**268.5**	**16.74**	**.31**	**24,653**	**235.6**	**2.44**	**37**	**16**	**47**
Bowline (NY)	—	—	—	—	1,366	268.5	16.74	.31	21,648	233.8	2.42	—	28	72
Lovett (NY)	774	194.2	50.28	.58	—	—	—	—	3,005	248.9	2.57	87	—	13
Orlando Utilities Comm	**980**	**185.9**	**47.54**	**.96**	**634**	**228.4**	**14.49**	**.98**	**9,660**	**240.1**	**2.49**	**64**	**10**	**26**
Stanton Energy (FL)	980	185.9	47.54	.96	10	338.8	20.76	.66	—	—	—	100	*	—
Indian River (FL)	—	—	—	—	625	226.7	14.40	.99	9,660	240.1	2.49	—	28	72
Orrville City of	**198**	**100.5**	**23.24**	**3.49**	—	—	—	—	—	—	—	**100**	—	—
Orrville (OH)	198	100.5	23.24	3.49	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co	**2,605**	**110.6**	**14.18**	**.85**	**3**	**431.8**	**25.39**	**.31**	—	—	—	**100**	*****	—
Hoot Lake (MN)	288	123.1	22.86	.32	3	431.8	25.39	.31	—	—	—	100	*	—
Big Stone (SD)	2,317	108.3	13.10	.91	—	—	—	—	—	—	—	100	—	—
Owensboro City of	**1,046**	**93.6**	**20.93**	**2.79**	**3**	**381.8**	**22.13**	**.38**	—	—	—	**100**	*****	—
Smith (KY)	1,046	93.6	20.93	2.79	3	381.8	22.13	.38	—	—	—	100	*	—
Pacific Gas & Electric Co	—	—	—	—	—	—	—	—	**267,280**	**229.7**	**2.36**	—	—	**100**
Contra Costa (CA)	—	—	—	—	—	—	—	—	32,507	225.9	2.34	—	—	100
Humboldt Bay (CA)	—	—	—	—	—	—	—	—	3,011	228.5	2.35	—	—	100
Hunters Point (CA)	—	—	—	—	—	—	—	—	12,505	229.7	2.33	—	—	100
Morro Bay (CA)	—	—	—	—	—	—	—	—	33,076	233.3	2.39	—	—	100
Moss Landing (CA)	—	—	—	—	—	—	—	—	87,266	232.1	2.38	—	—	100
Pittsburg (CA)	—	—	—	—	—	—	—	—	87,083	228.0	2.35	—	—	100
Potrero (CA)	—	—	—	—	—	—	—	—	11,830	225.5	2.28	—	—	100
PacifiCorp	**32,390**	**94.4**	**17.91**	**.57**	**80**	**456.4**	**26.84**	**.30**	**7,5672**	**237.3**	**2.48**	**99**	*****	**1**
Carbon (UT)	624	59.2	13.94	.44	—	—	—	—	—	—	—	100	—	—
Gadsby (UT)	—	—	—	—	—	—	—	—	7,436	231.6	2.42	—	—	100
Centralia (WA)	6,135	136.2	22.86	.65	14	467.8	27.51	.30	—	—	—	100	*	—
Johnston (WY)	4,466	58.2	9.20	.43	15	458.1	26.94	.30	—	—	—	100	*	—
Naughton (WY)	2,784	113.5	22.28	.75	6	431.9	25.39	.30	131:ehp2.	561.4	5.80	100	*	*
Wyodak (WY)	1,952	67.4	10.72	.54	1	454.6	26.73	.30	—	—	—	100	*	—
Emery-Hunter (UT)	3,980	89.8	20.13	.50	19	452.9	26.63	.30	—	—	—	100	*	—
Jim Bridger (WY)	9,002	102.2	19.33	.61	19	450.3	26.48	.30	—	—	—	100	*	—
Huntington (UT)	3,447	65.4	15.38	.46	6	480.4	28.25	.30	—	—	—	100	*	—
Painesville City of	**110**	**140.8**	**34.62**	**2.86**	—	—	—	—	**12**	**479.0**	**4.79**	**100**	—	*****
Painesville (OH)	110	140.8	34.62	2.86	—	—	—	—	12	479.0	4.79	100	—	*
Pasadena City of	—	—	—	—	—	—	—	—	**3,444**	**312.2**	**3.21**	—	—	**100**
Broadway (CA)	—	—	—	—	—	—	—	—	3,444	312.2	3.21	—	—	100
Pennsylvania Electric Co	**15,128**	**135.0**	**32.88**	**1.86**	**211**	**380.6**	**22.19**	**.05**	**441**	**319.0**	**3.29**	**100**	*****	*****
Conemaugh (PA)	4,219	120.8	30.12	2.15	30	384.5	22.41	.05	441	319.0	3.29	99	*	*
Homer City (PA)	4,808	148.9	34.98	1.84	52	374.6	21.84	.05	—	—	—	100	*	—
Seward (PA)	564	116.2	28.49	1.50	15	395.2	23.04	.05	—	—	—	99	1	—
Shawville (PA)	1,310	125.8	30.96	1.85	59	381.8	22.26	.05	—	—	—	99	1	—
Warren (PA)	228	135.7	33.19	1.58	2	369.0	21.51	.05	—	—	—	100	*	—
Keystone (PA)	3,999	140.0	34.49	1.64	53	379.4	22.12	.05	—	—	—	100	*	—
Pennsylvania Power & Light Co	**7,980**	**144.2**	**35.61**	**1.74**	**4,773**	**268.0**	**16.85**	**.83**	—	—	—	**87**	**13**	—
Brunner Island (PA)	2,772	147.9	38.71	1.83	142	405.8	23.50	.11	—	—	—	99	1	—
Holtwood (PA)	327	114.0	16.83	.53	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA)	419	149.6	39.54	1.79	—	—	—	—	—	—	—	100	—	—
Montour (PA)	3,544	145.5	36.83	1.88	126	388.5	22.55	.11	—	—	—	99	1	—
Sunbury (PA)	918	128.6	26.48	1.32	12	385.4	22.44	.12	—	—	—	100	*	—
Storage Facility #1	—	—	—	—	4,493	260.7	16.46	.88	—	—	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Pennsylvania Power Co	**5,636**	**162.0**	**39.07**	**3.54**	**60**	**383.8**	**22.24**	**0.20**	—	—	—	**100**	*	—
New Castle (PA)	613	122.4	29.80	1.61	—	—	—	—	—	—	—	100	—	—
Bruce Mansfield (PA)	5,023	166.8	40.19	3.77	60	383.8	22.24	.20	—	—	—	100	*	—
Philadelphia Electric Co	**1,437**	**145.0**	**38.27**	**1.86**	**4,420**	**255.7**	**16.11**	**.48**	**11,286**	**222.2**	**2.29**	**49**	**36**	**15**
Cromby (PA)	251	141.7	37.43	1.85	563	244.7	15.55	.87	6,331	235.9	2.43	40	21	39
Delaware (PA)	—	—	—	—	1,001	250.7	15.85	.43	—	—	—	—	100	—
Eddystone (PA)	1,186	145.7	38.45	1.87	2,296	260.8	16.37	.41	4,955	204.6	2.11	62	28	10
Schuylkill (PA)	—	—	—	—	560	254.9	16.08	.43	—	—	—	—	100	—
Plains Elec Gen&Trans Coop Inc	**927**	**134.5**	**24.38**	**.69**	—	—	—	—	**195**	**370.3**	**3.17**	**99**	—	**1**
Escalante (NM)	927	134.5	24.38	.69	—	—	—	—	195	370.3	3.17	99	—	1
Platte River Power Authority	**1,095**	**71.4**	**12.64**	**.26**	—	—	—	—	—	—	—	**100**	—	—
Rawhide (CO)	1,095	71.4	12.64	.26	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co	**2,223**	**107.3**	**19.18**	**.37**	**3**	**465.4**	**27.17**	**.50**	**26,041**	**183.0**	**1.85**	**60**	*	**40**
Boardman (OR)	2,223	107.3	19.18	.37	3	465.4	27.17	.50	—	—	—	100	*	—
Beaver (OR)	—	—	—	—	—	—	—	—	26,041	183.0	1.85	—	—	100
Potomac Edison Co	**129**	**133.9**	**33.79**	**.91**	**5**	**403.3**	**23.88**	**.30**	—	—	—	**99**	**1**	—
Smith (MD)	129	133.9	33.79	.91	5	403.3	23.88	.30	—	—	—	99	1	—
Potomac Electric Power Co	**5,276**	**164.6**	**42.55**	**1.37**	**6,108**	**258.2**	**16.20**	**1.31**	**6,619**	**242.4**	**2.53**	**75**	**21**	**4**
Benning (DC)	—	—	—	—	653	326.4	19.64	.87	—	—	—	—	100	—
Chalk (MD)	1,233	166.5	42.69	1.59	4,126	251.5	15.91	1.30	6,619	242.4	2.53	49	40	11
Dickerson (MD)	1,113	145.8	37.25	1.40	108	400.7	23.42	.21	—	—	—	98	2	—
Morgantown (MD)	2,067	169.4	44.17	1.47	1,095	216.2	13.66	1.88	—	—	—	89	11	—
Potomac River (VA)	863	174.2	45.33	.80	126	401.3	23.45	.21	—	—	—	97	3	—
Power Authority of State of NY	—	—	—	—	**1,211**	**238.7**	**14.88**	**.27**	**20,734**	**266.7**	**2.74**	—	**26**	**74**
Poletti (NY)	—	—	—	—	1,107	227.8	14.26	.28	15,017	240.1	2.49	—	31	69
Richard Flynn (NY)	—	—	—	—	104	362.0	21.42	.18	5,717	338.0	3.42	—	10	90
Public Service Co of Colorado	**8,969**	**102.6**	**20.16**	**.39**	**6**	**458.1**	**25.90**	**.10**	**1,819**	**197.8**	**2.07**	**99**	*	**1**
