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Cost and Quality of Fuels for Electric Utility Plants 1998 Tables

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

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Preface

Background

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

Coverage of Sources

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

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

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Utility Fossil Fuel Receipts and Costs - Year in Review

In 1998, final data show that electric generating plants owned by electric utilities received 929 million short tons of coal, 165 million barrels of petroleum products, and 2,923 billion cubic feet (Bcf) of gas at a total delivered cost of $33 billion.[1] Coal accounted for 82.5 percent of total Btu content of fossil fuels delivered in 1998, while gas and petroleum accounted for 13 and 4.5 percent, respectively. The average cost of fossil fuels delivered to these plants in 1998 was $1.44 per million Btu, the lowest annual cost since 1978. (Due to restructuring of the electric power industry, several generating plants owned and operated by electric utilities were sold in 1998 to nonutility power producers and reclassified as nonutility generating plants. At the completion of the sale, these plants were no longer required to file receipt and cost data on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and generation, consumption, and stock data on the Energy Information Administration (EIA) Form 759, "Monthly Power Plant Report." Therefore, the 1998 databases for these two surveys include only partial reporting of monthly data by these generating plants. The 1997 databases include a full year of monthly data. A list of plants sold during 1998 can be found in the *Electric Power Monthly*.

Electric utility plants received a record 929 million short tons of coal in 1998, up from 881 million short tons received in 1997. This increase was primarily due to record demand for coal-fired generation, and to the rebuilding of coal stocks as they relate to the resumption of coal deliveries via the Union Pacific Railroad to near normal levels from the reduced levels of 1997. Factors that either directly or indirectly limited coal receipts included the sale of eight coal-fired electric utility plants, and near record nuclear generation.

In 1998, coal-fired generation totaled a record 1,807 terawatthours (TWh),[2] up 1 percent from the 1,788 TWh reported in 1997. Likewise, coal consumption totaled a record 911 million short tons, up from 900 million short tons in 1997. This ultimately led to an increase in coal receipts at electric utilities. Contributing to record coal-fired generation and demand for coal was a strong economy (indicated in-part by record electricity sales to the industrial sector), a decrease in hydroelectric generation, and warmer-than-normal summer weather. Hydroelectric generation, which typically displaces fossil-fired generation, fell 10 percent from 1997 levels. The above-normal summer temperatures resulted in record coal-fired generation for June, July, and August. Coal consumption during this period was at an all-time high of 253 million short tons while receipts of coal totaled a record 238 million short tons. August set a monthly record for coal receipts at 82 million short tons. According to data from the National Oceanic and Atmospheric Administration (NOAA), the summer of 1998 was the ninth warmest since record keeping began in 1895.[3]

The return to near normal coal deliveries via the Union Pacific Railroad (UPRR) was also a positive factor for coal receipts in 1998. During the second half of 1997, operational problems on the UPRR resulted in rail congestion and negatively impacted receipts of coal to the West North Central and West South Central Census divisions. Receipts of contracted coal at some plants were so far behind schedule that some electric utilities had to reduce coal-burn in order to conserve stocks. By mid 1998, through the combination of UPRR having solved many of their problems and the cooperation and help of other railroads, coal deliveries and stocks returned to near normal levels. In fact, end-of-year stocks levels in the West North Central and West South Central Census divisions were above the 1997 end-of-year levels by 32 and 30 percent, respectively. Nationwide, end-of-year stocks of coal were 121 million short tons, up from 99 million short tons at the end of 1997. Much higher levels of stocks (for the most part unrelated to improvements on the UPRR) are also notable in the East North Central and South Atlantic Census divisions. Combined, these two Census divisions accounted for an 11-million-short-ton increase in stocks. Also contributing to an increase in end-of-year stocks at the National level was the second warmest autumn on record since 1895.[4] The above normal autumn temperatures that reduced heating loads, coupled with consistently high levels of nuclear generation during the

[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 all coal and approximately 90 percent of the petroleum and gas delivered to electric utilities. It does not include any data on fuel receipts and costs at nonutility generating plants.

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

[3] National Oceanic and Atmospheric Administration, National Climatic Data Center, extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1998/aug/ aug98.html on April 6, 1999.

[4] U.S. Department of Agriculture, Weekly Weather and Crop Bulletin (January 20, 1999).

September through November period, reduced demand for coal-fired generation.

The sale of eight electric plants in 1998 also affected end-of-year stock data. Had these plants reported end-of-year stocks in 1998, and if these stocks had been reported at 1997 end-of-year levels, total coal stocks would have increased by an additional 1.5 million short tons. Overall, the reported 22-million-short-ton increase in stocks was a factor in electric utilities receiving record coal receipts in 1998.

The sale of eight electric utility plants and their reclassification as nonutility plants reduced coal receipts in 1998. These eight plants include State Line (Commonwealth Edison Company of Indiana), Kincaid (Commonwealth Edison Company), Coleman, Green, Reid-Henderson, and Wilson (Big Rivers Electric Corporation), and Brayton Point and Salem Harbor (New England Power Company). Receipts of fuel were reported for these plants on FERC Form 423 until the month the sale became official and the facility was reclassified as a nonutility generating plant. If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, total receipts would have increased by an additional 6.5 million short tons.

Continuing the downward trend of the past 12 years, the average delivered cost of coal decreased to $1.25 per million Btu, down from the $1.27 per million Btu in 1997.[5] Contributing to this lower cost of coal were the continuing expiration, renegotiation, and buyouts of older, high-priced contracts, improved efficiency in coal production and transportation, increased use of low-cost western coal, and, to some extent, excess production capacity. The average cost of coal delivered under contract in 1998 was $1.27 per million Btu, down from $1.29 per million Btu in 1997. Coal purchased on the spot-market (contracts of less than one year duration) decreased to $1.20 per million Btu, down from the $1.21 per million Btu in 1997.

The average sulfur content (measured as percent sulfur by weight) of coal delivered in 1998 was 1.06 percent, down from 1.11 percent in 1997. The average Btu content of coal was 10,241 per pound, down from 10,275 per pound in 1997. Over the past several years, the average sulfur and Btu content of coal have been trending downward as electric utilities have increased their use of low-sulfur, low-Btu western coal from the Powder River Basin (PRB) of Montana and Wyoming. Receipts of coal from the PRB totaled 301 million short tons versus 294 million shorts tons in 1997. The Western region was the origin for a record 430 million short tons (46 percent of all coal receipts), up from 390 million short tons (44 percent) in 1997. Receipts of coal from Wyoming totaled 305 million short tons, up 35 million short tons or 13 percent from 1997. Receipts of coal from Montana rose 2 million short tons to reach the 40-million-short-ton level. Receipts of coal from the Appalachian region totaled 318 million short tons versus 308 million in 1997. Coal receipts from Pennsylvania rose 5 million short tons to reach 58 million short tons. This was the largest volume change of any coal producing State in the Appalachian region. Receipts of coal (excluding lignite) from the Interior region totaled 99 million short tons, down from 100 million in 1997. The largest change in volume occurred in Indiana, which shipped an additional 3 million short tons to electric utilities in 1998. Receipts of lignite from Louisiana, Montana, North Dakota, and Texas remained unchanged at 77 million short tons. Wyoming ranked highest among coal producing States with 305 million short tons of coal delivered to electric utilities. Kentucky and West Virginia were ranked second and third with 120 million short tons and 106 million short tons, respectively. Imports of coal rose to 6 million short tons, up from 5 million short tons in 1997. The origin for most imported coal was Colombia and Venezuela. Electric utilities receiving at minimum 500,000 short tons of imported coal include Jacksonville Electric Authority, New England Power Company, Central Hudson Gas & Electric Company, and Tampa Electric Company.

Petroleum. Receipts of petroleum at electric utilities totaled 165 million barrels, up from 118 million barrels received in 1997. This was the third consecutive yearly increase and the highest level reported since 1991. The increase in 1998 was primarily fueled by a substantial decrease in the cost of crude oil and related products. Receipts to the South Atlantic Census division soared to 75 million barrels or 45 percent of all receipts, up from 45 million barrels and 38 percent in 1997. Receipts of petroleum to Florida were the highest of any State at 60 million barrels, up from 38 million in 1997. Contributing to the increase was the low-cost of Number 6 fuel oil which made it attractive for baseload generation, and the fact that, Florida endured its warmest summer on record, according to NOAA. This contributed to record electric generation and higher demand for heavy fuel oil. Receipts to the Middle Atlantic Census division rose to 32 million barrels, up from 19 million barrels in 1997. Electric plants in New York, which are still dependant on petroleum as a baseload fuel, received 23 million barrels.

Receipts to the New England Census division totaled 36 million barrels, down approximately 0.6 million barrels from 1997 levels. This decrease in receipts was primarily due to the sale of the Mystic (Boston Edison Company) and Salem Harbor (New England Power Company) generating stations, and to some degree, higher nuclear generation. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, total petroleum receipts to the New England Census division would have increased by an additional 6 million barrels.) The sale of electric plants was not a significant factor affecting petroleum receipts and consumption in other Census divisions. Combined, the New England, Middle Atlantic, and South Atlantic

[5] 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.

Census divisions accounted for 86 percent of all petroleum receipts, up from 85 percent in 1997.

Petroleum coke receipts at electric utilities totaled 3 million short tons, up from 2 million short tons in 1997. The Jacksonville Electric Authority received nearly 873,000 short tons, up from 630,000 short tons in 1997. Northern States Power Company, Pennsylvania Power & Light Company, and Seminole Electric Cooperative also received substantial quantities of this fuel. Petroleum coke is gaining more acceptance at electric utilities due to its high Btu content and low-cost per million Btu. The average delivered cost of petroleum coke was $0.71 per million Btu, compared to $0.91 in 1997. A negative factor associated with this fuel is its high sulfur content which ranges between 4 and 6 percent. Petroleum coke is usually blended with a higher percentage of lower sulfur coal before it is burned in the boiler.

In 1998, the average cost of petroleum delivered to electric utilities was $2.14 per million Btu compared with $2.88 per million Btu in 1997. This was the lowest average annual cost since 1976. In December, the average cost fell to $1.84 per million Btu, the lowest monthly cost since January 1974. A worldwide supply/demand imbalance in crude oil was responsible for a substantial decrease in petroleum-product prices. The magnitude of the decline can be seen in the refiner acquisition cost of crude oil which fell from $19.04 per barrel in 1997 to $12.57 per barrel in 1998, its lowest level since 1978.[6] The average cost of Number 2 fuel oil was $3.30 per million Btu, down from $4.49 per million Btu reported in 1997. This fuel is used primarily for start-up and flame stabilization at steam-electric plants. The average cost of heavy fuel oil (Number 4, 5, and 6 fuel oil) was $2.08 per million Btu, compared to $2.79 per million Btu in 1997. The decrease in petroleum costs resulted in the annual average delivered cost of heavy oil being less expensive than natural gas for the first time since 1993, and only the second time since data collection began in 1972. This is important when considering the capability of many electric plants to burn the least expensive of the two fuels.

Gas. Receipts of gas to electric utilities totaled 2,923 billion cubic feet (Bcf), up from 2,765 Bcf reported in 1997. The sale of several electric plants and their reclassification to nonutility status affected receipts in 1998. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, gas receipts in 1998 would have totaled approximately 3,100 Bcf.) The average cost of gas was $2.38 per million Btu, down from $2.76 reported in 1997. Receipts to the West South Central Census division rose by 266 Bcf with Texas accounting for 192 Bcf of the increase. The substantial rise in gas receipts and consumption in Texas was mainly due to the State experiencing its warmest April through July period on record.[7] On the other hand, California reported gas receipts of 267 Bcf, down from 375 Bcf in 1997. This was due to the sale and reclassification to nonutility status of several gas-fired electric plants owned by Pacific Gas & Electric Company and Southern California Edison Company. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, gas receipts to California in 1998 would have totaled approximately 410 Bcf.) One might expect that the 13-TWh increase in generation from hydroelectric and nuclear plants in California might have displaced gas-fired generation (and receipts) in 1998. However, a substantial decrease in hydroelectric generation in both Oregon and Washington reduced exports of electricity from these States into California. Therefore, California needed to generate more of its own electricity requirements.

Receipts of gas to the New England Census division totaled 47 Bcf, down from 95 Bcf in 1997. Receipts were affected by the sale and reclassification of the Manchester Street plant owned by New England Power Company and the New Boston and Mystic plants owned by the Boston Edison Company. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, total gas receipts to the New England Census division in 1998 would have increased by an additional 32 Bcf. However, a 32-percent increase in nuclear generation coupled with petroleum costs that were substantially below the cost of natural gas would have limited the use of gas at these plants in 1998.)

In the South Atlantic Census Division, receipts of gas were 285 Bcf, down from 311 Bcf reported in 1997. Receipts of gas to Florida decreased 35 Bcf, due in-part to competition from low-cost heavy fuel oil. Several plants, especially those that are operated by Florida Power & Light Company (FP&L), can switch between petroleum and gas in order to burn the least expensive fuel. FP&L received 190 Bcf of gas, down from 222 Bcf in 1997, while petroleum receipts rose from 25 million barrels to 41 million barrels. The average cost of gas for FP&L was $2.76 per million Btu compared to $2.08 per million Btu for petroleum.

Hydro and Nuclear Generation Effects on Fossil-Fuel Requirements.

Hydroelectric generation totaled 304 TWh, down 10 percent from a record 337 TWh generated in 1997. However, 1998 was the third consecutive year that generation topped the 300-TWh level, something that has not happened since the years l982 through 1984. Since hydroelectric generation is the lowest cost power to generate, it does displace the use of fossil-fuels by electric utilities. This is especially important in the Pacific Contiguous Census division where more than one-half of the Nations' hydropower is generated. In 1998, hydroelectric generation in California rose by 23 percent due to higher-than-normal levels of precipitation and to an April 1998 snowpack in the Sierra

[6] Energy Information Administration, Monthly Energy Review (MER), DOE/EIA-0035(99/03) (Washington, DC, March 1999), Table 9.1.