Arapahoe (CO)	733	109.4	24.38	.48	—	—	—	—	54	196.9	2.10	100	—	*
Cameo (CO)	286	86.5	19.62	.58	*	730.9	42.12	.10	15	231.3	2.41	100	*	*
Cherokee (CO)	1,848	113.4	25.16	.42	—	—	—	—	1,204	195.3	2.03	97	—	3
Comanche (CO)	2,087	102.3	17.48	.29	—	—	—	—	81	191.9	2.00	100	—	*
Valmont (CO)	534	107.7	24.33	.53	—	—	—	—	109	160.8	1.66	99	—	1
Zuni (CO)	—	—	—	—	—	—	—	—	237	210.5	2.28	—	—	100
Hayden (CO)	1,537	95.6	20.28	.43	5	451.4	25.50	.10	37	189.5	2.02	100	*	*
Pawnee (CO)	1,945	94.1	15.52	.35	—	—	—	—	82	246.8	2.64	100	—	*
PSI Energy Inc	**16,171**	**135.7**	**29.99**	**1.88**	**191**	**398.0**	**22.90**	**.30**	—	—	—	**100**	*	—
Cayuga (IN)	3,106	131.3	29.23	1.93	12	395.3	22.74	.30	—	—	—	100	*	—
Edwardsport (IN)	206	105.2	23.48	2.29	16	401.6	23.11	.30	—	—	—	98	2	—
Noblesville (IN)	145	127.6	29.09	2.47	3	404.9	23.30	.30	—	—	—	99	1	—
Gallagher (IN)	1,518	122.6	29.81	1.88	34	417.2	24.01	.30	—	—	—	99	1	—
Wabash River (IN)	1,465	120.9	26.97	1.67	47	403.6	23.22	.30	—	—	—	99	1	—
Gibson Station (IN)	9,731	142.6	30.87	1.88	79	385.8	22.20	.30	—	—	—	100	*	—
Public Service Co of NH	**1,255**	**152.2**	**39.66**	**1.52**	**2,319**	**199.5**	**12.86**	**1.52**	**1,275**	**209.7**	**2.13**	**67**	**31**	**3**
Merrimack (NH)	979	154.1	40.67	1.78	2	391.8	22.86	.26	—	—	—	100	*	—
Schiller (NH)	276	144.9	36.07	.58	—	—	—	—	—	—	—	100	—	—
Newington Station (NH)	—	—	—	—	2,317	199.4	12.85	1.52	1,275	209.7	2.13	—	92	8
Public Service Co of NM	**5,980**	**170.5**	**32.30**	**.87**	**45**	**464.9**	**26.55**	**1.00**	**241**	**321.2**	**3.36**	**100**	*	*
Reeves (NM)	—	—	—	—	—	—	—	—	241	321.2	3.36	—	—	100
San Juan (NM)	5,980	170.5	32.30	.87	45	464.9	26.55	1.00	—	—	—	100	*	—
Public Service Co of Oklahoma	**3,132**	**143.7**	**24.51**	**.39**	—	—	—	—	**83,324**	**238.0**	**2.46**	**38**	—	**62**
Northeastern (OK)	3,132	143.7	24.51	.39	—	—	—	—	19,618	225.5	2.32	73	—	27
Southwestern (OK)	—	—	—	—	—	—	—	—	11,869	241.8	2.53	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Public Service Co of Oklahoma														
Tulsa (OK)	—	—	—	—	—	—	—	—	1,039	233.7	2.40	—	—	100
Riverside (OK)	—	—	—	—	—	—	—	—	40,586	244.1	2.51	—	—	100
Comanche (CS) (OK)	—	—	—	—	—	—	—	—	10,212	233.5	2.49	—	—	100
Public Service Electric&Gas Co	**1,256**	**189.0**	**51.50**	**0.78**	**2,049**	**306.9**	**19.15**	**0.29**	**29,349**	**200.0**	**2.07**	**44**	**17**	**39**
Bergen (NJ)	—	—	—	—	—	—	—	—	4,263	214.8	2.23	—	—	100
Burlington (NJ)	—	—	—	—	173	288.3	18.09	.44	3,168	189.3	1.96	—	25	75
Hudson (NJ)	567	200.9	52.71	.77	401	335.5	20.70	.29	10,827	204.4	2.11	52	9	39
Kearny (NJ)	—	—	—	—	222	320.5	19.91	.27	—	—	—	—	100	—
Linden (NJ)	—	—	—	—	1,016	293.1	18.41	.27	—	—	—	—	100	—
Mercer (NJ)	688	179.8	50.50	.79	—	—	—	—	6,724	182.5	1.89	74	—	26
Sewaren (NJ)	—	—	—	—	237	319.6	19.72	.24	4,367	209.2	2.17	—	24	76
Richmond City of	**309**	**149.1**	**34.55**	**2.47**	—	—	—	—	—	—	—	**100**	—	—
Whitewater (IN)	309	149.1	34.55	2.47	—	—	—	—	—	—	—	100	—	—
Rochester Public Utilities	**98**	**173.6**	**41.67**	**1.32**	—	—	—	—	**3052**	**250.9**	**2.55**	**88**	**–**	
Silver Lake (MN)	98	173.6	41.67	1.32	—	—	—	—	305:ehp2.inus.	250.9	2.55	88	—	12
Rochester Gas & Electric Corp	**544**	**134.8**	**35.61**	**2.08**	—	—	—	—	—	—	—	**100**	—	—
Beebee Station 3 (NY)	48	133.6	35.31	1.91	—	—	—	—	—	—	—	100	—	—
Russell Station 7 (NY)	496	134.9	35.64	2.10	—	—	—	—	—	—	—	100	—	—
Ruston City of	—	—	—	—	—	—	—	—	**2,205**	**198.6**	**2.09**	—	—	**100**
Steam Plant (LA)	—	—	—	—	—	—	—	—	2,205	198.6	2.09	—	—	100
Salt River Proj Ag I & P Dist	**10,184**	**124.8**	**26.85**	**.50**	**40**	**447.6**	**26.58**	**.50**	**5,9912**	**218.8**	**2.23**	**97**	*****	**3**
Agua Fria (AZ)	—	—	—	—	—	—	—	—	3,194:ehp2.us.	211.1	2.15	—	—	100
Kyrene (AZ)	—	—	—	—	—	—	—	—	152:ehp2.inus.	360.0	3.68	—	—	100
Navajo (AZ)	7,580	103.6	22.82	.53	31	449.3	26.78	.58	—	—	—	100	*	—
Coronado (AZ)	2,604	192.8	38.56	.43	9	441.3	25.86	.23	—	—	—	100	*	—
Santan (AZ)	—	—	—	—	—	—	—	—	2,645	220.0	2.25	—	—	100
San Antonio City of	**4,606**	**112.9**	**18.98**	**.34**	—	—	—	—	**25,215**	**201.4**	**2.05**	**75**	—	**25**
Sommers (TX)	—	—	—	—	—	—	—	—	14,494	202.0	2.05	—	—	100
Braunig (TX)	—	—	—	—	—	—	—	—	10,379	200.6	2.04	—	—	100
Tuttle (TX)	—	—	—	—	—	—	—	—	274	200.2	2.03	—	—	100
JT Deely/Spruce (TX)	4,606	112.9	18.98	.34	—	—	—	—	68	197.4	2.01	100	—	*
San Diego Gas & Electric Co	—	—	—	—	**369**	**216.3**	**13.28**	**.38**	**40,089**	**290.6**	**2.97**	—	**5**	**95**
Encina (CA)	—	—	—	—	367	216.3	13.28	.38	18,525	295.1	3.01	—	11	89
South Bay (CA)	—	—	—	—	2	218.7	13.13	.47	21,564	286.7	2.93	—	*	100
San Miguel Electric Coop Inc	**2,874**	**104.9**	**11.00**	**1.90**	**10**	**363.1**	**21.07**	**.66**	—	—	—	**100**	*****	—
San Miquel (TX)	2,874	104.9	11.00	1.90	10	363.1	21.07	.66	—	—	—	100	*	—
Savannah Electric & Power Co	**300**	**175.4**	**43.20**	**1.17**	**7**	**429.0**	**24.86**	**.49**	**5852**	**287.6**	**2.95**	**92**	**1**	**7**
Kraft (GA)	167	174.0	43.27	1.11	—	—	—	—	526	287.7	2.95	89	—	11
Riverside (GA)	—	—	—	—	—	—	—	—	60:ehp2.minus.	286.2	2.93	—	—	100
McIntosh (GA)	133	177.3	43.11	1.25	7	429.0	24.86	.49	—	—	—	99	1	—
Seminole Electric Coop Inc	**3,403**	**183.8**	**44.69**	**2.85**	**39**	**400.4**	**23.11**	**.06**	—	—	—	**100**	*****	—
Seminole (FL)	3,403	183.8	44.69	2.85	39	400.4	23.11	.06	—	—	—	100	*	—
Sierra Pacific Power Co	**1,622**	**198.3**	**40.88**	**.46**	**222**	**328.7**	**20.46**	**.71**	**20,881**	**180.9**	**1.88**	**59**	**2**	**38**
Fort Churchill (NV)	—	—	—	—	118	323.6	20.22	.75	11,114	182.3	1.89	—	6	94
Tracy (NV)	—	—	—	—	91	321.0	20.06	.75	9,767	179.3	1.86	—	5	95
North Valmy (NV)	1,622	198.3	40.88	.46	13	436.9	25.41	.00	—	—	—	100	*	—
Sikeston City of	**360**	**175.3**	**40.53**	**2.46**	**10**	**363.1**	**21.50**	**.26**	—	—	—	**100**	*****	—
Sikeston (MO)	360	175.3	40.53	2.46	10	363.1	21.50	.26	—	—	—	100	*	—
Solid Waste Auth of Cent Ohio	**17**	**175.2**	**46.86**	**.70**	—	—	—	—	**272**	**262.3**	**2.71**	**62**	—	**38**
Solid Waste R F (OH)	17	175.2	46.86	.70	—	—	—	—	272	262.3	2.71	62	—	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 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
South Carolina Electric&Gas Co	**5,247**	**157.7**	**40.57**	**1.20**	**78**	**416.0**	**24.11**	**0.20**	**2,584**	**167.1**	**1.71**	**98**	*	**2**
Canadys (SC)	956	158.8	40.65	1.37	3	431.9	25.04	.20	1,307	159.1	1.63	95	*	5
Hagood (SC)	—	—	—	—	11	431.9	25.03	.20	106	338.9	3.47	—	37	63
Mcmeekin (SC)	655	152.6	39.30	1.15	4	401.7	23.28	.20	—	—	—	100	*	—
Parr (SC)	—	—	—	—	9	436.4	25.29	.20	7	302.0	3.08	—	87	13
Urguhart (SC)	546	156.0	40.20	1.30	3	424.5	24.60	.20	1,163	159.6	1.63	92	*	8
Wateree (SC)	1,657	155.0	39.83	1.34	35	409.3	23.72	.20	—	—	—	100	*	—
Williams (SC)	1,434	163.2	42.10	.89	12	404.7	23.46	.20	—	—	—	100	*	—
South Carolina Pub Serv Auth	**5,401**	**152.0**	**38.56**	**1.24**	—	—	—	—	—	—	—	**100**	—	—
Cross (SC)	1,735	159.8	40.23	1.13	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	286	164.3	41.20	1.55	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	657	140.4	36.33	1.52	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	2,722	148.6	37.77	1.20	—	—	—	—	—	—	—	100	—	—
South Mississippi El Pwr Assn	**861**	**200.9**	**49.81**	**.86**	**3**	**360.8**	**21.30**	**.36**	**6,793**	**188.4**	**1.97**	**75**	*	**25**
Moselle (MS)	—	—	—	—	—	—	—	—	6,793	188.4	1.97	—	—	100
R D Morrow (MS)	861	200.9	49.81	.86	3	360.8	21.30	.36	—	—	—	100	*	—
Southern California Edison Co	**4,415**	**118.9**	**27.28**	**.51**	**1**	**203.8**	**12.41**	**.03**	**216,669**	**248.1**	**2.56**	**31**	*	**69**
Alamitos (CA)	—	—	—	—	—	—	—	—	54,168	254.5	2.58	—	—	100
Cool Water (CA)	—	—	—	—	—	—	—	—	14,798	204.1	2.13	—	—	100
El Segundo (CA)	—	—	—	—	—	—	—	—	20,587	239.1	2.54	—	—	100
Etiwanda (CA)	—	—	—	—	—	—	—	—	18,905	254.5	2.60	—	—	100
Highgrove (CA)	—	—	—	—	—	—	—	—	31	232.1	2.38	—	—	100
Huntington Beach (CA)	—	—	—	—	—	—	—	—	12,975	258.1	2.63	—	—	100
Long Beach (CA)	—	—	—	—	—	—	—	—	2,158	250.8	2.57	—	—	100
Mandalay (CA)	—	—	—	—	—	—	—	—	10,840	252.0	2.68	—	—	100
Ormond Beach (CA)	—	—	—	—	—	—	—	—	46,867	250.9	2.62	—	—	100
Redondo (CA)	—	—	—	—	—	—	—	—	32,859	250.7	2.60	—	—	100
San Bernardino (CA)	—	—	—	—	—	—	—	—	233	230.2	2.35	—	—	100
Mohave (NV)	4,415	118.9	27.28	.51	—	—	—	—	2,248	246.1	2.52	98	—	2
Storage Facility # 1	—	—	—	—	1	203.8	12.41	.03	—	—	—	—	100	—
Southern Illinois Power Coop	**624**	**90.6**	**18.70**	**2.71**	**7**	**413.7**	**23.57**	**.00**	—	—	—	**100**	*	—
Marion (IL)	624	90.6	18.70	2.71	7	413.7	23.57	.00	—	—	—	100	*	—
Southern Indiana Gas & Elec Co	**2,792**	**137.5**	**31.38**	**3.07**	**1**	**459.6**	**26.83**	**.39**	**127**	**308.1**	**3.16**	**100**	*	*
Culley (IN)	847	126.4	28.17	2.38	1	459.6	26.83	.39	19	336.8	3.45	100	*	*
A B Brown (IN)	1,436	152.6	35.40	3.62	—	—	—	—	98	296.1	3.04	100	—	*
Warrick (IN)	509	112.1	25.39	2.66	—	—	—	—	10	370.8	3.80	100	—	*
Southwestern Electric Power Co	**10,236**	**162.2**	**25.29**	**.64**	**31**	**391.4**	**23.02**	**.06**	**43,3332**	**197.2**	**1.97**	**79**	*	**21**
Arsenal Hill (LA)	—	—	—	—	—	—	—	—	1,310	207.9	2.20	—	—	100
Lieberman (LA)	—	—	—	—	—	—	—	—	2,836	195.8	2.00	—	—	100
Knox Lee (TX)	—	—	—	—	—	—	—	—	11,414	192.6	2.02	—	—	100
Lone Star (TX)	—	—	—	—	—	—	—	—	40	677.0	5.88	—	—	100
Wilkes (TX)	—	—	—	—	—	—	—	—	27,667:ehp2.s.	198.1	1.94	—	—	100
Flint Creek (AR)	1,682	156.7	26.14	.33	11	398.9	23.46	.00	—	—	—	100	*	—
Welsh Station (TX)	5,164	182.5	30.64	.33	20	387.3	22.78	.10	—	—	—	100	*	—
Pirkey (TX)	3,390	126.6	16.74	1.25	—	—	—	—	66	270.0	2.81	100	—	*
Southwestern Public Service Co	**8,359**	**176.2**	**30.50**	**.32**	—	—	—	—	**67,545**	**185.8**	**1.88**	**68**	—	**32**
Maddox (NM)	—	—	—	—	—	—	—	—	5,390	186.9	1.96	—	—	100
Cunningham (NM)	—	—	—	—	—	—	—	—	13,144	192.6	1.95	—	—	100
Jones (TX)	—	—	—	—	—	—	—	—	25,282	185.7	1.89	—	—	100
Nichols (TX)	—	—	—	—	—	—	—	—	14,554	180.2	1.77	—	—	100
Plant X (TX)	—	—	—	—	—	—	—	—	9,028	183.6	1.85	—	—	100
Harrington (TX)	4,409	154.9	26.79	.33	—	—	—	—	89	202.2	1.95	100	—	*
Tolk (TX)	3,950	200.0	34.64	.32	—	—	—	—	58	206.5	2.08	100	—	*
Springfield City of	**1,018**	**115.2**	**24.15**	**3.08**	**1**	**377.2**	**21.86**	**.45**	—	—	—	**100**	*	—
Dallman (IL)	959	115.2	24.16	3.08	1	377.2	21.86	.45	—	—	—	100	*	—
Lakeside (IL)	58	115.2	24.14	3.09	—	—	—	—	—	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
Springfield City of	**903**	**137.4**	**31.71**	**1.80**	—	—	—	—	**1,779**	**162.0**	**1.61**	**92**	—	**8**
James River (MO)	472	141.2	32.93	1.63	—	—	—	—	1,692	160.4	1.59	87	—	13
Southwest (MO)	432	133.2	30.38	1.98	—	—	—	—	87	192.4	1.92	99	—	1
St Joseph Light & Power Co	**221**	**132.9**	**30.90**	**3.51**	**85**	**165.8**	**10.80**	**2.21**	**391**	**227.2**	**2.26**	**85**	**9**	**6**
Lakeroad (MO)	221	132.9	30.90	3.51	85	165.8	10.80	2.21	391	227.2	2.26	85	9	6
Sunflower Electric Coop Inc	**1,492**	**106.4**	**17.96**	**.34**	—	—	—	—	**128**	**255.7**	**2.14**	**100**	—	*****
Holcomb (KS)	1,492	106.4	17.96	.34	—	—	—	—	128	255.7	2.14	100	—	*
Tacoma Public Utilities	**36**	**175.1**	**33.81**	**.45**	*****	**596.4**	**34.57**	**.50**	**112**	**471.2**	**4.95**	**100**	*****	*****
Steam No.2 (WA)	36	175.1	33.81	.45	*	596.4	34.57	.50	11:ehp2.	471.2	4.95	100	*	*
Tallahassee City of	—	—	—	—	**69**	**290.0**	**18.27**	**.53**	**13,747**	**246.1**	**2.55**	—	**3**	**97**
Hopkins (FL)	—	—	—	—	69	290.0	18.27	.53	11,379	246.1	2.55	—	4	96
Purdom (FL)	—	—	—	—	—	—	—	—	2,367	246.6	2.56	—	—	100
Tampa Electric Co5	**7,180**	**184.9**	**44.81**	**2.12**	**455**	**270.2**	**17.06**	**.76**	—	—	—	**98**	**2**	—
Big Bend (FL)	—	—	—	—	41	395.0	23.01	.25	—	—	—	—	100	—
Gannon (FL)	1,246	229.8	58.71	1.13	51	395.9	23.17	.23	—	—	—	99	1	—
Hookers Point (FL)	—	—	—	—	363	241.4	15.53	.90	—	—	—	—	100	—
Davant Transfer (LA)	5,934	174.8	41.89	2.33	—	—	—	—	—	—	—	100	—	—
Taunton City of	—	—	—	—	**66**	**243.5**	**15.36**	**2.12**	**366**	**249.2**	**2.56**	—	**52**	**48**
Cleary (MA)	—	—	—	—	66	243.5	15.36	2.12	366	249.2	2.56	—	52	48
Tennessee Valley Authority	**39,135**	**122.9**	**29.22**	**2.22**	**349**	**411.5**	**23.87**	**.50**	—	—	—	**100**	*****	—
Colbert (AL)	3,135	127.5	30.16	1.37	47	439.7	25.35	.50	—	—	—	100	*	—
Widows Creek (AL)	4,023	126.1	30.15	2.23	41	388.4	22.54	.50	—	—	—	100	*	—
Paradise (KY)	6,892	107.1	23.51	3.88	37	379.4	22.09	.50	—	—	—	100	*	—
Shawnee (KY)	3,114	127.8	30.37	.87	29	416.9	24.07	.50	—	—	—	100	*	—
Allen (TN)	2,021	122.5	30.22	2.08	22	408.3	23.81	.50	—	—	—	100	*	—