[7] National Oceanic and Atmospheric Administration, National Climatic Data Center; extracted from the Internet at http://www.ncdc.noaa.gov/ol/climate/research/1998/aug/aug98.html on April 7, 1999.

Nevada mountains that was more than 130 percent above normal. This compares with very little snowpack in 1997.[8] (The snowpack and subsequent melting are very important to help maintain streamflow and reservoir levels into the summer months). To the north, both Oregon and Washington began 1998 with a mountain snowpack that was considerably below the level of January 1, 1997. By April 1, 1998, the snowpack in the Columbia River Basin was only 81 percent of normal as compared to nearly 140 percent of normal on April 1, 1997.[9] This was the primary reason for Oregon and Washington reporting decreases in hydroelectric generation of 15 and 23 percent, respectively. The net result for the Pacific Contiguous Census division was an 11-percent decrease in hydroelectric generation from 1997. The availability of hydroelectric generation in the Pacific Northwest is reflected in the activity of the coal-fired Boardman plant, owned by Oregon-based Portland General Electric Company. The amount of generation produced by Boardman is directly dependant on the availability of hydroelectric power. The less hydroelectric power that is available in the region, the more Boardman is operated to produce electricity. This was evident in 1998 as coal receipts, consumption, and generation at Boardman more than doubled from the levels of 1997.

Though hydroelectric generation at the National level and, in particular, Oregon and Washington, showed a substantial decrease from 1997 levels, the Nation actually recorded its fifth wettest year on record compared to the forty-fourth wettest in 1997.[10] The Northwest Region, the NOAA region that includes Idaho, Oregon, and Washington, actually had its sixth wettest year on record in 1998 as compared with its sixteenth wettest in 1997. However, the seasonal distribution and variation of precipitation in 1998, coupled with below normal levels of snowpack in the Pacific Northwest at the start of the year, was not as favorable for hydroelectric generation as it was in 1997. As for the remainder of the Nation, all Census divisions, except the South Atlantic Census division, reported decreases in hydroelectric generation. In addition to Oregon and Washington, other States with significant hydroelectric generating capacity that also reported decreases in hydroelectric generation included Alabama, Arizona, Idaho, Montana, New York, and South Dakota.

Nuclear generation was also an important factor affecting fossil-fuel use by electric utilities. In 1998, nuclear generation totaled 674 TWh, 7 percent higher than the 629 TWh produced in 1997. This was just shy of the record 675 TWh of nuclear generation produced in 1996. The annual capacity factor[11] for nuclear plants was 78 percent compared with 71 percent in 1997. This was the highest annual capacity factor for nuclear plants since data collection began in 1973.[12] The December 1998 capacity factor was an impressive 87 percent. This has major implications on the fossil-fuel requirements of electric utilities due to the fact that like hydroelectric power, nuclear generation also displaces fossil-fired generation. (Based on national level consumption and generation data presented in the Electric Power Monthly, and assuming a net summer nuclear capability of 99,000 megawatts, a 1-percent increase in the annual nuclear plant capacity factor (equivalent to 8,672,400 megawatthours (MWh)[13] of additional nuclear generation) translates into a reduction in annual consumption of either 4.4 million short tons of coal,[14] 14 million barrels of petroleum, or 92 billion cubic feet of gas, or most likely, a combination of each.)

The New England Census division reported a 26-percent increase in nuclear generation, the largest percentage change for any Census division. This, coupled with the sale of electric plants, contributed to a decrease in reported coal use in New England. The South Atlantic Census division had the largest volume increase at nearly 20 TWh. Among States reporting large increases in nuclear generation were California, Connecticut, Florida, Illinois, Louisiana, New Jersey, North Carolina, South Carolina, and Wisconsin. New Jersey reported the largest volume increase in nuclear generation at 13 TWh. This was due to a substantial increase in generation from the Salem nuclear plant (Public Service Electric & Gas Company). Florida was helped by a 36-percent or 8-TWh increase in nuclear generation. This was primarily due to the return to service of the Crystal River nuclear unit #3, operated by Florida Power Corporation. Large declines in nuclear generation were reported in Michigan and Pennsylvania, primarily due to a year-long outage at Indiana-Michigan Power Company's Cook nuclear facility, and to an extended outage at the Duquesne Light Company's Beaver Valley nuclear facility. Three nuclear units were decommissioned during 1998. The shutdown of the Zion 1 and 2 (Commonwealth Edison Company), and Millstone 1 (Northeast Utilities) had little affect on year-to-year changes in the data since each had been out of service for most of 1997 and 1998.

[8] United States Department of Agriculture, Natural Resource Conservation Service; National Water and Climate Center; extracted from the Internet at http://www.wcc.nrcs.usda.gov/wcc. html on March 19, 1999.

[9] Ibid.

[10] U.S. Department of Agriculture, Weekly Weather and Crop Bulletin, January 20, 1999 and January 13, 1998.

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

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

[13] This number is derived by multiplying 99,000 megawatts of summer capability by 8,760 hours (number of hours in a year). The result is then multiplied by 0.01 (1 percent). A one percent change equals 8,672,400 MWh.

[14] This calculation is based on a simple ratio of 1998 national level data. If the consumption of 911 million short tons of coal (see Table 14 of the April 1999 Electric Power Monthly) produces 1,807,480,000 MWh of generation (see Table 4 of the April 1999 Electric Power Monthly), then it should take 4.4 million short tons of coal to produce 8,672,400 MWh of generation.

Table ES3. Average Quality of Coal by State of Origin, 1997-1998

State of Origin	Btu (per pound)		Sulfur (percent by weight)		Sulfur (pounds per MM Btu)		Ash (percent by weight)	
	1998	1997	1998	1997	1998	1997	1998	1997
Alabama	12,348	12,275	1.11	1.13	0.90	0.92	12.15	12.35
Arizona	10,948	10,940	.53	.53	.48	.49	9.64	9.69
Colorado	10,994	10,894	.46	.45	.42	.41	8.55	8.56
Illinois	11,345	11,261	2.23	2.30	1.96	2.04	8.89	8.98
Indiana	11,043	11,060	2.30	2.30	2.09	2.08	9.31	9.36
Kansas	10,931	11,264	4.08	3.81	3.73	3.38	19.33	17.17
Kentucky	12,214	12,179	1.56	1.67	1.28	1.37	10.46	10.49
Louisiana	6,764	6,861	.89	1.10	1.32	1.60	14.25	12.05
Maryland	12,350	12,457	1.66	1.65	1.35	1.32	14.54	14.04
Missouri	11,105	10,881	3.23	3.60	2.90	3.31	14.98	15.34
Montana	9,016	9,015	.53	.54	.59	.60	6.74	6.71
New Mexico	9,351	9,354	.70	.71	.75	.75	19.80	19.68
North Dakota	6,562	6,550	.76	.77	1.16	1.17	9.11	9.40
Ohio	11,752	11,819	3.54	3.52	3.01	2.98	10.93	10.77
Oklahoma	12,664	12,544	3.50	3.03	2.76	2.42	10.48	9.73
Pennsylvania	12,612	12,536	1.81	1.82	1.43	1.45	11.04	11.55
Tennessee	12,433	12,531	1.29	1.15	1.04	.91	10.53	10.45
Texas	6,405	6,417	1.04	1.07	1.63	1.66	16.09	15.92
Utah	11,520	11,548	.47	.49	.40	.42	10.59	10.39
Virginia	12,865	12,849	.99	1.08	.77	.84	9.73	10.26
Washington	7,849	7,931	.67	.64	.85	.81	14.69	14.48
West Virginia	12,351	12,385	1.52	1.48	1.23	1.19	11.50	11.44
Wyoming	8,667	8,666	.34	.35	.39	.40	5.26	5.29
Subtotal	**10,230**	**10,266**	**1.07**	**1.11**	**1.04**	**1.09**	**9.21**	**9.38**
Imported	11,967	11,848	.61	.68	.51	.57	5.67	5.81
Total	**10,241**	**10,275**	**1.06**	**1.11**	**1.04**	**1.08**	**9.18**	**9.36**

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

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

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Table ES4. Receipts of Coal by Rank, 1994-1998

Rank	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per Million Btu)	(dollars per short ton)
1998							
Anthracite[1]	511	7,479	0.55	0.74	37.6	90.1	13.47
Bituminous	478,252	12,033	1.61	1.34	10.5	134.6	32.38
Subbituminous	373,496	8,728	.38	.44	6.6	113.3	19.79
Lignite	77,189	6,471	.95	1.46	13.8	94.3	12.20
Total	**929,448**	**10,241**	**1.06**	**1.04**	**9.18**	**125.2**	**25.64**
1997							
Anthracite[1]	751	7,511	.53	.71	36.7	102.5	15.39
Bituminous	466,104	12,017	1.65	1.38	10.5	135.0	32.45
Subbituminous	336,805	8,737	.40	.45	6.7	118.5	20.71
Lignite	76,928	6,478	.98	1.51	13.8	92.6	12.00
Total	**880,588**	**10,275**	**1.11**	**1.08**	**9.36**	**127.3**	**26.16**
1996							
Anthracite[1]	735	7,180	.52	.73	37.7	110.0	15.79
Bituminous	454,814	12,027	1.64	1.37	10.3	136.6	32.86
Subbituminous	328,874	8,724	.39	.45	6.6	120.4	21.02
Lignite	78,278	6,503	.92	1.41	13.6	93.6	12.17
Total	**862,701**	**10,263**	**1.10**	**1.07**	**9.22**	**128.9**	**26.45**
1995							
Anthracite[1]	857	7,286	.53	.72	37.4	101.2	14.74
Bituminous	432,586	12,063	1.60	1.33	10.2	140.3	33.85
Subbituminous	316,195	8,710	.39	.45	6.7	122.3	21.31
Lignite	77,222	6,407	.99	1.54	14.0	94.9	12.16
Total	**826,860**	**10,248**	**1.08**	**1.05**	**9.23**	**131.8**	**27.01**
1994							
Anthracite[1]	689	7,340	.56	.77	36.8	101.4	14.89
Bituminous	456,733	12,056	1.69	1.41	10.1	144.7	34.89
Subbituminous	295,752	8,738	.41	.47	6.9	123.8	21.64
Lignite	78,756	6,409	.94	1.47	13.8	96.1	12.32
Total	**831,929**	**10,338**	**1.17**	**1.13**	**9.36**	**135.5**	**28.03**

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

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

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

Fossil-Fuel Data at the Census Division and State Level

Table 1. Receipts of Coal by Census Division and State, 1994-1998

(Thousand Short Tons)

Census Division and State	1998	1997	1996	1995	1994
New England	**5,538**	**7,125**	**6,947**	**6,072**	**6,245**
Connecticut	657	952	931	841	863
Maine	—	—	—	—	—
Massachusetts	3,473	4,545	4,693	3,859	4,127
New Hampshire	1,408	1,628	1,324	1,372	1,255
Rhode Island	—	—	—	—	—
Vermont	—	—	—	—	—
Middle Atlantic	**55,557**	**54,185**	**51,066**	**48,188**	**49,187**
New Jersey	2,312	2,087	2,412	2,160	2,115
New York	9,296	8,277	7,896	7,575	8,244
Pennsylvania	43,948	43,821	40,759	38,453	38,828
East North Central	**208,745**	**202,401**	**194,371**	**184,018**	**186,864**
Illinois	39,867	40,750	37,441	33,905	32,936
Indiana	57,091	53,353	51,680	49,676	53,540
Michigan	34,906	32,145	30,177	31,214	31,435
Ohio	53,442	52,743	52,268	47,768	49,311
Wisconsin	23,438	23,410	22,804	21,456	19,641
West North Central	**134,443**	**120,150**	**121,696**	**117,821**	**114,255**
Iowa	21,657	16,675	18,116	18,095	17,005
Kansas	18,445	16,672	17,950	17,812	17,653
Minnesota	17,915	17,591	16,744	16,862	17,770
Missouri	38,589	33,553	33,718	30,819	27,250
Nebraska	11,940	10,638	10,275	10,063	8,894
North Dakota	24,199	23,087	23,586	22,294	23,366
South Dakota	1,699	1,934	1,307	1,877	2,317
South Atlantic	**159,850**	**149,311**	**146,322**	**132,902**	**138,382**
Delaware	1,744	1,682	1,745	1,720	2,284
District of Columbia	—	—	—	—	—
Florida	27,904	27,595	26,700	24,202	24,948
Georgia	31,748	28,346	28,870	28,490	28,761
Maryland	10,845	10,139	10,949	9,901	9,623
North Carolina	27,818	26,151	24,646	19,792	21,330
South Carolina	12,945	11,835	10,951	9,771	11,188
Virginia	12,716	11,930	11,024	8,624	9,270
West Virginia	34,130	31,633	31,438	30,402	30,978
East South Central	**100,791**	**102,352**	**96,969**	**93,394**	**89,150**
Alabama	30,920	30,378	29,510	28,131	27,160
Kentucky	36,962	39,550	38,383	36,891	36,301
Mississippi	5,886	6,043	5,428	4,271	4,299
Tennessee	27,023	26,381	23,649	24,100	21,389
West South Central	**144,195**	**135,858**	**141,043**	**136,806**	**131,655**
Arkansas	14,173	11,879	14,736	14,082	11,847
Louisiana	14,043	13,167	12,504	13,409	13,408
Oklahoma	19,747	18,378	19,571	19,713	17,191
Texas	96,231	92,435	94,232	89,602	89,210
Mountain	**112,208**	**103,539**	**98,869**	**101,149**	**107,799**
Arizona	18,826	16,788	15,027	15,762	18,427
Colorado	18,061	16,711	16,416	16,503	16,242
Idaho	—	—	—	—	—
Montana	10,520	9,160	7,877	9,313	10,310
Nevada	8,035	6,851	7,304	7,422	7,627
New Mexico	15,841	15,775	15,003	14,671	15,316
Utah	14,896	15,053	13,695	13,524	14,253
Wyoming	26,029	23,201	23,547	23,955	25,624
Pacific Contiguous	**8,120**	**5,667**	**5,418**	**6,510**	**8,394**
California	—	—	—	—	—
Oregon	2,014	875	838	1,200	2,223
Washington	6,106	4,792	4,580	5,310	6,171
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—
Hawaii	—	—	—	—	—
Total	**929,448**	**880,588**	**862,701**	**826,860**	**831,929**