Bull Run (TN)	1,816	122.1	31.51	1.35	42	398.1	22.91	.50	—	—	—	99	1	—
Cumberland (TN)	5,731	128.0	29.75	2.78	71	416.7	24.23	.50	—	—	—	100	*	—
Gallatin (TN)	2,413	125.8	30.98	2.63	15	412.3	23.98	.50	—	—	—	100	*	—
Sevier (TN)	2,146	124.5	31.09	1.49	2	417.3	24.34	.50	—	—	—	100	*	—
Johnsonville (TN)	3,339	128.5	30.49	1.71	28	462.9	27.06	.50	—	—	—	100	*	—
Kingston (TN)	3,922	123.7	31.28	1.27	15	374.4	21.67	.50	—	—	—	100	*	—
BRT Terminal (KY)	476	118.3	27.71	2.56	—	—	—	—	—	—	—	100	—	—
Cahokia (KY)	107	123.6	29.31	.51	—	—	—	—	—	—	—	100	—	—
Terrebonne Parish Consol Govt	—	—	—	—	—	—	—	—	**1,361**	**197.2**	**2.13**	—	—	**100**
Houma (LA)	—	—	—	—	—	—	—	—	1,361	197.2	2.13	—	—	100
Texas Municipal Power Agency	**3,666**	**145.1**	**14.08**	**1.58**	—	—	—	—	**134**	**188.3**	**1.92**	**100**	—	*****
Gibbons Creek (TX)	3,666	145.1	14.08	1.58	—	—	—	—	134	188.3	1.92	100	—	*
Texas-New Mexico Power Co	**1,907**	**157.5**	**21.63**	**.96**	—	—	—	—	**403**	**209.7**	**2.16**	**98**	—	**2**
TNP One (Tx)	1,907	157.5	21.63	.96	—	—	—	—	403	209.7	2.16	98	—	2
Texas Utilities Electric Co6	**28,935**	**100.0**	**12.92**	**.85**	**10**	**352.7**	**20.44**	**.40**	**324,070**	**253.5**	**2.59**	**53**	*****	**47**
Dallas (TX)	—	—	—	—	—	—	—	—	90	280.3	2.86	—	—	100
Lake Hubbard (TX)	—	—	—	—	—	—	—	—	23,484	252.7	2.58	—	—	100
Mountain Creek (TX)	—	—	—	—	—	—	—	—	19,775	253.2	2.57	—	—	100
North Lake (TX)	—	—	—	—	—	—	—	—	12,584	251.5	2.56	—	—	100
Parkdale (TX)	—	—	—	—	—	—	—	—	430	240.6	2.42	—	—	100
Eagle Mountain (TX)	—	—	—	—	—	—	—	—	8,877	246.5	2.53	—	—	100
Graham (TX)	—	—	—	—	—	—	—	—	20,796	248.0	2.56	—	—	100
Handley (TX)	—	—	—	—	—	—	—	—	26,849	248.5	2.53	—	—	100
Morgan Creek (TX)	—	—	—	—	—	—	—	—	22,590	249.3	2.53	—	—	100
North Main (TX)	—	—	—	—	—	—	—	—	19	243.5	2.49	—	—	100
Permian Basin (TX)	—	—	—	—	—	—	—	—	29,982	256.3	2.67	—	—	100
Big Brown (TX)	5,311	95.6	12.78	.75	—	—	—	—	929	254.1	2.62	99	—	1
Collin (TX)	—	—	—	—	—	—	—	—	240	239.7	2.42	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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	Petro-leum	Gas
Texas Utilities Electric Co6														
Lake Creek (TX)	—	—	—	—	—	—	—	—	6,966	253.2	2.62	—	—	100
River Crest (TX)	—	—	—	—	—	—	—	—	31	258.1	2.85	—	—	100
Stryker (TX)	—	—	—	—	—	—	—	—	24,774	257.8	2.64	—	—	100
Tradinghouse (TX)	—	—	—	—	—	—	—	—	56,903	258.7	2.65	—	—	100
Trinidad (TX)	—	—	—	—	—	—	—	—	481	232.2	2.27	—	—	100
Valley (TX)	—	—	—	—	—	—	—	—	32,572	251.2	2.57	—	—	100
Martin Lake (TX)	13,443	87.2	11.52	0.98	—	—	—	—	—	—	—	100	—	—
Monticello (TX)	6,740	140.0	16.14	.49	8	340.0	19.71	0.50	—	—	—	100	*	—
Sandow No 4 (TX)	3,441	89.3	12.30	1.18	2	403.2	23.37	.00	—	—	—	100	*	—
Decordova (TX)	—	—	—	—	—	—	—	—	35,698	255.3	2.59	—	—	100
Toledo Edison Co	**1,211**	**180.4**	**46.64**	**1.04**	**3**	**400.2**	**23.20**	**.22**	—	—	—	**100**	*****	—
Bay Shore (OH)	1,211	180.4	46.64	1.04	3	400.2	23.20	.22	—	—	—	100	*	—
Tri State G & T Assn Inc	**4,848**	**108.7**	**22.17**	**.45**	—	—	—	—	**127**	**206.5**	**2.15**	**100**	*****	*****
Nucla (CO)	384	78.8	16.15	.86	—	—	—	—	—	—	—	99	1	—
Craig (CO)	4,465	111.3	22.69	.41	—	—	—	—	127	206.5	2.15	100	—	*
Tucson Electric Power Co	**3,366**	**167.3**	**30.89**	**.67**	—	—	—	—	**2,151**	**195.3**	**2.01**	**97**	—	**3**
Irvington (AZ)	374	207.1	42.05	.43	—	—	—	—	2,151	195.3	2.01	77	—	23
Springerville (AZ)	2,992	161.7	29.50	.70	—	—	—	—	—	—	—	100	—	—
Union Electric Co	**11,971**	**116.6**	**23.14**	**1.14**	**85**	**371.8**	**21.39**	**.29**	**1,629**	**216.4**	**2.21**	**99**	*****	**1**
Venice No.2 (IL)	—	—	—	—	—	—	—	—	794	219.2	2.24	—	—	100
Labadie (MO)	6,066	115.6	22.83	1.14	71	369.9	21.28	.29	—	—	—	100	*	—
Meramec (MO)	875	133.1	30.99	1.28	—	—	—	—	835	213.6	2.18	96	—	4
Sioux (MO)	1,790	123.5	24.13	1.72	9	371.7	21.39	.29	—	—	—	100	*	—
Rush Island (MO)	3,240	109.3	21.04	.76	5	398.8	22.94	.29	—	—	—	100	*	—
United Illuminating Co	**863**	**177.4**	**46.45**	**.54**	**2,377**	**256.1**	**16.26**	**.89**	**506**	**227.7**	**2.35**	**59**	**39**	**1**
Bridgeport Harbor (CT)	863	177.4	46.45	.54	383	259.2	16.41	.91	—	—	—	90	10	—
New Haven Hbr (CT)	—	—	—	—	1,994	255.5	16.23	.88	506	227.7	2.35	—	96	4
United Power Assn	**1,025**	**69.2**	**9.37**	**.64**	**3**	**440.1**	**25.33**	**.40**	—	—	—	**100**	*****	—
Stanton (ND)	1,025	69.2	9.37	.64	3	440.1	25.33	.40	—	—	—	100	*	—
UtiliCorp United Inc	**1,524**	**105.7**	**21.95**	**.85**	—	—	—	—	—	—	—	**100**	—	—
Sibley (MO)	1,524	105.7	21.95	.85	—	—	—	—	—	—	—	100	—	—
Vero Beach City of	—	—	—	—	—	—	—	—	**4,281**	**236.6**	**2.46**	—	—	**100**
Vero Beach (FL)	—	—	—	—	—	—	—	—	4,281	236.6	2.46	—	—	100
Vineland City of	**24**	**178.9**	**47.16**	**.85**	**130**	**305.9**	**19.26**	**.82**	—	—	—	**43**	**57**	—
H M Down (NJ)	24	178.9	47.16	.85	130	305.9	19.26	.82	—	—	—	43	57	—
Virginia Electric & Power Co	**10,254**	**138.9**	**35.10**	**1.40**	**3,207**	**210.7**	**13.29**	**1.09**	**18,2002**	**256.6**	**2.66**	**87**	**7**	**6**
Bremo Bluff (VA)	432	147.2	37.56	1.13	5	371.1	21.82	.20	—	—	—	100	*	—
Chesterfield (VA)	3,132	144.2	36.74	1.14	100	361.9	21.28	.20	17,625	257.0	2.67	81	1	19
Chesapeake Energy (VA)	1,095	151.8	39.40	.97	50	375.6	22.09	.20	*	621.1	6.48	99	1	*
Possum Point (VA)	582	148.4	38.08	.99	107	251.8	15.64	.59	—	—	—	96	4	—
Yorktown (VA)	658	145.5	37.81	1.36	130	201.5	12.77	1.18	575:ehp2.	242.9	2.45	92	4	3
Mount Storm (WV)	4,356	128.4	31.78	1.77	53	428.4	25.19	.20	—	—	—	100	*	—
Storage Facility # 1	—	—	—	—	2,762	197.6	12.53	1.17	—	—	—	—	100	—
West Penn Power Co	**4,865**	**147.1**	**37.57**	**2.23**	**110**	**379.2**	**22.45**	**.27**	**73**	**403.7**	**4.04**	**99**	**1**	*****
Armstrong (PA)	648	125.8	31.40	1.89	6	397.0	23.51	.27	—	—	—	100	*	—
Hatfield (PA)	3,665	152.5	39.28	2.19	10	387.6	22.95	.27	—	—	—	100	*	—
Mitchell (PA)	552	135.6	33.45	2.86	89	377.8	22.38	.27	73	403.7	4.04	96	4	1
Springdale (PA)	—	—	—	—	5	364.1	21.56	.27	—	—	—	—	100	—
WestPlains Energy	—	—	—	—	—	—	—	—	**7,408**	**166.0**	**1.64**	—	—	**100**
Cimarron River (KS)	—	—	—	—	—	—	—	—	1,507	177.4	1.72	—	—	100
Large (KS)	—	—	—	—	—	—	—	—	4,736	165.9	1.64	—	—	100
Mullergren (KS)	—	—	—	—	—	—	—	—	1,165	152.2	1.54	—	—	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, 1994 (Continued)