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

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

Table 2. Average Delivered Cost of Coal by Census Division and State, 1994-1998

Census Division and State	1998	1997	1996	1995	1994	1998	1997	1996	1995	1994
	(cents per million Btu)					(dollars per short ton)				
New England	**167.6**	**171.2**	**170.2**	**168.7**	**166.0**	**42.94**	**43.67**	**43.55**	**43.34**	**42.81**
Connecticut	181.1	190.5	191.0	188.1	177.4	47.59	50.02	50.05	49.33	46.45
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	167.6	169.9	168.8	167.9	167.8	42.30	42.72	42.64	42.63	43.00
New Hampshire	161.2	163.2	160.6	158.9	152.2	42.35	42.62	42.23	41.67	39.66
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**137.6**	**138.3**	**140.8**	**138.8**	**145.2**	**34.33**	**34.39**	**35.08**	**34.63**	**36.33**
New Jersey	159.0	175.6	175.2	177.6	181.7	41.71	45.94	45.53	47.17	48.49
New York	143.4	142.4	142.8	141.2	145.2	37.44	37.32	37.15	36.86	37.63
Pennsylvania	135.0	135.5	138.2	135.9	143.1	33.28	33.28	34.06	33.48	35.39
East North Central	**129.9**	**130.7**	**133.3**	**139.0**	**141.0**	**27.51**	**27.68**	**28.29**	**29.67**	**30.56**
Illinois	155.7	155.4	162.7	163.4	160.6	30.22	30.41	32.14	32.58	32.69
Indiana	112.3	116.4	119.1	125.5	127.2	23.63	24.35	24.67	25.94	26.79
Michigan	133.4	136.9	139.7	144.9	150.6	28.19	28.93	29.34	30.95	32.90
Ohio	136.5	132.1	134.0	142.0	143.9	32.52	31.41	32.31	34.44	34.70
Wisconsin	107.4	109.0	106.0	113.5	120.9	19.97	20.43	19.55	21.23	23.13
West North Central	**88.9**	**91.7**	**92.1**	**95.7**	**98.8**	**14.91**	**15.39**	**15.53**	**16.10**	**16.76**
Iowa	87.6	93.7	94.1	98.7	99.0	15.12	16.23	16.30	17.13	17.39
Kansas	98.1	102.1	99.2	102.1	102.5	17.06	17.91	17.51	17.83	17.85
Minnesota	106.9	109.5	106.6	114.0	113.9	19.00	19.47	18.99	20.12	20.09
Missouri	91.7	93.4	95.5	98.4	110.1	16.40	16.80	17.31	18.14	21.39
Nebraska	58.6	58.5	71.9	74.8	76.5	10.07	10.06	12.37	12.86	13.11
North Dakota	76.2	77.8	73.7	73.3	70.4	10.01	10.21	9.72	9.65	9.28
South Dakota	92.7	92.0	93.7	102.9	108.3	16.19	15.99	16.94	14.35	13.10
South Atlantic[1]	**144.7**	**147.6**	**149.3**	**155.2**	**159.9**	**35.58**	**36.34**	**36.68**	**38.25**	**39.53**
Delaware	156.3	157.1	159.4	161.5	162.0	40.52	41.05	41.51	42.27	41.98
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida[1]	164.8	172.5	173.9	178.6	177.8	40.03	41.82	42.40	43.93	43.71
Georgia	154.5	158.6	157.8	166.8	169.1	36.31	37.28	36.54	38.62	39.82
Maryland	145.7	150.0	149.4	150.4	155.3	37.63	38.75	38.49	39.00	39.84
North Carolina	143.8	142.9	148.4	162.8	168.2	35.66	35.35	36.87	40.57	41.77
South Carolina	144.7	144.7	147.1	151.2	156.0	37.05	37.21	37.54	38.86	39.84
Virginia	137.8	139.3	141.8	144.8	145.0	34.73	34.98	35.73	36.90	37.05
West Virginia	122.2	123.7	124.9	127.3	139.2	30.06	30.68	30.93	31.61	34.70
East South Central[1]	**126.0**	**123.9**	**125.3**	**127.4**	**136.2**	**29.10**	**28.70**	**29.35**	**30.08**	**32.43**
Alabama[1]	157.5	153.6	154.3	156.0	167.2	36.28	35.58	36.39	37.00	40.42
Kentucky[1]	105.9	104.6	105.9	110.6	116.2	24.52	24.20	24.43	25.71	27.16
Mississippi	153.8	154.7	151.1	153.3	157.1	32.51	32.44	33.31	34.40	35.54
Tennessee[1]	112.5	112.5	114.6	115.2	125.6	26.39	26.67	27.64	27.94	30.61
West South Central	**123.4**	**126.7**	**129.1**	**133.6**	**134.8**	**19.34**	**19.69**	**20.13**	**20.66**	**20.79**
Arkansas	147.2	164.0	150.3	161.1	160.3	25.53	28.56	26.15	27.99	27.91
Louisiana	142.9	147.9	151.4	154.9	153.9	23.15	23.97	24.74	25.13	25.04
Oklahoma	91.0	91.8	97.6	99.4	102.0	15.74	15.87	16.79	17.00	17.50
Texas	123.9	125.9	129.5	133.7	135.0	18.61	18.69	19.26	19.65	19.84
Mountain	**107.3**	**110.7**	**112.0**	**110.4**	**111.9**	**20.83**	**21.52**	**21.82**	**21.51**	**21.83**
Arizona	133.1	142.5	144.4	139.4	137.4	27.12	28.95	29.55	28.65	28.26
Colorado	98.7	100.9	102.6	104.8	105.6	19.41	19.93	20.24	20.73	21.01
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	67.4	68.3	70.5	67.3	69.3	11.36	11.52	11.90	11.47	11.79
Nevada	129.8	139.2	136.6	131.0	143.3	29.07	31.10	30.44	29.02	32.37
New Mexico	130.6	133.6	142.8	141.7	140.9	23.72	24.23	26.04	25.59	25.48
Utah	114.8	111.3	107.1	109.4	113.6	25.97	25.22	24.66	25.27	26.10
Wyoming	78.6	80.6	82.0	81.8	80.3	13.83	14.16	14.30	14.29	14.09
Pacific Contiguous	**138.4**	**154.5**	**148.5**	**136.2**	**128.4**	**23.07**	**25.19**	**23.96**	**22.83**	**21.93**
California	—	—	—	—	—	—	—	—	—	—
Oregon	108.9	113.9	107.1	105.8	107.3	18.92	19.95	18.81	18.79	19.18
Washington	148.7	162.6	156.9	143.6	136.5	24.44	26.15	24.91	23.74	22.93
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**125.2**	**127.3**	**128.9**	**131.8**	**135.5**	**25.64**	**26.16**	**26.45**	**27.01**	**28.03**

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

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

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

Table 3. Receipts and Average Delivered Cost of Coal by Type of Purchase, Mine Type, Census Division and State, 1998

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	**4,453**	**168.2**	**43.08**	**1,086**	**165.2**	**42.34**	**1,860**	**163.2**	**40.99**	**3,678**	**169.8**	**43.93**
Connecticut	493	184.7	48.58	164	170.3	44.59	244	178.5	46.78	413	182.7	48.07
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	2,932	166.4	41.99	541	174.0	43.98	1,250	163.9	40.45	2,223	169.7	43.34
New Hampshire	1,028	165.0	43.57	381	150.8	39.05	366	150.5	38.95	1,042	164.9	43.54
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**45,136**	**141.1**	**35.32**	**10,421**	**122.0**	**30.05**	**15,216**	**123.7**	**29.86**	**40,341**	**142.6**	**36.02**
New Jersey	1,891	161.8	42.69	421	146.3	37.31	1,035	162.8	41.08	1,278	156.2	42.22
New York	7,897	143.8	37.76	1,399	141.3	35.66	331	130.1	29.23	8,966	143.9	37.75
Pennsylvania	35,348	139.3	34.38	8,601	117.5	28.78	13,850	120.5	29.03	30,098	141.5	35.24
East North Central	**156,617**	**135.7**	**28.31**	**52,129**	**113.5**	**25.13**	**146,946**	**127.6**	**25.57**	**61,799**	**134.4**	**32.13**
Illinois	34,093	162.2	31.46	5,775	117.6	22.85	25,272	170.7	30.90	14,596	134.1	29.03
Indiana	39,742	116.4	24.10	17,349	103.5	22.54	47,605	108.1	22.14	9,487	130.7	31.07
Michigan	26,271	135.0	27.44	8,635	129.3	30.46	27,402	133.5	26.46	7,505	133.1	34.50
Ohio	38,325	145.7	34.88	15,117	112.7	26.54	26,462	138.0	32.02	26,980	135.0	33.00
Wisconsin	18,186	104.2	19.00	5,252	117.3	23.33	20,206	98.9	17.32	3,232	143.7	36.53
West North Central	**110,045**	**88.5**	**14.68**	**24,398**	**90.7**	**15.99**	**130,400**	**87.3**	**14.47**	**4,043**	**127.3**	**29.12**
Iowa	15,927	87.3	15.06	5,730	88.4	15.31	20,299	84.6	14.30	1,358	120.5	27.49
Kansas	18,283	98.4	17.11	162	63.8	11.13	17,500	96.4	16.49	944	122.6	27.65
Minnesota	17,253	106.3	18.85	662	121.6	22.78	17,872	106.8	18.95	42	161.0	38.50
Missouri	23,249	90.4	16.18	15,340	93.7	16.72	36,933	89.2	15.73	1,656	135.0	31.21
Nebraska	9,436	56.0	9.66	2,504	68.9	11.59	11,897	58.4	10.02	42	109.6	23.64
North Dakota	24,199	76.2	10.01	*	55.6	7.79	24,199	76.2	10.01	—	—	—
South Dakota	1,699	92.7	16.19	—	—	—	1,699	92.7	16.19	—	—	—
South Atlantic[1]	**112,997**	**146.0**	**36.43**	**46,853**	**141.4**	**33.53**	**67,901**	**146.6**	**35.16**	**91,949**	**143.4**	**35.89**
Delaware	1,698	156.4	40.62	46	151.3	36.73	705	163.9	41.53	1,039	151.3	39.83
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida[1]	18,851	171.1	41.84	9,053	151.5	36.27	9,957	163.2	38.63	17,946	165.7	40.81
Georgia	15,589	158.9	39.91	16,159	149.7	32.84	20,896	148.3	33.58	10,851	165.3	41.57
Maryland	7,461	146.0	37.56	3,384	145.0	37.79	3,685	145.5	36.78	7,161	145.8	38.06
North Carolina	21,009	146.8	36.45	6,809	134.5	33.22	11,231	143.0	35.30	16,588	144.4	35.90
South Carolina	10,528	144.5	37.26	2,418	145.6	36.16	4,360	151.6	38.32	8,585	141.2	36.41
Virginia	8,509	138.6	34.91	4,207	136.2	34.37	5,077	140.1	35.53	7,639	136.2	34.20
West Virginia	29,353	124.6	30.73	4,778	106.8	25.96	11,990	134.1	32.72	22,140	115.8	28.62
East South Central[1]	**77,258**	**129.3**	**29.61**	**23,533**	**115.6**	**27.41**	**41,585**	**119.6**	**26.03**	**59,206**	**130.1**	**31.25**
Alabama[1]	26,231	162.1	36.92	4,689	133.4	32.70	12,789	140.9	29.48	18,131	167.5	41.07
Kentucky[1]	24,637	105.8	24.35	12,325	106.0	24.87	19,727	106.9	24.82	17,235	104.7	24.19
Mississippi	4,947	156.9	33.33	938	136.9	28.21	3,558	144.6	27.66	2,328	164.9	39.93
Tennessee[1]	21,443	111.0	25.86	5,580	117.8	28.44	5,511	105.3	21.30	21,512	114.0	27.70
West South Central	**133,396**	**123.5**	**19.17**	**10,799**	**122.2**	**21.36**	**144,172**	**123.4**	**19.33**	**23**	**151.6**	**36.20**
Arkansas	12,994	150.6	26.16	1,179	108.9	18.50	14,173	147.2	25.53	—	—	—
Louisiana	13,660	141.7	22.82	383	179.3	34.62	14,033	142.9	23.14	10	152.2	34.63
Oklahoma	19,115	91.1	15.79	632	85.9	14.38	19,747	91.0	15.74	—	—	—
Texas	87,627	123.9	18.30	8,605	123.7	21.68	96,219	123.9	18.60	12	151.1	37.49
Mountain	**105,028**	**108.1**	**20.93**	**7,180**	**95.1**	**19.28**	**89,944**	**104.7**	**19.47**	**22,265**	**115.8**	**26.32**
Arizona	16,408	135.8	27.90	2,417	113.8	21.82	18,619	132.4	26.94	207	190.1	42.92
Colorado	16,789	100.2	19.61	1,273	79.8	16.74	14,432	99.3	18.75	3,630	96.7	22.00
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	10,520	67.4	11.36	—	—	—	10,520	67.4	11.36	—	—	—
Nevada	6,791	131.8	29.35	1,244	119.1	27.59	4,503	125.6	27.36	3,532	134.9	31.26
New Mexico	15,841	130.6	23.72	—	—	—	15,841	130.6	23.72	—	—	—
Utah	14,678	115.1	26.02	218	96.0	22.94	—	—	—	14,896	114.8	25.97
Wyoming	24,001	79.9	13.95	2,028	65.1	12.38	26,029	78.6	13.83	—	—	—
Pacific Contiguous	**4,623**	**159.3**	**25.00**	**3,497**	**114.3**	**20.51**	**8,120**	**138.4**	**23.07**	**—**	**—**	**—**
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	2,014	108.9	18.92	2,014	108.9	18.92	—	—	—
Washington	4,623	159.3	25.00	1,483	121.2	22.68	6,106	148.7	24.44	—	—	—
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**749,553**	**126.5**	**25.50**	**179,895**	**119.8**	**26.21**	**646,144**	**118.6**	**22.24**	**283,304**	**136.7**	**33.38**

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

* = Number less than 0.5.