Electric Utility Plant (State)	Coal				Petroleum1				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
West Texas Utilities Co	**3,038**	**142.9**	**23.90**	**0.35**	—	—	—	—	**41,772**	**209.3**	**2.08**	**55**	—	**45**
Oklaunion (TX)	3,038	142.9	23.90	.35	—	—	—	—	—	—	—	100	—	—
Oak Creek (TX)	—	—	—	—	—	—	—	—	3,367	194.4	1.95	—	—	100
Paint Creek (TX)	—	—	—	—	—	—	—	—	3,628	211.8	2.10	—	—	100
Rio Pecos (TX)	—	—	—	—	—	—	—	—	7,990	178.1	1.70	—	—	100
San Angelo (TX)	—	—	—	—	—	—	—	—	9,323	212.6	2.14	—	—	100
Fort Phantom (TX)	—	—	—	—	—	—	—	—	17,464	223.4	2.24	—	—	100
Western Farmers Elec Coop Inc	**1,512**	**172.8**	**29.26**	**.36**	—	—	—	—	**15,267**	**179.8**	**1.82**	**62**	—	**38**
Anadarko (OK)	—	—	—	—	—	—	—	—	11,597	179.6	1.82	—	—	100
Mooreland (OK)	—	—	—	—	—	—	—	—	3,670	180.5	1.83	—	—	100
Hugo (OK)	1,512	172.8	29.26	.36	—	—	—	—	—	—	—	100	—	—
Western Massachusetts Elec Co	—	—	—	—	**32**	**269.8**	**17.15**	**0.95**	**1,069**	**217.1**	**2.22**	—	**16**	**84**
West Springfield (MA)	—	—	—	—	32	269.8	17.15	.95	1,069	217.1	2.22	—	16	84
Wisconsin Electric Power Co	**9,416**	**120.1**	**24.36**	**.52**	**45**	**369.3**	**21.57**	**.28**	**684**	**260.2**	**2.63**	**100**	*	*
Presque Isle (MI)	1,623	162.0	34.40	.60	13	380.6	22.20	.27	—	—	—	100	*	—
Oak Creek (WI)	1,981	152.2	37.28	.47	—	—	—	—	247	255.5	2.59	99	—	1
Port Washington (WI)	344	141.0	37.07	1.45	—	—	—	—	72	276.0	2.79	99	—	1
Valley (WI)	492	153.5	40.42	1.52	—	—	—	—	97	265.2	2.68	99	—	1
Pleasant Prairie (WI)	4,977	78.0	13.47	.36	—	—	—	—	267	258.4	2.62	100	—	*
Storage Facility #1	—	—	—	—	32	364.7	21.32	.28	—	—	—	—	100	—
Wisconsin Power & Light Co	**7,020**	**125.6**	**22.78**	**.51**	**27**	**409.5**	**24.08**	**.00**	**69**	**322.6**	**3.25**	**100**	*	*
Blackhawk (WI)	—	—	—	—	—	—	—	—	69	322.6	3.25	—	—	100
Edgewater (WI)	2,585	130.3	24.17	.61	9	394.5	23.20	.00	—	—	—	100	*	—
Nelson Dewey (WI)	639	122.9	24.33	.37	8	403.9	23.75	.00	—	—	—	100	*	—
Rock River (WI)	300	173.2	37.07	1.24	1	480.9	28.28	.00	—	—	—	100	*	—
Columbia (WI)	3,496	117.2	20.24	.41	9	419.9	24.69	.00	—	—	—	100	*	—
Wisconsin Public Service Corp	**2,670**	**124.5**	**22.95**	**.31**	**13**	**441.9**	**25.56**	**.23**	**335**	**316.0**	**3.20**	**99**	*	**1**
Pulliam (WI)	921	132.6	26.54	.35	—	—	—	—	294	326.7	3.31	98	—	2
Weston (WI)	1,749	119.6	21.05	.29	13	441.9	25.56	.23	41	238.9	2.42	100	*	*
Wyandotte Municipal Serv Comm	**99**	**185.9**	**49.00**	**.96**	—	—	—	—	—	—	—	**100**	—	—
Wyandotte (MI)	99	185.9	49.00	.96	—	—	—	—	—	—	—	100	—	—
Total	**831,929**	**135.5**	**28.03**	**1.17**	**142,9402**	**248.8**	**15.70**	**1.07**	**2,863,9042**	**223.0**	**2.28**	**82**	**4**	**14**