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

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

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Table 4. Receipts and Average Delivered Cost of Coal by Rank, Census Division, and State, 1998

Census Division and State	Bituminous[1]			Subbituminous			Lignite			Total		
	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)	Receipts (1,000 short tons)	Heat Value (Btu per pound)	Cost (cents per MM Btu)
New England	**5,538**	**12,810**	**167.6**	**—**	**—**	**—**	**—**	**—**	**—**	**5,538**	**12,810**	**167.6**
Connecticut	657	13,138	181.1	—	—	—	—	—	—	657	13,138	181.1
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,473	12,617	167.6	—	—	—	—	—	—	3,473	12,617	167.6
New Hampshire	1,408	13,133	161.2	—	—	—	—	—	—	1,408	13,133	161.2
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**55,557**	**12,478**	**137.6**	**—**	**—**	**—**	**—**	**—**	**—**	**55,557**	**12,478**	**137.6**
New Jersey	2,312	13,113	159.0	—	—	—	—	—	—	2,312	13,113	159.0
New York	9,296	13,052	143.4	—	—	—	—	—	—	9,296	13,052	143.4
Pennsylvania	43,948	12,323	135.0	—	—	—	—	—	—	43,948	12,323	135.0
East North Central	**128,425**	**11,697**	**129.9**	**80,320**	**8,819**	**130.0**	**—**	**—**	**—**	**208,745**	**10,589**	**129.9**
Illinois	17,860	10,832	128.8	22,008	8,782	182.7	—	—	—	39,867	9,700	155.7
Indiana	40,565	11,253	113.9	16,526	8,713	107.5	—	—	—	57,091	10,517	112.3
Michigan	14,089	12,705	143.6	20,817	9,114	123.8	—	—	—	34,906	10,563	133.4
Ohio	51,989	12,002	136.8	1,452	8,724	120.5	—	—	—	53,442	11,913	136.5
Wisconsin	3,922	12,569	144.9	19,516	8,642	96.4	—	—	—	23,438	9,299	107.4
West North Central	**6,366**	**11,188**	**122.8**	**103,939**	**8,640**	**88.5**	**24,138**	**6,562**	**76.2**	**134,443**	**8,388**	**88.9**
Iowa	1,512	11,364	120.6	20,146	8,431	84.2	—	—	—	21,657	8,636	87.6
Kansas	1,773	11,062	119.5	16,671	8,444	95.1	—	—	—	18,445	8,696	98.1
Minnesota	112	11,281	154.3	17,803	8,868	106.6	—	—	—	17,915	8,883	106.9
Missouri	2,936	11,175	124.8	35,653	8,754	88.2	—	—	—	38,589	8,938	91.7
Nebraska	34	10,774	113.3	11,906	8,578	58.5	—	—	—	11,940	8,584	58.6
North Dakota	—	—	—	61	8,226	77.5	24,138	6,562	76.2	24,199	6,566	76.2
South Dakota	—	—	—	1,699	8,728	92.7	—	—	—	1,699	8,728	92.7
South Atlantic[2]	**152,627**	**12,463**	**144.6**	**7,223**	**8,749**	**147.9**	**—**	**—**	**—**	**159,850**	**12,296**	**144.7**
Delaware	1,744	12,962	156.3	—	—	—	—	—	—	1,744	12,962	156.3
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida[2]	26,840	12,279	165.7	1,064	8,724	134.4	—	—	—	27,904	12,144	164.8
Georgia	25,589	12,472	155.3	6,158	8,754	150.2	—	—	—	31,748	11,750	154.5
Maryland	10,845	12,914	145.7	—	—	—	—	—	—	10,845	12,914	145.7
North Carolina	27,818	12,398	143.8	—	—	—	—	—	—	27,818	12,398	143.8
South Carolina	12,945	12,805	144.7	—	—	—	—	—	—	12,945	12,805	144.7
Virginia	12,716	12,603	137.8	—	—	—	—	—	—	12,716	12,603	137.8
West Virginia	34,130	12,305	122.2	—	—	—	—	—	—	34,130	12,305	122.2
East South Central[2]	**87,771**	**11,949**	**126.9**	**13,020**	**8,801**	**118.3**	**—**	**—**	**—**	**100,791**	**11,543**	**126.0**
Alabama[2]	24,867	12,244	164.0	6,053	8,538	118.9	—	—	—	30,920	11,519	157.5
Kentucky[2]	36,717	11,597	105.9	245	8,807	97.7	—	—	—	36,962	11,579	105.9
Mississippi	2,591	12,165	162.2	3,295	9,314	145.2	—	—	—	5,886	10,569	153.8
Tennessee[2]	23,596	12,163	114.7	3,427	8,771	91.3	—	—	—	27,023	11,733	112.5
West South Central	**1,636**	**10,837**	**143.8**	**89,785**	**8,610**	**131.9**	**52,774**	**6,428**	**102.8**	**144,195**	**7,837**	**123.4**
Arkansas	—	—	—	14,173	8,671	147.2	—	—	—	14,173	8,671	147.2
Louisiana	30	11,367	152.2	10,458	8,543	144.5	3,555	6,760	136.8	14,043	8,097	142.9
Oklahoma	87	12,893	101.9	19,660	8,633	90.9	—	—	—	19,747	8,651	91.0
Texas	1,519	10,709	146.5	45,493	8,597	142.1	49,219	6,405	100.2	96,231	7,509	123.9
Mountain	**40,841**	**11,077**	**117.1**	**71,090**	**8,933**	**100.3**	**277**	**6,702**	**91.1**	**112,208**	**9,708**	**107.3**
Arizona	7,955	10,986	118.9	10,870	9,601	145.0	—	—	—	18,826	10,186	133.1
Colorado	7,243	10,943	106.6	10,819	9,091	92.3	—	—	—	18,061	9,834	98.7
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	10,243	8,480	66.9	277	6,702	91.1	10,520	8,433	67.4
Nevada	8,035	11,199	129.8	—	—	—	—	—	—	8,035	11,199	129.8
New Mexico	—	—	—	15,841	9,082	130.6	—	—	—	15,841	9,082	130.6
Utah	14,896	11,310	114.8	—	—	—	—	—	—	14,896	11,310	114.8
Wyoming	2,712	10,062	113.6	23,317	8,647	73.9	—	—	—	26,029	8,794	78.6
Pacific Contiguous	**1**	**10,800**	**165.5**	**8,119**	**8,331**	**138.4**	**—**	**—**	**—**	**8,120**	**8,332**	**138.4**
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	2,014	8,685	108.9	—	—	—	2,014	8,685	108.9
Washington	1	10,800	165.5	6,105	8,215	148.7	—	—	—	6,106	8,215	148.7
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**478,763**	**12,028**	**134.5**	**373,496**	**8,728**	**113.3**	**77,189**	**6,471**	**94.3**	**929,448**	**10,241**	**125.2**

1 Includes 511 thousand short tons of anthracite coal delivered to Pennsylvania.

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

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, 1998

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	**543**	**186.8**	**48.95**	**3,748**	**165.6**	**41.86**	**692**	**166.3**	**43.85**
Connecticut	419	183.8	48.20	238	176.4	46.52	—	—	—
Maine	—	—	—	—	—	—	—	—	—
Massachusetts	124	196.8	51.49	3,144	166.6	41.84	124	167.9	44.46
New Hampshire	—	—	—	366	150.5	38.95	568	166.0	43.71
Rhode Island	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**266**	**115.9**	**17.97**	**6,074**	**154.2**	**38.36**	**6,082**	**136.9**	**35.07**
New Jersey	—	—	—	1,758	153.3	40.57	49	137.6	33.79
New York	38	155.0	37.12	1,847	170.7	43.44	964	139.0	36.42
Pennsylvania	228	105.0	14.81	2,470	141.4	32.99	5,070	136.5	34.83
East North Central	**79,224**	**129.3**	**22.94**	**46,099**	**140.3**	**32.97**	**16,016**	**124.9**	**29.33**
Illinois	21,698	179.0	31.96	6,259	162.1	34.06	957	141.7	29.13
Indiana	16,724	107.6	18.81	5,302	145.4	34.09	8,913	121.0	26.88
Michigan	20,497	124.4	22.74	8,782	152.9	37.64	2,775	127.5	33.42
Ohio	1,470	118.5	20.77	23,609	129.7	31.01	2,131	120.0	30.41
Wisconsin	18,834	96.2	16.61	2,147	134.3	29.44	1,240	140.6	36.05
West North Central	**95,032**	**87.6**	**15.19**	**34,193**	**89.2**	**13.29**	**3,202**	**104.4**	**17.35**
Iowa	19,719	85.4	14.51	1,175	101.9	19.68	231	105.3	20.39
Kansas	17,904	97.6	16.84	62	126.6	27.31	—	—	—
Minnesota	10,735	104.6	18.68	7,074	109.7	19.24	86	153.5	34.44
Missouri	34,764	88.1	15.41	2,134	109.1	22.06	752	140.6	32.54
Nebraska	11,850	58.4	10.01	90	91.0	17.77	—	—	—
North Dakota	61	77.5	12.75	21,984	75.8	9.90	2,132	79.7	10.98
South Dakota	—	—	—	1,674	92.5	16.14	—	—	—
South Atlantic[1]	**7,893**	**148.4**	**26.23**	**75,739**	**150.1**	**37.41**	**42,202**	**146.3**	**36.86**
Delaware	—	—	—	1,060	165.0	42.21	646	143.0	37.83
District of Columbia	—	—	—	—	—	—	—	—	—
Florida[1]	1,724	142.2	25.89	8,421	168.8	42.09	8,239	170.5	42.91
Georgia	6,170	150.2	26.32	16,372	159.4	39.93	7,013	147.5	36.52
Maryland	—	—	—	4,565	140.5	35.67	3,741	148.6	38.89
North Carolina	—	—	—	21,353	145.9	36.27	6,456	137.0	33.62
South Carolina	—	—	—	2,737	154.8	39.50	7,964	142.2	36.34
Virginia	—	—	—	7,951	138.2	34.65	4,421	137.0	34.96
West Virginia	—	—	—	13,279	141.5	34.57	3,722	124.6	30.86
East South Central[1]	**16,826**	**120.3**	**22.85**	**26,232**	**158.5**	**38.82**	**12,007**	**120.1**	**29.53**
Alabama[1]	6,944	120.3	21.66	12,952	191.8	47.37	1,110	144.9	35.65
Kentucky[1]	1,972	123.8	28.17	9,642	119.2	28.94	4,679	109.3	26.34
Mississippi	3,295	145.2	27.05	1,154	187.4	46.45	776	141.5	33.80
Tennessee[1]	4,616	101.2	19.38	2,484	120.6	29.02	5,443	121.3	30.43
West South Central	**99,909**	**131.1**	**21.98**	**17,154**	**116.2**	**15.88**	**20,809**	**91.0**	**12.09**
Arkansas	13,708	146.5	25.40	465	168.4	29.14	—	—	—
Louisiana	9,997	144.6	24.72	3,228	135.8	19.12	738	147.1	20.08
Oklahoma	19,660	90.9	15.69	—	—	—	—	—	—
Texas	56,544	139.4	22.86	13,461	109.0	14.65	20,071	88.9	11.79
Mountain	**55,404**	**103.0**	**20.31**	**56,795**	**111.5**	**21.32**	**9**	**326.9**	**72.00**
Arizona	7,117	153.1	30.01	11,709	121.7	25.36	—	—	—
Colorado	16,935	98.6	19.24	1,117	98.3	21.55	9	326.9	72.00
Idaho	—	—	—	—	—	—	—	—	—
Montana	630	66.1	10.21	9,890	67.5	11.44	—	—	—
Nevada	4,870	132.1	29.74	3,165	126.2	28.06	—	—	—
New Mexico	—	—	—	15,841	130.6	23.72	—	—	—
Utah	12,364	114.3	25.62	2,532	117.1	27.72	—	—	—
Wyoming	13,488	52.2	8.74	12,541	104.3	19.30	—	—	—
Pacific Contiguous	**3,496**	**114.3**	**20.51**	**4,624**	**159.3**	**25.00**	**—**	**—**	**—**
California	—	—	—	—	—	—	—	—	—
Oregon	2,014	108.9	18.92	—	—	—	—	—	—
Washington	1,482	121.1	22.67	4,624	159.3	25.00	—	—	—
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Total	**358,593**	**114.4**	**20.29**	**270,659**	**135.6**	**28.87**	**101,020**	**131.0**	**29.02**

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

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

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

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Table 5. Receipts and Average Delivered Cost of Coal by Sulfur Content, Census Division, and State, 1998 (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	**335**	**165.1**	**43.58**	**220**	**160.5**	**42.68**	**—**	**—**	**—**	**167.6**	**42.94**
Connecticut	—	—	—	—	—	—	—	—	—	181.1	47.59
Maine	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	82	161.1	42.60	—	—	—	—	—	—	167.6	42.30
New Hampshire	254	166.4	43.90	220	160.5	42.68	—	—	—	161.2	42.35
Rhode Island	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**17,129**	**133.9**	**33.72**	**16,564**	**131.0**	**33.28**	**9,442**	**146.6**	**34.68**	**137.6**	**34.33**
New Jersey	—	—	—	506	181.5	46.43	—	—	—	159.0	41.71
New York	3,083	138.4	36.32	3,021	135.3	35.64	344	129.9	33.97	143.4	37.44
Pennsylvania	14,046	132.9	33.14	13,036	128.0	32.22	9,099	147.3	34.70	135.0	33.28
East North Central	**10,431**	**126.7**	**30.57**	**28,531**	**111.4**	**25.47**	**28,444**	**136.6**	**31.32**	**129.9**	**27.51**
Illinois	690	129.2	26.64	6,732	106.5	22.95	3,531	128.6	27.51	155.7	30.22
Indiana	4,186	113.0	25.00	13,437	101.4	22.95	8,529	106.1	23.57	112.3	23.63
Michigan	1,800	126.5	33.08	358	135.2	33.35	694	129.4	33.31	133.4	28.19
Ohio	2,546	135.1	35.10	7,997	129.7	31.44	15,690	154.3	36.30	136.5	32.52
Wisconsin	1,209	148.5	38.81	7	172.5	45.78	—	—	—	107.4	19.97
West North Central	**89**	**129.0**	**27.60**	**933**	**117.0**	**26.02**	**994**	**114.4**	**25.59**	**88.9**	**14.91**
Iowa	47	122.0	29.25	399	110.5	24.63	86	118.7	27.96	87.6	15.12
Kansas	—	—	—	50	124.2	29.89	430	105.7	23.47	98.1	17.06
Minnesota	20	157.3	36.75	—	—	—	—	—	—	106.9	19.00
Missouri	—	—	—	484	121.6	26.77	454	121.9	27.52	91.7	16.40
Nebraska	—	—	—	—	—	—	—	—	—	58.6	10.07
North Dakota	21	111.4	15.38	—	—	—	—	—	—	76.2	10.01
South Dakota	—	—	—	—	—	—	25	108.7	18.94	92.7	16.19
South Atlantic[1]	**14,947**	**131.7**	**32.98**	**7,464**	**151.7**	**36.35**	**11,605**	**114.1**	**28.26**	**144.7**	**35.58**
Delaware	38	146.2	38.98	—	—	—	—	—	—	156.3	40.52
District of Columbia	—	—	—	—	—	—	—	—	—	—	—
Florida[1]	846	159.7	39.52	6,668	156.5	37.27	2,006	167.1	41.09	164.8	40.03
Georgia	2,060	149.1	36.81	133	143.1	35.78	—	—	—	154.5	36.31
Maryland	2,380	151.2	39.46	159	138.5	36.79	—	—	—	145.7	37.63
North Carolina	9	129.2	32.88	—	—	—	—	—	—	143.8	35.66
South Carolina	2,192	141.0	36.61	52	146.3	36.12	—	—	—	144.7	37.05
Virginia	344	139.5	33.82	—	—	—	—	—	—	137.8	34.73
West Virginia	7,078	112.8	27.72	452	92.0	22.83	9,599	103.1	25.58	122.2	30.06
East South Central[1]	**11,427**	**127.3**	**31.09**	**16,067**	**111.3**	**26.35**	**18,232**	**96.7**	**21.76**	**126.0**	**29.10**
Alabama[1]	4,857	143.3	34.79	3,620	126.1	30.66	1,437	112.0	26.59	157.5	36.28
Kentucky[1]	877	106.7	25.02	3,903	103.6	23.65	15,889	94.3	21.04	105.9	24.52
Mississippi	558	142.8	33.95	104	131.7	33.62	—	—	—	153.8	32.51
Tennessee[1]	5,134	114.2	28.32	8,440	108.0	25.65	906	112.1	26.72	112.5	26.39
West South Central	**6,236**	**90.7**	**10.54**	**—**	**—**	**—**	**87**	**101.9**	**26.27**	**123.4**	**19.34**
Arkansas	—	—	—	—	—	—	—	—	—	147.2	25.53
Louisiana	81	131.8	17.50	—	—	—	—	—	—	142.9	23.15
Oklahoma	—	—	—	—	—	—	87	101.9	26.27	91.0	15.74
Texas	6,155	90.1	10.45	—	—	—	—	—	—	123.9	18.61
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**107.3**	**20.83**
Arizona	—	—	—	—	—	—	—	—	—	133.1	27.12
Colorado	—	—	—	—	—	—	—	—	—	98.7	19.41
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	67.4	11.36
Nevada	—	—	—	—	—	—	—	—	—	129.8	29.07
New Mexico	—	—	—	—	—	—	—	—	—	130.6	23.72
Utah	—	—	—	—	—	—	—	—	—	114.8	25.97
Wyoming	—	—	—	—	—	—	—	—	—	78.6	13.83
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**138.4**	**23.07**
California	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	108.9	18.92
Washington	—	—	—	—	—	—	—	—	—	148.7	24.44
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—
Total	**60,594**	**128.8**	**30.16**	**69,778**	**121.0**	**28.75**	**68,804**	**123.4**	**28.64**	**125.2**	**25.64**

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

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

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

Table 6. Receipts of Petroleum by Census Division and State, 1994-1998

(Thousand Barrels)

Census Division and State	1998	1997	1996	1995	1994
New England	**35,559**	**36,176**	**22,071**	**17,881**	**24,173**
Connecticut	14,192	13,901	9,562	4,970	6,019
Maine	3,204	2,335	1,423	1,414	964
Massachusetts	15,733	18,344	9,783	9,299	14,742
New Hampshire	2,427	1,594	1,215	2,104	2,319
Rhode Island	—	—	81	92	121
Vermont	4	2	6	2	8
Middle Atlantic	**31,908**	**19,139**	**24,113**	**18,110**	**34,891**
New Jersey	1,781	1,516	2,662	2,154	5,451
New York	22,928	14,556	16,662	12,372	19,732
Pennsylvania	7,199	3,067	4,789	3,584	9,709
East North Central	**4,691**	**3,108**	**3,526**	**3,578**	**5,192**
Illinois	1,241	895	1,272	1,333	2,615
Indiana	500	390	431	440	354
Michigan	2,418	1,288	1,362	1,295	1,587
Ohio	491	467	403	420	541
Wisconsin	41	67	59	90	94
West North Central	**659**	**976**	**632**	**424**	**545**
Iowa	121	88	57	50	108
Kansas	248	490	131	58	98
Minnesota	45	39	63	41	47
Missouri	158	202	207	176	196
Nebraska	15	21	14	14	17
North Dakota	72	134	153	85	79
South Dakota	—	—	6	—	—
South Atlantic	**74,512**	**44,613**	**43,443**	**36,261**	**67,296**
Delaware	2,116	1,706	1,926	1,028	2,950
District of Columbia	446	139	295	422	653
Florida	59,824	38,320	36,449	31,059	51,596
Georgia	738	279	485	240	222
Maryland	6,005	1,985	2,492	2,008	7,795
North Carolina	406	350	209	195	271
South Carolina	109	137	72	68	107
Virginia	4,543	1,361	1,186	937	3,314
West Virginia	324	336	329	305	387
East South Central	**8,851**	**4,697**	**2,465**	**601**	**2,394**
Alabama	112	218	178	176	155
Kentucky	208	237	205	234	311
Mississippi	8,379	4,081	1,726	28	1,733
Tennessee	152	161	355	163	196
West South Central	**1,607**	**1,458**	**943**	**362**	**499**
Arkansas	90	73	86	70	143
Louisiana	1,264	846	299	82	208
Oklahoma	7	39	73	10	10
Texas	246	500	486	200	139
Mountain	**364**	**363**	**396**	**387**	**466**
Arizona	144	123	158	113	69
Colorado	—	—	—	4	6
Idaho	—	—	—	—	—
Montana	14	16	22	34	18
Nevada	30	38	31	29	222
New Mexico	53	45	48	47	45
Utah	42	23	31	31	27
Wyoming	81	117	106	129	79
Pacific Contiguous	**124**	**33**	**16**	**33**	**387**
California	103	—	—	—	370
Oregon	6	17	—	13	3
Washington	15	15	16	20	14
Pacific Noncontiguous	**6,916**	**7,227**	**9,024**	**6,654**	**7,096**
Alaska	—	—	—	—	—
Hawaii	6,916	7,227	9,024	6,654	7,096
Total	**165,191**	**117,789**	**106,629**	**84,292**	**142,940**

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

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

Table 7. Average Delivered Cost of Petroleum by Census Division and State, 1994-1998

Census Division and State	1998	1997	1996	1995	1994	1998	1997	1996	1995	1994
	(cents per million Btu)					(dollars per barrel)				
New England	**203.5**	**274.3**	**307.9**	**258.0**	**252.0**	**12.97**	**17.51**	**19.71**	**16.50**	**16.00**
Connecticut	218.7	292.7	324.1	264.0	253.1	13.98	18.74	20.83	16.99	16.06
Maine	202.1	278.9	293.6	260.6	213.8	12.84	17.69	18.54	16.48	13.49
Massachusetts	192.6	260.7	299.2	258.7	262.4	12.25	16.60	19.10	16.48	16.63
New Hampshire	187.2	263.6	254.4	232.6	199.5	11.94	16.89	16.51	15.08	12.86
Rhode Island	—	—	478.7	412.5	253.5	—	—	28.23	24.18	16.11
Vermont	327.1	453.5	523.8	411.7	453.5	18.70	26.04	29.34	23.84	25.87
Middle Atlantic	**210.6**	**285.3**	**328.7**	**270.2**	**262.3**	**13.30**	**18.02**	**20.62**	**16.97**	**16.46**
New Jersey	242.2	298.7	358.7	286.2	290.2	15.12	18.63	22.20	17.95	18.08
New York	203.5	284.1	319.2	265.5	251.7	12.88	17.94	20.07	16.70	15.83
Pennsylvania	225.7	284.7	345.2	276.8	268.3	14.19	18.09	21.69	17.32	16.82
East North Central	**288.7**	**382.3**	**385.8**	**321.5**	**307.5**	**17.70**	**23.20**	**23.60**	**19.62**	**18.93**
Illinois	275.2	375.0	368.1	301.4	283.0	17.19	23.14	23.06	18.81	17.82
Indiana	319.4	453.1	486.9	401.1	389.9	18.42	26.08	28.08	23.14	22.50
Michigan	280.6	345.1	340.2	292.1	295.6	17.45	21.40	21.08	18.10	18.20
Ohio	332.6	437.0	489.6	390.9	403.8	19.24	25.33	28.33	22.60	23.39
Wisconsin	348.9	462.6	481.6	385.0	397.9	20.52	27.13	28.26	22.54	23.29
West North Central	**292.6**	**346.5**	**434.8**	**364.6**	**355.5**	**17.46**	**21.46**	**25.59**	**21.53**	**21.03**
Iowa	332.9	445.2	507.5	409.0	392.3	19.45	25.85	29.52	23.64	22.71
Kansas	265.5	282.1	412.2	369.1	396.8	16.14	18.26	24.57	21.56	23.15
Minnesota	352.7	483.2	487.4	406.7	419.8	20.41	27.74	28.42	23.71	24.42
Missouri	275.0	364.5	352.2	313.0	278.4	16.56	22.05	20.82	18.83	16.97
Nebraska	354.5	450.3	511.4	415.0	401.8	20.49	26.02	29.56	23.99	23.23
North Dakota	311.9	459.2	505.1	417.5	407.2	18.19	26.82	29.56	24.41	23.72
South Dakota	—	—	597.9	—	—	—	—	35.16	—	—
South Atlantic	**209.2**	**276.1**	**294.7**	**255.0**	**232.7**	**13.27**	**17.63**	**18.72**	**16.20**	**14.75**
Delaware	214.7	277.9	321.2	260.9	259.3	13.61	17.68	20.49	16.66	16.31
District of Columbia	252.9	357.7	378.2	309.5	326.4	15.20	21.69	22.75	18.59	19.64
Florida	205.9	270.2	285.4	249.5	226.2	13.11	17.32	18.21	15.91	14.38
Georgia	327.6	420.8	430.5	378.1	396.3	19.06	24.83	25.44	22.17	23.05
Maryland	211.5	296.4	331.6	274.7	244.5	13.39	18.79	20.91	17.32	15.47
North Carolina	310.5	427.7	468.2	381.5	383.8	18.02	24.84	27.20	22.14	22.28
South Carolina	327.6	454.1	496.5	411.1	409.7	19.01	26.33	28.86	23.83	23.77
Virginia	203.7	281.9	290.0	250.9	216.2	12.85	17.55	17.90	15.41	13.60
West Virginia	370.9	464.0	528.7	438.9	442.4	21.68	27.07	30.79	25.62	25.89
East South Central	**205.7**	**289.8**	**296.1**	**401.9**	**230.0**	**13.51**	**18.82**	**18.64**	**23.39**	**14.37**
Alabama	287.6	405.2	445.7	375.6	402.0	16.85	23.77	26.09	21.81	23.28
Kentucky	383.3	482.9	515.4	428.1	433.3	22.43	28.28	30.07	24.98	25.29
Mississippi	199.2	269.1	223.6	374.3	164.1	13.16	17.73	14.50	21.93	10.52
Tennessee	304.5	439.0	484.6	397.4	414.9	17.89	25.80	28.46	23.08	24.09
West South Central	**250.1**	**361.5**	**417.9**	**373.1**	**300.6**	**15.80**	**22.37**	**24.81**	**21.80**	**18.29**
Arkansas	370.8	470.2	452.5	417.5	358.9	21.99	27.66	26.43	24.15	21.13
Louisiana	222.3	301.8	326.8	348.1	269.3	14.32	19.46	20.20	20.69	16.73
Oklahoma	292.2	409.2	406.7	252.9	370.3	17.42	24.08	23.86	15.06	21.71
Texas	362.1	453.6	473.2	374.4	285.5	21.12	26.38	27.50	21.78	17.48
Mountain	**423.9**	**532.9**	**551.7**	**470.0**	**389.1**	**24.69**	**31.14**	**32.44**	**27.59**	**23.48**
Arizona	429.0	531.8	538.6	510.2	428.1	25.02	31.35	32.19	29.98	25.56
Colorado	—	—	—	477.2	458.1	—	—	—	27.65	25.90
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	466.0	529.4	564.9	490.7	462.9	27.60	31.35	33.45	29.06	27.41
Nevada	379.6	507.6	551.5	337.2	328.7	22.14	29.59	31.71	20.77	20.46
New Mexico	439.3	574.6	586.8	490.4	464.9	25.09	32.82	33.52	28.01	26.55
Utah	439.6	583.6	579.2	504.6	467.4	25.80	34.27	33.95	29.53	27.45
Wyoming	405.5	517.0	545.6	444.6	444.5	23.70	30.14	31.89	26.01	25.95
Pacific Contiguous	**292.4**	**494.4**	**508.5**	**462.3**	**227.3**	**17.69**	**29.06**	**29.89**	**27.19**	**13.92**
California	274.7	—	—	—	216.3	16.71	—	—	—	13.27
Oregon	331.9	490.2	—	426.7	465.4	19.52	28.82	—	25.12	27.17
Washington	405.3	499.1	508.5	484.9	472.0	23.82	29.34	29.89	28.50	27.74
Pacific Noncontiguous	**261.5**	**364.3**	**353.5**	**298.0**	**271.2**	**16.39**	**22.85**	**22.10**	**18.70**	**17.05**
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	261.5	364.3	353.5	298.0	271.2	16.39	22.85	22.10	18.70	17.05
Total	**213.6**	**288.0**	**315.7**	**267.9**	**248.8**	**13.55**	**18.30**	**19.95**	**16.93**	**15.70**