1 Does not include petroleum coke receipts of 1,263,000 short tons at an average cost of 68.9 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 Most coal destined for the Barry plant is reported by the Alabama Power Company as it is received at the Gorgas Transshipping Facility.

4 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.

5 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 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.

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. • 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.''

Appendix A

Electric Utilities Reporting on the FERC Form 423

This appendix contains a list of the electric utilities that reported on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," during 1994. Shown under each State are the electric utilities that operate power plants in that particular State. Some electric utilities may be shown under more than one State. This is due to those electric utilities (i.e., Tennessee Valley Authority, PacifiCorp, Southwestern Electric Power, Virginia Electric & Power) operating power plants over a multi-State area.

Tables 30 and 31 can be used in conjunction with Appendix A. In these Tables are the names of the power plants operated by each electric utility. Next to the power plant name is the postal abbreviation of the State in which the plant is located. For example, Table 31 shows PacifiCorp as the operator of 9 power plants. Carbon, Gadsby, Emery-Hunter, and Huntington are shown as located in Utah. Johnston, Naughton, Wyodak, and Jim Bridger are shown as located in Wyoming, while Centralia is located in the State of Washington. Appendix A shows PacifiCorp under Utah, Washington, and Wyoming.

Table A1. Electric Utilities Reporting on the FERC Form 423 by State

State	Electric Utility (Holding Company)
Alabama	Alabama Electric Coop Inc
	Alabama Power Co
	Tennessee Valley Authority
Alaska	Anchorage City of
	Chugach Electric Assn
Arizona	Arizona Electric Pwr Coop Inc
	Arizona Public Service Co
	Salt River Proj Ag I & P Dist
	Tucson Electric Power Co
Arkansas	Arkansas Power & Light Co (MSU)
	Southwestern Electric Power Co (CSW)
California	Burbank City of
	Glendale City of
	Imperial Irrigation District
	Los Angeles City of
	Pacific Gas & Electric Company
	Pasadena City of
	San Diego Gas & Electric Co
	Southern California Edison Co
Colorado	Colorado Springs City of
	Platte River Power Authority
	Public Service Co of Colorado
	Tri-State G & T Assn Inc
Connecticut	Connecticut Light & Power Co
	United Illuminating Co
Delaware	Delmarva Power & Light Co
	Dover City of
District of Columbia	Potomac Electric Power Co
Florida	Florida Power & Light Co
	Florida Power Corp
	City of Fort Pierce
	Gainesville Regional Utilities
	Gulf Power Co
	Jacksonville Electric Auth
	Lake Worth City of
	Lakeland City of
	Orlando Utilities Comm
	Seminole Electric Coop Inc
	Tallahassee City of
	Tampa Electric Co
	Vero Beach City of
Georgia	Georgia Power Co (SC)
	Savannah Electric & Power Co
Hawaii	Hawaiian Electric Co Inc
Illinois	Central Illinois Light Co
	Central Illinois Pub Serv Co
	Commonwealth Edison Co
	Electric Energy Inc
	Illinois Power Co
	Southern Illinois Power Coop
	Springfield City of
	Union Electric Co
Indiana	Commonwealth Edison Co
	Hoosier Energy R E C Inc
	Indiana Michigan Power Co (AEP)
	Indiana-Kentucky Electric Corp
	Indianapolis Power & Light Co
	Northern Indiana Pub Serv Co
	PSI Energy Inc
	Richmond City of
	Southern Indiana Gas & Electric Co
Iowa	Ames City of
	Cedar Falls City of
	Central Iowa Power Coop
	IES Utilities
	Interstate Power Co
	Iowa-Illinois Gas & Electric Co
	Midwest Power
	Muscatine City of
Kansas	Coffeyville City of
	Empire District Electric Co
	Kansas City City of
	Kansas City Power & Light Co
	Kansas Gas & Electric Co
	Kansas Power & Light Co
	Sunflower Electric Coop Inc
	West Plains Energy
Kentucky	Big Rivers Electric Corp
	Cincinnati Gas & Electric Co
	East Kentucky Power Coop Inc
	Kentucky Power Co (AEP)
	Kentucky Utilities Co
	Louisville Gas & Electric Co
	Owensboro City of
	Tennessee Valley Authority
Louisiana	Alexandria City of
	Cajun Electric Power Coop Inc
	Central Louisiana Elec Co Inc
	Gulf States Utilities Co
	Lafayette City of
	Louisiana Power & Light Co (MSU)
	Morgan City City of
	New Orleans Public Service Inc (MSU)
	Ruston City of
	Southwestern Electric Power Co (CSW)
	Terrebonne Parish Consolidated Govt
Maine	Bangor Hydro-Electric Co
	Central Maine Power Co
Maryland	Baltimore Gas & Electric Co
	Delmarva Power & Light Co Inc
	Potomac Edison Co (APS)
	Potomac Electric Power Co
Massachusetts	Boston Edison Co
	Braintree City of
	Cambridge Electric Light Co (NEGA)
	Canal Electric Co
	Commonwealth Electric Co (NEGA)
	Holyoke Water Power Co (NU)
	Massachusetts Mun Whls Elec Co
	Montaup Electric Co
	New England Power Co (NEES)
	Taunton City of
	Western Massachusetts Elec Co (NU)
Michigan	Consumers Power Co
	Detroit Edison Co
	Detroit City of
	Grand Haven City of
	Holland City of
	Lansing City of
	Marquette City of
	Michigan South Central Pwr Agy
	Wisconsin Electric Power Co
	Wyandotte Municipal Serv Comm
Minnesota	Interstate Power Co
	Minnesota Power & Light Co
	Northern States Power Co
	Otter Tail Power Co
	Rochester Public Utilities
Mississippi	Mississippi Power Co (SC)
	Mississippi Power & Light Co (MSU)
	South Mississippi El Pwr Assn

Table A1. Electric Utilities Reporting on the FERC Form 423 by State (Continued)

State	Electric Utility (Holding Company)
Missouri	Associated Electric Coop Inc
	Central Electric Pwr Coop-MO
	Columbia City of
	Empire District Electric Co
	Independence City of
	Kansas City Power & Light Co
	Sikeston City of
	Springfield City of
	St Joseph Light & Power Co
	Union Electric Co
	UtiliCorp United Inc
Montana	Montana Power Co
	Montana-Dakota Utilities Co
Nebraska	Central Nebraska Pub P&I Dist
	Fremont City of
	Grand Island City of
	Hastings City of
	Nebraska Public Power District
	Omaha Public Power District
Nevada	Nevada Power Co
	Sierra Pacific Power Co
	Southern California Edison Co
New Hampshire	Public Service Co of NH
New Jersey	Atlantic City Electric Co
	Consolidated Edison Co-NY Inc
	Jersey Central Power&Light Co (GPS)
	Public Service Electric&Gas Co
	Vineland City of
New Mexico	Arizona Public Service Co
	El Paso Electric Co
	Plains Elec Gen&Trans Coop Inc
	Public Service Co of NM
	Southwestern Public Service Co
New York	Central Hudson Gas & Elec Corp
	Consolidated Edison Co-NY
	Jamestown City of
	Long Island Lighting Co
	New York State Elec & Gas Corp
	Niagara Mohawk Power Corp
	Orange and Rockland Utils Inc
	Power Authority of State of NY
	Rochester Gas & Electric
North Carolina	Carolina Power & Light Co
	Duke Power Co
	Fayetteville Public Works Comm
North Dakota	Basin Electric Power Coop
	Coop Power Assn
	Minnkota Power Coop Inc
	Montana-Dakota Utilities Co
	United Power Assn
Ohio	American Mun Power Ohio Inc
	Cardinal Operating Co (AEP)
	Cincinnati Gas & Electric Co
	Cleveland Electric Illum Co
	Columbus Southern Power Co
	Columbus City of
	Dayton Power & Light Co
	Hamilton City of
	Ohio Edison Co
	Ohio Power Co (AEP)
	Ohio Valley Electric Corp
	Orrville Municipal Utilities
	Painesville City of
	Solid Waste Auth of Cent Ohio
	Toledo Edison Co
Oklahoma	Grand River Dam Authority
	Oklahoma Gas & Electric Co
	Public Service Co of Oklahoma (CSW)
	Western Farmers Elec Coop Inc
Oregon	Portland General Electric Co
Pennsylvania	Duquesne Light Co
	Metropolitan Edison Co (GPS)
	Pennsylvania Electric Co (GPS)
	Pennsylvania Power & Light Co
	Pennsylvania Power Company
	Philadelphia Electric Company
	West Penn Power Co (APS)
Rhode Island	New England Power Co (NEES)
South Carolina	Carolina Power & Light Co
	Duke Power Co
	South Carolina Electric&Gas Co
	South Carolina Pub Serv Auth
South Dakota	Northern States Power
	Otter Tail Power Co
Tennessee	Tennessee Valley Authority
Texas	Austin City of
	Brazos Electric Power Coop Inc
	Bryan City of
	Central Power & Light Co (CSW)
	Denton City of
	El Paso Electric Co
	Garland City of
	Greenville City of
	Gulf States Utilities Co
	Houston Lighting & Power Co
	Lower Colorado River Authority
	Lubbock City of
	Medina Electric Coop Inc
	San Antonio City of
	San Miguel Electric Coop Inc
	Southwestern Electric Power Company (CSW)
	Southwestern Public Service Co
	Texas Municipal Power Agency
	Texas-New Mexico Power Co
	Texas Utilities Electric Co
	West Texas Utilities Co (CSW)
Utah	Deseret Generation and Tran Coop
	Los Angeles City of
	PacifiCorp
Vermont	City of Burlington
Virginia	Appalachian Power Co (AEP)
	Potomac Electric Power Co
	Virginia Electric & Power Co
Washington	PacifiCorp
	Puget Sound Power & Light Co
	Tacoma Public Utilities
West Virginia	Appalachian Power Co (AEP)
	Central Operating Co (AEP)
	Monongahela Power Co (APS)
	Ohio Power Co(AEP)
	Virginia Electric & Power Co
Wisconsin	Dairyland Power Coop
	Madison Gas & Electric Co
	Manitowoc Public Utilities
	Wisconsin Electric Power Co
	Wisconsin Power & Light Co
	Wisconsin Public Service Corp
Wyoming	Basin Electric Power Coop
	PacifiCorp

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

Appendix B

Technical Notes

Sources of Data

The annual report, *Cost and Quality of Fuels for Electric Utility Plants, (C&Q)* is prepared by the Coal and Electric Data and Renewables Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy (DOE). Statistics published in the *C&Q* are based on data collected on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants".