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

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

Table 8. Receipts and Average Delivered Cost of Petroleum by Type of Purchase, Fuel Type, Census Division and State, 1998

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	**17,720**	**199.2**	**12.71**	**17,713**	**207.2**	**13.18**	**324.3**	**18.84**	**—**	**—**	**203.2**	**12.95**
Connecticut	6,735	215.7	13.84	7,405	220.8	14.06	328.4	19.14	—	—	218.4	13.96
Maine	—	—	—	3,197	202.0	12.83	304.9	17.78	—	—	202.0	12.83
Massachusetts	10,985	188.9	12.02	4,711	200.1	12.71	322.4	18.71	—	—	192.3	12.23
New Hampshire	—	—	—	2,400	185.9	11.87	323.0	18.69	—	—	185.9	11.87
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	327.1	18.70	—	—	—	—
Middle Atlantic	**11,374**	**202.3**	**12.81**	**19,207**	**209.0**	**13.25**	**302.2**	**17.64**	**300.3**	**18.55**	**206.5**	**13.09**
New Jersey	1,149	226.2	14.25	473	231.8	14.52	323.5	18.68	300.3	18.55	227.9	14.33
New York	10,225	199.6	12.65	12,648	206.0	13.04	335.8	19.55	—	—	203.2	12.87
Pennsylvania	—	—	—	6,086	213.3	13.58	299.7	17.50	—	—	213.3	13.58
East North Central	**214**	**367.5**	**22.55**	**2,526**	**257.7**	**16.43**	**324.0**	**18.80**	**293.3**	**18.85**	**266.0**	**16.91**
Illinois	—	—	—	955	260.1	16.57	331.6	19.28	293.3	18.85	260.1	16.57
Indiana	—	—	—	—	—	—	319.4	18.42	—	—	—	—
Michigan	214	367.5	22.55	1,571	256.2	16.35	315.9	18.44	—	—	269.1	17.10
Ohio	—	—	—	—	—	—	332.6	19.24	—	—	—	—
Wisconsin	—	—	—	—	—	—	348.9	20.52	—	—	—	—
West North Central	**—**	**—**	**—**	**135**	**163.6**	**10.72**	**330.2**	**19.20**	**—**	**—**	**163.6**	**10.72**
Iowa	—	—	—	—	—	—	332.9	19.45	—	—	—	—
Kansas	—	—	—	82	153.7	10.16	328.4	19.09	—	—	153.7	10.16
Minnesota	—	—	—	—	—	—	352.7	20.41	—	—	—	—
Missouri	—	—	—	53	179.1	11.60	329.8	19.10	—	—	179.1	11.60
Nebraska	—	—	—	—	—	—	354.5	20.49	—	—	—	—
North Dakota	—	—	—	—	—	—	311.9	18.19	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**28,650**	**204.2**	**13.05**	**42,401**	**204.3**	**12.99**	**329.5**	**19.19**	**252.2**	**14.96**	**204.3**	**13.01**
Delaware	1,262	223.7	14.24	758	187.8	11.95	315.9	18.38	—	—	210.3	13.38
District of Columbia	—	—	—	—	—	—	295.0	17.21	252.1	15.16	—	—
Florida	21,887	201.9	12.93	37,109	205.6	13.07	337.8	19.65	323.3	.82	204.2	13.02
Georgia	—	—	—	—	—	—	327.6	19.06	—	—	—	—
Maryland	5,501	208.8	13.27	253	193.4	12.28	295.1	17.25	—	—	208.1	13.22
North Carolina	—	—	—	—	—	—	310.5	18.02	—	—	—	—
South Carolina	—	—	—	—	—	—	327.6	19.01	—	—	—	—
Virginia	—	—	—	4,281	196.7	12.46	326.3	19.15	—	—	196.7	12.46
West Virginia	—	—	—	—	—	—	370.9	21.68	—	—	—	—
East South Central	**—**	**—**	**—**	**8,307**	**198.1**	**13.11**	**335.3**	**19.66**	**—**	**—**	**198.1**	**13.11**
Alabama	—	—	—	—	—	—	287.6	16.85	—	—	—	—
Kentucky	—	—	—	—	—	—	383.3	22.43	—	—	—	—
Mississippi	—	—	—	8,307	198.1	13.11	336.4	19.79	—	—	198.1	13.11
Tennessee	—	—	—	—	—	—	304.5	17.89	—	—	—	—
West South Central	**—**	**—**	**—**	**1,201**	**216.3**	**14.00**	**360.5**	**21.13**	**—**	**—**	**216.3**	**14.00**
Arkansas	—	—	—	—	—	—	370.8	21.99	—	—	—	—
Louisiana	—	—	—	1,190	215.8	13.98	335.7	19.82	—	—	215.8	13.98
Oklahoma	—	—	—	—	—	—	292.2	17.42	—	—	—	—
Texas	—	—	—	11	270.3	16.74	366.7	21.32	—	—	270.3	16.74
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**423.9**	**24.69**	**—**	**—**	**—**	**—**
Arizona	—	—	—	—	—	—	429.0	25.02	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	466.0	27.60	—	—	—	—
Nevada	—	—	—	—	—	—	379.6	22.14	—	—	—	—
New Mexico	—	—	—	—	—	—	439.3	25.09	—	—	—	—
Utah	—	—	—	—	—	—	439.6	25.80	—	—	—	—
Wyoming	—	—	—	—	—	—	405.5	23.70	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**292.4**	**17.69**	**—**	**—**	**—**	**—**
California	—	—	—	—	—	—	274.7	16.71	—	—	—	—
Oregon	—	—	—	—	—	—	331.9	19.52	—	—	—	—
Washington	—	—	—	—	—	—	405.3	23.82	—	—	—	—
Pacific Noncontiguous	**6,912**	**261.4**	**16.38**	**—**	**—**	**—**	**401.8**	**23.10**	**—**	**—**	**261.4**	**16.38**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	6,912	261.4	16.38	—	—	—	401.8	23.10	—	—	261.4	16.38
Total	**64,871**	**209.0**	**13.30**	**91,491**	**206.8**	**13.20**	**329.7**	**19.21**	**256.7**	**15.30**	**207.7**	**13.24**

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, 1998

Census Division and State	No. 2 Fuel Oil			Nos. 4 & 5 Fuel Oil[1]			No. 6 Fuel Oil			Total		
	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per MM Btu)
New England	**122**	**138,315**	**324.3**	**—**	**—**	**—**	**35,433**	**151,757**	**203.2**	**35,559**	**151,708**	**203.5**
Connecticut	52	138,754	328.4	—	—	—	14,140	152,182	218.4	14,192	152,132	218.7
Maine	6	138,834	304.9	—	—	—	3,197	151,264	202.0	3,204	151,240	202.1
Massachusetts	33	138,197	322.4	—	—	—	15,696	151,437	192.3	15,733	151,403	192.6
New Hampshire	26	137,800	323.0	—	—	—	2,400	152,005	185.9	2,427	151,852	187.2
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	4	136,130	327.1	—	—	—	—	—	—	4	136,130	327.1
Middle Atlantic	**1,213**	**138,942**	**302.2**	**33**	**147,088**	**300.3**	**30,581**	**150,883**	**206.5**	**31,908**	**150,381**	**210.6**
New Jersey	45	137,460	323.5	33	147,088	300.3	1,622	149,756	227.9	1,781	148,656	242.2
New York	55	138,575	335.8	—	—	—	22,873	150,771	203.2	22,928	150,742	203.5
Pennsylvania	1,113	139,020	299.7	—	—	—	6,086	151,602	213.3	7,199	149,657	225.7
East North Central	**1,939**	**138,188**	**324.0**	**12**	**153,000**	**293.3**	**2,741**	**151,401**	**266.0**	**4,691**	**145,945**	**288.7**
Illinois	275	138,430	331.6	12	153,000	293.3	955	151,670	260.1	1,241	148,753	275.2
Indiana	500	137,319	319.4	—	—	—	—	—	—	500	137,319	319.4
Michigan	632	138,977	315.9	—	—	—	1,786	151,258	269.1	2,418	148,047	280.6
Ohio	491	137,774	332.6	—	—	—	—	—	—	491	137,774	332.6
Wisconsin	41	139,979	348.9	—	—	—	—	—	—	41	139,979	348.9
West North Central	**523**	**138,451**	**330.2**	**—**	**—**	**—**	**135**	**156,094**	**163.6**	**659**	**142,079**	**292.6**
Iowa	121	139,097	332.9	—	—	—	—	—	—	121	139,097	332.9
Kansas	166	138,421	328.4	—	—	—	82	157,358	153.7	248	144,689	265.5
Minnesota	45	137,797	352.7	—	—	—	—	—	—	45	137,797	352.7
Missouri	104	137,893	329.8	—	—	—	53	154,155	179.1	158	143,394	275.0
Nebraska	15	137,643	354.5	—	—	—	—	—	—	15	137,643	354.5
North Dakota	72	138,812	311.9	—	—	—	—	—	—	72	138,812	311.9
South Dakota	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**3,016**	**138,679**	**329.5**	**444**	**141,285**	**252.2**	**71,052**	**151,668**	**204.3**	**74,512**	**151,080**	**209.2**
Delaware	96	138,496	315.9	—	—	—	2,020	151,551	210.3	2,116	150,957	214.7
District of Columbia	8	138,932	295.0	438	143,146	252.1	—	—	—	446	143,071	252.9
Florida	822	138,496	337.8	6	6,017	323.3	58,996	151,773	204.2	59,824	151,576	205.9
Georgia	738	138,497	327.6	—	—	—	—	—	—	738	138,497	327.6
Maryland	250	139,174	295.1	—	—	—	5,754	151,281	208.1	6,005	150,776	211.5
North Carolina	406	138,168	310.5	—	—	—	—	—	—	406	138,168	310.5
South Carolina	109	138,122	327.6	—	—	—	—	—	—	109	138,122	327.6
Virginia	262	139,748	326.3	—	—	—	4,281	150,796	196.7	4,543	150,158	203.7
West Virginia	324	139,186	370.9	—	—	—	—	—	—	324	139,186	370.9
East South Central	**544**	**139,619**	**335.3**	**—**	**—**	**—**	**8,307**	**157,497**	**198.1**	**8,851**	**156,398**	**205.7**
Alabama	112	139,510	287.6	—	—	—	—	—	—	112	139,510	287.6
Kentucky	208	139,329	383.3	—	—	—	—	—	—	208	139,329	383.3
Mississippi	72	140,064	336.4	—	—	—	8,307	157,497	198.1	8,379	157,347	199.2
Tennessee	152	139,886	304.5	—	—	—	—	—	—	152	139,886	304.5
West South Central	**407**	**139,522**	**360.5**	**—**	**—**	**—**	**1,201**	**154,141**	**216.3**	**1,607**	**150,442**	**250.1**
Arkansas	90	141,228	370.8	—	—	—	—	—	—	90	141,228	370.8
Louisiana	74	140,604	335.7	—	—	—	1,190	154,203	215.8	1,264	153,402	222.3
Oklahoma	7	141,968	292.2	—	—	—	—	—	—	7	141,968	292.2
Texas	235	138,444	366.7	—	—	—	11	147,431	270.3	246	138,847	362.1
Mountain	**364**	**138,687**	**423.9**	**—**	**—**	**—**	**—**	**—**	**—**	**364**	**138,687**	**423.9**
Arizona	144	138,851	429.0	—	—	—	—	—	—	144	138,851	429.0
Colorado	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	14	141,000	466.0	—	—	—	—	—	—	14	141,000	466.0
Nevada	30	138,847	379.6	—	—	—	—	—	—	30	138,847	379.6
New Mexico	53	136,000	439.3	—	—	—	—	—	—	53	136,000	439.3
Utah	42	139,758	439.6	—	—	—	—	—	—	42	139,758	439.6
Wyoming	81	139,140	405.5	—	—	—	—	—	—	81	139,140	405.5
Pacific Contiguous	**124**	**144,034**	**292.4**	**—**	**—**	**—**	**—**	**—**	**—**	**124**	**144,034**	**292.4**
California	103	144,857	274.7	—	—	—	—	—	—	103	144,857	274.7
Oregon	6	140,000	331.9	—	—	—	—	—	—	6	140,000	331.9
Washington	15	139,908	405.3	—	—	—	—	—	—	15	139,908	405.3
Pacific Noncontiguous	**4**	**136,873**	**401.8**	**—**	**—**	**—**	**6,912**	**149,211**	**261.4**	**6,916**	**149,205**	**261.5**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	4	136,873	401.8	—	—	—	6,912	149,211	261.4	6,916	149,205	261.5
Total	**8,255**	**138,766**	**329.7**	**489**	**141,967**	**256.7**	**156,362**	**151,754**	**207.7**	**165,191**	**151,066**	**213.6**