FERC Form 423

The FERC Form 423 is a monthly record of received-fuel purchases, submitted by approximately 230 electric utilities for each fossil-fuel plant whose total steam turbine electric generating capacity and/or combined-cycle (steam and associated gas turbines) generating capacity is 50 or more megawatts.

Instrument and Design History. On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil-steam plants, but was amended in 1974 to include data on internal combustion and combustion turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, which were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed by the FERC from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. In 1991, the FERC Form 423 was amended to include combined-cycle generating units. This increase in coverage added 5 electric utilities and approximately 15 additional electric plants. Several plants already reporting on the FERC Form 423 began including fuel receipts for combined-cycle units starting with 1991 data.

Data Processing. Starting with the January 1993 data, the FERC began collection of the data from the respondents. The FERC processes the data through edits and each month provides the EIA with a diskette containing the data. The EIA reviews the data for accuracy. Following approval by the EIA, the data become available for public use.

Quality of Data

The Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF) is responsible for routine data improvement and quality assurance activities. All operations of this office are done in accordance with formal standards established by the Energy Information Administration (EIA). These standards are the measuring rod necessary for quality statistics. Data improvement efforts include verification of data-keyed input by automatic computerized methods, editing by subject matter specialists, and follow-up on nonrespondents. Completed forms received by the CNEAF are sorted, screened for completeness of reported information, and keyed onto computer tapes for storage and transfer to data bases on random access storage devices for computer processing. The information coded on the computer tapes is manually spot checked against the forms to certify accuracy of the tapes. To ensure the quality standards established by EIA, algorithms have been designed and implemented using the past history of data values in the data base to check data input for errors automatically. This automatically reduces the possibility of erroneous entries in the data bases over time as the parameters of the algorithm are updated to reflect new data. Data values rejected by the algorithm are checked with respondents by telephone to correct the problems. Computerized respondent data files are checked to identify those who fail to respond to the survey. By law, nonrespondents may be fined or otherwise penalized for not filing an EIA data form as prescribed in the instructions. Before invoking the law, EIA tries to obtain the required information by encouraging cooperation of nonrespondents.

The CNEAF supports the quality assurance efforts of the data collectors by providing advisory reviews of the structure of information requirements, and of proposed designs for new and revised data collection forms and systems. It also validates the actual performance of working data collection systems, once fielded.

Data Editing System

Automated systems are used to edit data from the survey on a monthly basis. The edit includes both deterministic checks, in which records are checked for the presence of required fields and their validity, and statistical checks, in which estimation techniques are used to validate data according to its behavior in the past and in comparison to other current fields. When all data have passed the edit process, the system builds monthly master files. These master files are used as input to this report.

Confidentiality of the Data

The data collected on the forms used for input to this report are not confidential.

Formulas

Data from the FERC Form 423 are submitted at the plant level. These data are then used in the following formulas to produce aggregates and averages for each fuel type at the State, Census division, and U.S. levels.

For these formulas, let $\sum$ represent the summation of all plants in a geographic region. Costs for each fuel type are reported in cents per million Btu. Additionally,

- For coal, receipts (R) are reported in short tons, and units for average heat content (A) are in Btu per pound, and the unit conversion (U) is 2,000 pounds per ton;
- For petroleum, receipts (R) are reported in barrels, and units for average heat content (A) are in Btu per gallon; and the unit conversion (U) is 42 gallons per barrel;
- For gas, receipts (R) are reported in thousand cubic feet (Mcf), and units for average heat content (A) are in Btu per cubic foot, and the unit conversion (U) is 1,000 cubic feet per Mcf.

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

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

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

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

The weighted average cost in dollars (nominal dollars) per unit is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{U\sum_i (R_i \times A_i \times C_i)}{(10^8)\sum_i R_i}$$

For these formulas:

i denotes a plant
R_i = receipts for plant *i*
A_i = average heat content for receipts, plant *i*
U = unit conversion
C_i = fuel cost in cents per million Btu, plant *i*

Rounding Rules for Data

Given an n digit number with r digits to the left of the decimal and d+t digits in the fractional part, with d being the place to which the number is to be rounded and t being the remaining digits which will be truncated, this number is rounded to r+d digits by adding 5 to the (r+d+1)th digit when the number is positive or by subtracting 5 when the number is negative. The t digits are then truncated at the (r+d+1)th digit. The symbol for a rounded number truncated to zero is *.

CNEAF Data Revision Policy

The Office of Coal, Nuclear, Electric and Alternate Fuels has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

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

A comparison of preliminary data published in the *Electric Power Monthly* versus final data published in this report is provided in Table C2 of the July 1993 issue of the *Electric Power Monthly*. The table provides an explanation of the magnitude of the data changes.

Use of the Glossary

The terms in the glossary have been defined for general use. Restrictions on the definitions as used in these data collection systems are included in each definition when necessary to define the terms as they are used in this report.

Obtaining Copies of Data

Upon EIA approval of the *Electric Power Monthly*, the data become available for public use on a cost-recovery basis. Computer listings are obtained by submitting a written request to:

Energy Information Administration, EI-524
Forrestal Building
U. S. Department of Energy
Washington, DC 20585

These data are also available monthly on machine-readable tapes. Tapes may be purchased by using Visa, MasterCard, or American Express cards as well as money orders or checks payable to the National Technical Information Service (NTIS). Purchasers may also use NTIS and GPO depository accounts. To place an order, contact:

National Technical Information Service (NTIS)
Office of Data Base Services
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161
(703) 487-4650

Glossary

Anthracite: A hard, black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. Comprises three groups classified according to the following ASTM Specification D388-84, on a dry mineral-matter-free basis:

	Fixed Carbon Limits		Volatile Matter	
	GE	LT	GT	LE
Meta-Anthracite	98	-	-	2
Anthracite	92	98	2	8
Semianthracite	86	92	8	14

Ash: Impurities consisting of silica, iron, alumina, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on an "as received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Barrel: A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons.

Bbl: The abbreviation for barrel.

Bcf: The abbreviation for 1 billion cubic feet.

Bituminous Coal: The most common coal. It is dense and black (often with well-defined bands of bright and dull material). Its moisture content usually is less than 20 percent. It is used for generating electricity, making coke, and space heating. Comprises five groups classified according to the following ASTM Specification D388-84, on a dry mineral-matter-free (mmf) basis for fixed-carbon and volatile matter and a moist mmf basis for calorific value.

	Fixed Carbon Limits		Volatile Matter Limits		Calorific Value Limits	
					Btu/lb	
	GE	LT	GT	LT	GE	LE
LV	78	86	14	22	-	-
MV	69	78	22	31	-	-
HVA	-	69	31	-	14000	-
HVB	-	-	-	-	13000	14000
HVC	-	-	-	-	10500	13000

LV = Low-volatile bituminous coal
MV = Medium-volatile bituminous coal
HVA = High-volatile A bituminous coal
HVB = High-volatile B bituminous coal
HVC = High-volatile C bituminous coal

Btu (British Thermal Unit): A standard unit for measuring the quantity of heat energy equal to the quantity of heat required to raise the temperature of 1 pound of water by 1 degree Fahrenheit.

Capacity: The full-load continuous rating of a generator, prime mover, or other electric equipment under specified conditions as designated by the manufacturer. It is usually indicated on a nameplate attached to the equipment.

Capacity (Purchased): The amount of energy and capacity available for purchase from outside the system.

Census Divisions: The nine geographic divisions of the United States established by the Bureau of the Census, U.S. Department of Commerce, for statistical analysis. The boundaries of Census divisions coincide with State boundaries. The Pacific Division is subdivided into the Pacific Contiguous and Pacific Noncontiguous areas.

Coal: A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, bituminous coal, subbituminous coal, and lignite, is based on fixed carbon, volatile matter, and heating value. Coal rank indicates the progressive alteration from lignite to anthracite. Lignite contains approximately 9 to 17 million Btu per ton. The contents of subbituminous and bituminous coal range from 16 to 24 million Btu per ton and from 19 to 30 million Btu per ton, respectively. Anthracite contains approximately 22 to 28 million Btu per ton.

Code of Federal Regulations: A compilation of the general and permanent rules of the executive departments and agencies of the Federal Government as published in the Federal Register. The Code is divided into 50 titles which represent broad areas subject to Federal regulation. Title 18 contains the FERC's regulations.

Coke (Petroleum): A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels (42 U.S. gallons each) per short ton.

Combined Cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbines. The exiting heat is routed to a conventional boiler or to a heat recovery steam generator for utili-

zation by a steam turbine in the production of electricity. This process increases the efficiency of the electric generating unit.

Consumption (Fuel): The amount of fuel used for gross generation, providing standby service, start-up and/or flame stabilization.

Contract Cost: The delivery cost determined when a contract is signed. It may be a fixed cost or a base cost escalated according to a given formula.

Contract Price: Price of fuels marketed on a contract basis covering a period of 1 or more years. Contract prices reflect market conditions at the time the contract was negotiated and therefore remain constant throughout the life of the contract or are adjusted through escalation clauses. Generally, contract prices do not fluctuate widely.

Contract Receipts: Purchases based on a negotiated agreement that generally covers a period of 1 or more years.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Delivered Cost: The cost of fuel, free on board (f.o.b.) plant. Included is the invoice price of fuel, transportation charges, taxes, commissions, insurance, and expenses associated with leased or owned equipment used to transport the fuel.

Distillate Fuel Oil: A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agriculture machinery), and electric power generation. Included are Fuel Oils No. 1, No. 2, and No. 4; and Diesel Fuels No. 1, No. 2, and No. 4.

Electric Plant (Physical): A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly owned, cooperatively owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy Information Administration (EIA): An independent agency within the U.S. Department of Energy that develops surveys, collects energy data, and does analytical and modeling analyses of energy issues. The Agency must satisfy the requests of Congress, other elements within the Department of Energy, Federal Energy Regulatory Commission, the Executive Branch, its own independent needs, and assist the general public, or other interest groups, without taking a policy position.

Federal Energy Regulatory Commission (FERC): A quasi-independent regulatory agency within the Department of Energy having jurisdiction over interstate electricity sales, wholesale electric rates, hydroelectric licensing, natural gas pricing, oil pipeline rates, and gas pipeline certification.

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission (FPC) was created by an Act of Congress under the Federal Water Power Act on June 10, 1920. It was charged originally with regulating the electric power and natural gas industries. The FPC was abolished on September 20, 1977, when the Department of Energy was created. The functions of the FPC were divided between the Department of Energy and the Federal Energy Regulatory Commission.

FERC Guidelines: A compilation of the Federal Energy Regulatory Commission's enabling statutes, procedural and program regulations, and orders, opinions and decisions.

Firm Gas: Gas sold on a continuous and generally long-term contract.

Flue Gas Desulfurization Unit (Scrubber): Equipment used to remove sulfur oxides from the combustion gases of a boiler plant before discharge to the atmosphere. Chemicals, such as lime, are used as the scrubbing media.

Fossil Fuel: Any naturally occurring organic fuel, such as petroleum, coal, and natural gas.

Fossil-Fuel Plant: A plant using coal, petroleum, or gas as its source of energy.

Fuel: Any substance that can be burned to produce heat; also, materials that can be fissioned in a chain reaction to produce heat.

Gas: A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

Gas Turbine Plant: A plant in which the prime mover is a gas turbine. A gas turbine consists typically of an axial-flow air compressor, one or more combustion chambers, where liquid or gaseous fuel is burned and the hot gases are passed to the turbine and

where the hot gases expand to drive the generator and are then used to run the compressor.

Generator Nameplate Capacity: The full-load continuous rating of a generator, prime mover, or other electric power production equipment under specific conditions as designated by the manufacturer. Installed generator nameplate rating is usually indicated on a nameplate physically attached to the generator.

Heavy Oil: The fuel oils remaining after the lighter oils have been distilled off during the refining process. Except for start-up and flame stabilization, virtually all petroleum used in steam plants is heavy oil.

Holding Company: A company that confines its activities to owning stock in, and supervising management of, other companies. The Securities and Exchange Commission, as administrator of the Public Utility Holding Company Act of 1935, defines a holding company as "a company which directly or indirectly owns, controls or holds 10 percent or more of the outstanding voting securities of a holding company" (15 USC 79b, par. a (7)).

Internal Combustion Plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

Interruptible Gas: Gas sold to customers with a provision that permits curtailment or cessation of service at the discretion of the distributing company under certain circumstances, as specified in the service contract.

Light Oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: A brownish-black coal of low rank with high inherent moisture and volatile matter (used almost exclusively for electric power generation). It is also referred to as brown coal. Comprises two groups classified according to the following ASTM Specification D388-84 for calorific values on a moist material-matter-free basis:

	Limits Btu/lb.	
	GE	LT
Lignite A	6300	8300
Lignite B	-	6300

MMBtu: An abbreviation for 1 million British thermal units, which is an energy or heating value measurement that is normally used for petroleum and gas applications.

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

MMcf: One million cubic feet.

Natural Gas: A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in porous geological formations beneath the earth's surface, often in association with petroleum. The principal constituent is methane.

Net Summer Capability: The steady hourly output, which generating equipment is expected to supply to system load exclusive of auxiliary power, as demonstrated by tests at the time of summer peak demand.

No. 2 Fuel Oil: A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 for this grade distillation specifies temperatures at the 90-percent point of between 540 degrees and 640 degrees Fahrenheit, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees Fahrenheit.

No. 4 Fuel Oil: A fuel oil for commercial burner installations not equipped with preheating facilities; used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conform to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees Fahrenheit. Also included is No. 4-D, a fuel oil for low-speed and medium-speed diesel engines that conform to ASTM Specification D975.

Off-Peak Gas: Gas that is to be delivered and taken on demand when demand is not at its peak.

Other Gas: Includes manufactured gas, coke-oven gas, blast-furnace gas, and refinery gas. Manufactured gas is obtained by distillation of coal, by the thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke.

Percent Difference: The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

Petroleum: A mixture of hydrocarbons existing in the liquid state found in natural underground reservoirs, often associated with gas. Petroleum includes fuel oil No. 2, No. 4, No. 5, No. 6; topped crude; Kerosene; and jet fuel.

Petroleum Coke: See Coke (Petroleum).

Petroleum (Crude Oil): A naturally occurring, oily, flammable liquid composed principally of hydrocarbons. Crude oil is occasionally found in

springs or pools but usually is drilled from wells beneath the earth's surface.

Plant: A facility at which are located prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy. A plant may contain more than one type of prime mover. Electric utility plants exclude facilities that satisfy the definition of a qualifying facility under the Public Utility Regulatory Policies Act of 1978.

Price: The amount of money or consideration-in-kind for which a service is bought, sold, or offered for sale.

Prime Mover: The motive force, i.e., steam, engine, turbine, or water that drives an electric generator.

Receipts: Deliveries of fuel to an electric plant.

Residual Fuel Oil: The topped crude of refinery operation, includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C; Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77); and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include imported crude oil burned as fuel.

Restricted-Universe Census: This is the complete enumeration of data from a specifically defined subset of entities including, for example, those that exceed a given level of sales or generator nameplate capacity.

Short Ton: A unit of weight equal to 2,000 pounds.

Spot Purchases: A single shipment of fuel or volumes of fuel, purchased for delivery within 1 year. Spot purchases are often made by a user to fulfill a certain portion of energy requirements, to meet unanticipated energy needs, or to take advantage of low-fuel prices.

Steam-Electric Plant (Conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Stocks (Fuel): A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or at separate storage sites.

Subbituminous Coal: Subbituminous coal, or black lignite, is dull black and generally contains 20 to 30 percent moisture. The heat content of subbituminous coal ranges from 16 to 24 million Btu per ton as received and averages about 18 million Btu per ton. Subbituminous coal, mined in the western coal fields, is used for generating electricity and space heating.

Sulfur: One of the elements present in varying quantities in coal which contributes to environmental degradation when coal is burned. In terms of sulfur content by weight, coal is generally classified as low (less than or equal to 1 percent), medium (greater than 1 percent and less than or equal to 3 percent), and high (greater than 3 percent). Sulfur content is measured as a percent by weight of coal on an "as received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Surface Mine: A coal-producing mine that is usually within a few hundred feet of the surface. Earth above or around the coal (overburden) is removed to expose the coalbed, which is then mined with surface excavation equipment such as draglines, power shovels, bulldozers, loaders, and augers. It may also be known as an area, contour, open-pit, strip, or auger mine.

System (Electric): Physically connected generation, transmission, and distribution facilities operated as an integrated unit under one central management, or operating supervision.

Turbine: A machine for generating rotary mechanical power from the energy of a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Underground Mine: A mine where coal is produced by tunneling into the earth to the coalbed, which is then mined with underground mining equipment such as cutting machines and continuous, longwall, and shortwall mining machines. Underground mines are classified according to the type of opening used to reach the coal, i.e., drift (level tunnel), slope (inclined tunnel), or shaft (vertical tunnel).

Unit Train: A train consisting of approximately 100 to 110 hundred-ton coal cars that is dedicated solely to transporting coal from a specified loading facility to a specified customer.

Watt: The electrical unit of power. The rate of energy transfer equivalent to 1 ampere flowing under a pressure of 1 volt at unity power factor.

Watthour (Wh): An electrical energy unit of measure equal to 1 watt of power supplied to, or taken from, an electric circuit steadily for 1 hour.