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

Notes: • Totals for New Jersey and the Middle Atlantic Census division include 81 thousand barrels of kerosene. • Totals for Massachusetts and the New England Census division include 3.4 thousand barrels of Jet Fuel. • 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, 1998

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	**482**	**268.6**	**16.82**	**3,261**	**226.2**	**14.29**	**25,984**	**203.5**	**12.99**
Connecticut	319	262.6	16.38	2,746	226.5	14.30	11,074	215.1	13.80
Maine	42	268.7	17.00	115	218.4	14.00	1,745	219.8	13.98
Massachusetts	121	284.3	17.90	214	232.7	14.71	13,165	191.4	12.17
New Hampshire	—	—	—	185	220.1	13.92	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**7,998**	**219.0**	**13.73**	**2,960**	**220.5**	**13.98**	**13,613**	**199.1**	**12.67**
New Jersey	1,267	227.7	14.27	48	254.5	16.07	340	231.7	14.74
New York	6,731	217.3	13.62	882	206.8	12.97	9,436	194.6	12.39
Pennsylvania	—	—	—	2,030	225.5	14.38	3,837	207.4	13.18
East North Central	**192**	**278.6**	**17.50**	**138**	**246.8**	**14.67**	**2,159**	**271.9**	**17.35**
Illinois	179	282.1	17.79	—	—	—	788	255.7	16.33
Indiana	—	—	—	—	—	—	—	—	—
Michigan	13	228.0	13.55	138	246.8	14.67	1,372	281.2	17.94
Ohio	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—
West North Central	**—**	**—**	**—**	**—**	**—**	**—**	**53**	**161.2**	**10.70**
Iowa	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	48	157.1	10.47
Minnesota	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	5	201.3	12.81
Nebraska	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—
South Atlantic	**198**	**198.3**	**12.13**	**128**	**209.6**	**12.76**	**32,636**	**216.6**	**13.73**
Delaware	—	—	—	—	—	—	2,020	210.3	13.38
District of Columbia	—	—	—	—	—	—	438	252.1	15.16
Florida	198	198.3	12.13	128	209.6	12.76	23,896	218.2	13.84
Georgia	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	5,268	209.9	13.33
North Carolina	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	1,014	210.6	13.37
West Virginia	—	—	—	—	—	—	—	—	—
East South Central	**246**	**183.0**	**12.01**	**287**	**186.3**	**12.32**	**—**	**—**	**—**
Alabama	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—
Mississippi	246	183.0	12.01	287	186.3	12.32	—	—	—
Tennessee	—	—	—	—	—	—	—	—	—
West South Central	**350**	**188.3**	**11.88**	**—**	**—**	**—**	**263**	**230.1**	**14.92**
Arkansas	—	—	—	—	—	—	—	—	—
Louisiana	339	185.7	11.72	—	—	—	263	230.1	14.92
Oklahoma	—	—	—	—	—	—	—	—	—
Texas	11	270.3	16.74	—	—	—	—	—	—
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Arizona	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
California	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**76**	**240.2**	**14.96**	**6,836**	**261.6**	**16.40**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	76	240.2	14.96	6,836	261.6	16.40	—	—	—
Total	**9,543**	**220.3**	**13.82**	**13,610**	**241.8**	**15.23**	**74,709**	**210.4**	**13.39**

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, 1998 (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	**3,670**	**184.8**	**11.79**	**2,036**	**180.3**	**11.43**	**—**	**—**	**—**	**203.2**	**12.95**
Connecticut	—	—	—	—	—	—	—	—	—	218.4	13.96
Maine	319	167.1	10.61	976	176.4	11.17	—	—	—	202.0	12.83
Massachusetts	1,136	193.4	12.31	1,060	183.9	11.67	—	—	—	192.3	12.23
New Hampshire	2,215	183.0	11.69	—	—	—	—	—	—	185.9	11.87
Rhode Island	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**6,044**	**200.5**	**12.76**	**—**	**—**	**—**	**—**	**—**	**—**	**206.6**	**13.09**
New Jersey	—	—	—	—	—	—	—	—	—	229.3	14.42
New York	5,825	200.4	12.74	—	—	—	—	—	—	203.2	12.87
Pennsylvania	219	204.4	13.35	—	—	—	—	—	—	213.3	13.58
East North Central	**263**	**219.2**	**14.13**	**—**	**—**	**—**	**—**	**—**	**—**	**266.1**	**16.92**
Illinois	—	—	—	—	—	—	—	—	—	260.5	16.60
Indiana	—	—	—	—	—	—	—	—	—	—	—
Michigan	263	219.2	14.13	—	—	—	—	—	—	269.1	17.10
Ohio	—	—	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—	—	—
West North Central	**77**	**163.8**	**10.64**	**5**	**184.1**	**12.20**	**—**	**—**	**—**	**163.6**	**10.72**
Iowa	—	—	—	—	—	—	—	—	—	—	—
Kansas	34	148.8	9.72	—	—	—	—	—	—	153.7	10.16
Minnesota	—	—	—	—	—	—	—	—	—	—	—
Missouri	43	175.9	11.38	5	184.1	12.20	—	—	—	179.1	11.60
Nebraska	—	—	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**26,551**	**196.2**	**12.55**	**11,901**	**190.9**	**12.19**	**81**	**165.6**	**10.61**	**204.5**	**13.02**
Delaware	—	—	—	—	—	—	—	—	—	210.3	13.38
District of Columbia	—	—	—	—	—	—	—	—	—	252.1	15.16
Florida	22,797	196.8	12.61	11,901	190.9	12.19	81	165.6	10.61	204.2	13.02
Georgia	—	—	—	—	—	—	—	—	—	—	—
Maryland	486	188.5	12.10	—	—	—	—	—	—	208.1	13.22
North Carolina	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—
Virginia	3,268	192.4	12.18	—	—	—	—	—	—	196.7	12.46
West Virginia	—	—	—	—	—	—	—	—	—	—	—
East South Central	**—**	**—**	**—**	**7,774**	**199.0**	**13.17**	**—**	**—**	**—**	**198.1**	**13.11**
Alabama	—	—	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	7,774	199.0	13.17	—	—	—	198.1	13.11
Tennessee	—	—	—	—	—	—	—	—	—	—	—
West South Central	**588**	**226.2**	**14.86**	**—**	**—**	**—**	**—**	**—**	**—**	**216.3**	**14.00**
Arkansas	—	—	—	—	—	—	—	—	—	—	—
Louisiana	588	226.2	14.86	—	—	—	—	—	—	215.8	13.98
Oklahoma	—	—	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—	270.3	16.74
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Arizona	—	—	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
California	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**261.4**	**16.38**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	261.4	16.38
Total	**37,192**	**196.3**	**12.55**	**21,717**	**192.9**	**12.47**	**81**	**165.6**	**10.61**	**207.9**	**13.25**

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. • No. 2 Fuel Oil and kerosene have been omitted from this table.• MM Btu = million Btu.• Cost = average delivered cost.

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

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Table 11. Receipts of Gas by Census Division and State, 1994-1998

(Thousand Mcf)

Census Division and State	1998	1997	1996	1995	1994
New England	**47,377**	**95,374**	**92,757**	**92,244**	**48,618**
Connecticut	10,396	13,738	10,327	19,277	8,009
Maine	—	—	—	—	—
Massachusetts	21,207	50,755	48,011	64,350	38,595
New Hampshire	—	302	—	2,564	1,275
Rhode Island	15,586	30,544	34,396	5,914	572
Vermont	187	34	24	138	167
Middle Atlantic	**226,248**	**236,208**	**168,075**	**300,502**	**225,983**
New Jersey	16,742	17,920	21,698	37,601	36,154
New York	204,700	215,276	139,848	239,247	177,846
Pennsylvania	4,807	3,012	6,529	23,654	11,983
East North Central	**102,818**	**79,833**	**56,337**	**79,583**	**61,161**
Illinois	51,887	44,986	24,354	38,666	34,188
Indiana	4,258	2,631	3,213	6,134	7,309
Michigan	40,813	28,208	25,972	28,540	17,203
Ohio	1,532	719	848	3,394	842
Wisconsin	4,328	3,289	1,951	2,848	1,618
West North Central	**43,200**	**29,509**	**27,345**	**41,390**	**33,313**
Iowa	3,154	2,748	2,751	2,484	1,582
Kansas	29,899	20,050	17,621	21,093	22,203
Minnesota	2,176	2,768	2,707	5,283	3,504
Missouri	5,984	2,889	3,128	10,650	3,517
Nebraska	1,981	1,053	1,135	1,752	2,435
North Dakota	1	1	2	1	46
South Dakota	5	—	2	127	26
South Atlantic	**285,398**	**310,596**	**314,620**	**369,271**	**220,663**
Delaware	11,148	15,997	23,165	27,012	17,396
District of Columbia	—	—	—	—	—
Florida	241,059	276,254	272,616	305,896	171,834
Georgia	10,682	3,074	2,619	3,196	1,078
Maryland	4,988	4,864	5,258	11,659	8,684
North Carolina	1,879	1,220	800	1,020	548
South Carolina	435	196	193	5,325	2,584
Virginia	14,859	8,619	9,543	14,656	18,200
West Virginia	348	372	426	506	338
East South Central	**56,595**	**49,081**	**63,790**	**89,399**	**64,255**
Alabama	1,731	1,194	1,443	2,412	3,235
Kentucky	805	576	616	428	406
Mississippi	54,059	47,311	61,732	86,559	60,614
Tennessee	—	—	—	—	—
West South Central	**1,712,041**	**1,445,739**	**1,441,962**	**1,524,483**	**1,474,719**
Arkansas	22,561	17,490	32,443	29,696	22,782
Louisiana	289,492	264,879	243,098	313,325	257,290
Oklahoma	177,976	133,617	133,520	150,892	147,382
Texas	1,222,012	1,029,752	1,032,900	1,030,570	1,047,265
Mountain	**134,733**	**111,722**	**91,680**	**96,760**	**93,950**
Arizona	35,888	22,010	17,685	17,954	21,731
Colorado	3,544	2,361	2,328	1,478	2,154
Idaho	—	—	—	—	—
Montana	199	103	155	123	518
Nevada	51,812	52,189	41,221	39,118	31,440
New Mexico	39,169	32,753	28,218	30,833	30,540
Utah	4,045	2,207	1,985	7,126	7,436
Wyoming	77	98	88	128	131
Pacific Contiguous	**295,660**	**385,685**	**329,657**	**411,515**	**621,342**
California	266,743	374,700	314,789	390,482	595,291
Oregon	28,915	10,969	14,832	21,026	26,041
Washington	2	15	36	8	11
Pacific Noncontiguous	**18,887**	**20,989**	**18,439**	**18,180**	**19,900**
Alaska	18,887	20,989	18,439	18,180	19,900
Hawaii	—	—	—	—	—
Total	**2,922,957**	**2,764,734**	**2,604,663**	**3,023,327**	**2,863,904**

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

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

Table 12. Average Delivered Cost of Gas by Census Division and State, 1994-1998

Census Division and State	1998	1997	1996	1995	1994	1998	1997	1996	1995	1994
	(cents per million Btu)					(dollars per Mcf)				
New England	**283.7**	**300.6**	**266.2**	**198.5**	**219.2**	**2.92**	**3.09**	**2.75**	**2.03**	**2.26**
Connecticut	236.9	242.1	270.7	197.8	196.0	2.44	2.47	2.76	2.01	1.99
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	273.8	301.0	296.2	200.6	224.1	2.82	3.11	3.07	2.06	2.32
New Hampshire	—	266.6	—	182.6	209.7	—	2.71	—	1.86	2.13
Rhode Island	328.5	326.4	222.6	184.9	222.5	3.38	3.35	2.29	1.90	2.29
Vermont	286.1	312.1	317.5	195.3	231.5	2.90	3.16	3.22	1.95	2.31
Middle Atlantic	**252.0**	**282.2**	**287.7**	**207.7**	**221.6**	**2.60**	**2.90**	**2.96**	**2.13**	**2.29**
New Jersey	262.0	295.1	289.8	211.8	209.6	2.74	3.06	2.96	2.18	2.17
New York	249.6	281.0	287.9	208.0	223.6	2.57	2.88	2.96	2.14	2.30
Pennsylvania	316.5	292.5	276.9	198.1	229.1	3.26	3.02	2.85	2.04	2.36
East North Central	**230.6**	**259.7**	**270.7**	**186.7**	**219.8**	**1.91**	**1.99**	**1.83**	**1.46**	**1.86**
Illinois	220.7	251.4	257.2	168.0	200.0	2.25	2.55	2.62	1.71	2.04
Indiana	280.5	316.3	341.2	244.1	265.9	2.88	3.23	3.48	2.49	2.72
Michigan	232.4	256.3	269.3	199.5	240.2	1.26	.80	.74	.73	.97
Ohio	308.4	362.9	335.0	227.7	374.5	3.17	3.72	3.44	2.34	3.85
Wisconsin	264.1	314.7	300.6	220.7	263.4	2.68	3.17	3.04	2.23	2.66
West North Central	**224.1**	**267.8**	**241.2**	**171.7**	**201.4**	**2.25**	**2.64**	**2.38**	**1.70**	**1.99**
Iowa	305.9	339.8	322.4	271.0	316.2	3.07	3.41	3.23	2.72	3.18
Kansas	213.7	258.4	231.8	161.0	192.1	2.14	2.53	2.26	1.58	1.89
Minnesota	233.8	243.6	216.9	176.1	213.1	2.36	2.45	2.18	1.77	2.14
Missouri	223.4	279.4	255.2	168.1	189.7	2.26	2.81	2.58	1.69	1.90
Nebraska	242.7	287.1	206.1	165.8	205.1	2.40	2.86	2.07	1.66	2.02
North Dakota	369.3	322.0	276.6	349.4	375.7	3.88	3.43	2.93	3.73	4.11
South Dakota	176.7	—	233.0	157.8	272.3	1.77	—	2.36	1.58	2.65
South Atlantic	**279.3**	**302.9**	**307.9**	**224.8**	**222.2**	**2.93**	**3.16**	**3.12**	**2.28**	**2.26**
Delaware	297.7	304.7	302.5	227.2	234.2	2.89	3.15	3.13	2.35	2.43
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	276.2	304.3	309.7	223.6	215.5	2.91	3.18	3.12	2.26	2.18
Georgia	316.0	265.5	281.3	272.1	320.8	3.25	2.72	2.88	2.79	3.29
Maryland	263.2	285.3	298.6	215.7	246.6	2.75	2.97	3.11	2.24	2.57
North Carolina	267.9	310.7	300.5	232.8	325.7	2.81	3.22	3.11	2.40	3.38
South Carolina	353.4	397.6	445.4	160.3	167.1	3.62	4.07	4.56	1.64	1.71
Virginia	295.4	274.0	281.6	259.1	256.6	3.10	2.93	2.98	2.67	2.66
West Virginia	351.4	335.1	299.0	357.6	400.1	3.51	3.35	2.99	3.58	4.00
East South Central	**224.5**	**263.4**	**269.0**	**172.3**	**192.6**	**2.33**	**2.73**	**2.79**	**1.79**	**2.01**
Alabama	247.5	277.2	287.6	197.7	234.3	2.59	2.86	2.95	2.01	2.37
Kentucky	331.9	337.3	341.3	294.1	287.2	3.40	3.45	3.49	3.01	2.93
Mississippi	222.1	262.2	267.9	171.0	189.8	2.31	2.72	2.78	1.78	1.98
Tennessee	—	—	—	—	—	—	—	—	—	—
West South Central	**227.0**	**266.7**	**255.9**	**190.5**	**218.5**	**2.33**	**2.74**	**2.63**	**1.96**	**2.25**
Arkansas	224.0	261.9	246.6	169.7	182.3	2.29	2.70	2.52	1.74	1.87
Louisiana	227.4	269.3	281.6	180.6	207.4	2.37	2.79	2.94	1.88	2.17
Oklahoma	241.2	287.8	290.1	226.5	266.7	2.48	2.97	2.98	2.34	2.76
Texas	224.9	263.3	245.6	188.9	215.2	2.30	2.69	2.51	1.93	2.20
Mountain	**230.8**	**245.5**	**231.0**	**168.5**	**202.6**	**2.36**	**2.51**	**2.36**	**1.73**	**2.08**
Arizona	239.1	294.4	298.2	172.9	217.7	2.42	2.99	3.03	1.77	2.23
Colorado	300.3	317.5	209.8	173.0	212.5	2.98	3.16	2.09	1.74	2.21
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	191.8	1348.5	269.3	358.1	114.9	2.06	14.45	2.90	3.84	1.21
Nevada	230.2	211.9	206.0	165.8	192.4	2.38	2.18	2.12	1.71	1.99
New Mexico	220.0	259.2	227.9	154.5	194.5	2.22	2.64	2.31	1.57	1.99
Utah	202.5	203.0	179.0	214.5	231.6	2.11	2.09	1.83	2.26	2.42
Wyoming	796.0	875.9	1211.2	797.8	561.4	8.31	9.12	12.59	8.32	5.80
Pacific Contiguous	**257.5**	**298.0**	**261.9**	**217.7**	**245.7**	**2.63**	**3.04**	**2.68**	**2.23**	**2.53**
California	268.6	302.2	267.9	222.3	248.4	2.74	3.08	2.75	2.28	2.56
Oregon	154.1	147.6	132.2	129.8	183.0	1.56	1.49	1.33	1.31	1.85
Washington	325.9	4519.5	474.7	438.2	471.2	3.44	47.38	4.98	4.60	4.95
Pacific Noncontiguous	**179.8**	**174.0**	**144.6**	**128.6**	**112.9**	**1.80**	**1.74**	**1.45**	**1.29**	**1.13**
Alaska	179.8	174.0	144.6	128.6	112.9	1.80	1.74	1.45	1.29	1.13
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**238.1**	**276.0**	**264.1**	**198.4**	**223.0**	**2.43**	**2.81**	**2.69**	**2.02**	**2.28**

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

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

Table 13. Receipts and Average Delivered Cost of Gas by Type of Purchase, Census Division and State, 1998

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	**20,319**	**334.1**	**3.44**	**21,843**	**237.9**	**2.44**	**5,215**	**279.1**	**2.87**	**47,377**	**283.7**	**2.92**
Connecticut	—	—	—	10,340	237.0	2.44	57	216.4	2.23	10,396	236.9	2.44
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	5,864	338.4	3.50	11,503	238.7	2.45	3,840	279.5	2.88	21,207	273.8	2.82
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	14,455	332.4	3.42	—	—	—	1,131	279.4	2.87	15,586	328.5	3.38
Vermont	—	—	—	—	—	—	187	286.1	2.90	187	286.1	2.90
Middle Atlantic	**13,136**	**406.2**	**4.13**	**154,992**	**239.8**	**2.48**	**58,120**	**249.9**	**2.57**	**226,248**	**252.0**	**2.60**
New Jersey	10	368.1	3.82	16,518	261.7	2.74	214	278.8	2.94	16,742	262.0	2.74
New York	11,433	413.5	4.20	135,403	235.9	2.43	57,864	249.8	2.56	204,700	249.6	2.57
Pennsylvania	1,693	358.0	3.71	3,071	293.7	3.01	43	291.7	3.02	4,807	316.5	3.26
East North Central	**1,800**	**270.5**	**2.74**	**45,008**	**240.1**	**1.49**	**56,010**	**224.6**	**2.23**	**102,818**	**230.6**	**1.91**
Illinois	525	276.6	2.83	3,067	229.9	2.36	48,295	219.5	2.24	51,887	220.7	2.25
Indiana	—	—	—	4,258	280.5	2.88	—	—	—	4,258	280.5	2.88
Michigan	971	264.9	2.66	32,881	225.4	1.07	6,961	246.5	1.97	40,813	232.4	1.26
Ohio	304	277.6	2.85	800	251.1	2.59	428	438.2	4.48	1,532	308.4	3.17
Wisconsin	—	—	—	4,002	258.9	2.62	326	327.1	3.34	4,328	264.1	2.68
West North Central	**552**	**334.8**	**3.36**	**39,401**	**221.9**	**2.22**	**3,247**	**232.7**	**2.33**	**43,200**	**224.1**	**2.25**
Iowa	309	408.2	4.13	2,719	295.9	2.97	126	268.4	2.68	3,154	305.9	3.07
Kansas	119	260.3	2.55	29,077	213.2	2.13	702	229.5	2.30	29,899	213.7	2.14
Minnesota	1	1,492.2	15.26	940	242.2	2.47	1,235	226.1	2.26	2,176	233.8	2.36
Missouri	—	—	—	4,801	219.9	2.23	1,184	237.7	2.38	5,984	223.4	2.26
Nebraska	123	208.2	2.08	1,858	245.1	2.42	—	—	—	1,981	242.7	2.40
North Dakota	—	—	—	1	369.3	3.88	—	—	—	1	369.3	3.88
South Dakota	—	—	—	5	176.7	1.77	—	—	—	5	176.7	1.77
South Atlantic	**230,916**	**279.9**	**2.94**	**37,124**	**273.8**	**2.85**	**17,358**	**284.1**	**2.97**	**285,398**	**279.3**	**2.93**
Delaware	10,770	303.5	2.97	—	—	—	378	95.3	.76	11,148	297.7	2.89
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	220,113	278.8	2.94	18,773	251.4	2.63	2,173	223.5	2.36	241,059	276.2	2.91
Georgia	—	—	—	10,682	316.0	3.25	—	—	—	10,682	316.0	3.25
Maryland	33	367.6	3.82	4,920	261.3	2.73	35	442.1	4.59	4,988	263.2	2.75
North Carolina	—	—	—	1,879	267.9	2.81	—	—	—	1,879	267.9	2.81
South Carolina	—	—	—	435	353.4	3.62	—	—	—	435	353.4	3.62
Virginia	—	—	—	87	134.4	1.35	14,772	296.3	3.11	14,859	295.4	3.10
West Virginia	—	—	—	348	351.4	3.51	—	—	—	348	351.4	3.51
East South Central	**1,874**	**223.3**	**2.30**	**22,747**	**228.0**	**2.39**	**31,975**	**222.0**	**2.29**	**56,595**	**224.5**	**2.33**
Alabama	—	—	—	1,731	247.5	2.59	—	—	—	1,731	247.5	2.59
Kentucky	—	—	—	30	380.2	3.80	775	330.1	3.38	805	331.9	3.40
Mississippi	1,874	223.3	2.30	20,986	226.1	2.37	31,200	219.3	2.26	54,059	222.1	2.31
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**912,865**	**234.8**	**2.41**	**105,603**	**213.5**	**2.20**	**693,573**	**218.8**	**2.25**	**1,712,041**	**227.0**	**2.33**
Arkansas	1,715	168.7	1.82	—	—	—	20,846	228.8	2.33	22,561	224.0	2.29
Louisiana	104,714	242.5	2.53	38,218	214.9	2.25	146,561	219.8	2.29	289,492	227.4	2.37
Oklahoma	115,860	251.3	2.59	21,046	216.8	2.23	41,069	225.0	2.30	177,976	241.2	2.48
Texas	690,576	231.1	2.36	46,339	210.8	2.14	485,097	217.6	2.23	1,222,012	224.9	2.30
Mountain	**31,200**	**248.6**	**2.51**	**69,441**	**216.8**	**2.21**	**34,093**	**243.1**	**2.51**	**134,733**	**230.8**	**2.36**
Arizona	15,757	245.2	2.49	13,735	231.9	2.35	6,396	239.3	2.43	35,888	239.1	2.42
Colorado	3,544	300.3	2.98	—	—	—	—	—	—	3,544	300.3	2.98
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	168	184.3	1.95	32	228.8	2.62	—	—	—	199	191.8	2.06
Nevada	—	—	—	28,081	212.7	2.20	23,731	250.8	2.59	51,812	230.2	2.38
New Mexico	11,654	235.0	2.37	27,515	213.6	2.16	—	—	—	39,169	220.0	2.22
Utah	—	—	—	79	186.9	1.94	3,966	202.8	2.12	4,045	202.5	2.11
Wyoming	77	796.0	8.31	—	—	—	—	—	—	77	796.0	8.31
Pacific Contiguous	**23,136**	**194.4**	**1.95**	**62,548**	**276.4**	**2.79**	**209,976**	**258.8**	**2.65**	**295,660**	**257.5**	**2.63**
California	17,083	220.4	2.21	62,546	276.4	2.79	187,114	270.4	2.77	266,743	268.6	2.74
Oregon	6,053	121.8	1.23	—	—	—	22,862	162.6	1.64	28,915	154.1	1.56
Washington	—	—	—	2	325.9	3.44	—	—	—	2	325.9	3.44
Pacific Noncontiguous	**18,887**	**179.8**	**1.80**	**—**	**—**	**—**	**—**	**—**	**—**	**18,887**	**179.8**	**1.80**
Alaska	18,887	179.8	1.80	—	—	—	—	—	—	18,887	179.8	1.80
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**1,254,684**	**245.6**	**2.53**	**558,706**	**236.4**	**2.35**	**1,109,566**	**230.5**	**2.37**	**2,922,957**	**238.1**	**2.43**

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.''

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Table 14. Receipts and Average Delivered Cost of Gas by Type, Census Division, and State, 1998

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	**47,377**	**1,029**	**283.7**	**—**	**—**	**—**	**—**	**—**	**—**	**47,377**	**1,029**	**283.7**
Connecticut	10,396	1,030	236.9	—	—	—	—	—	—	10,396	1,030	236.9
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	21,207	1,029	273.8	—	—	—	—	—	—	21,207	1,029	273.8
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	15,586	1,028	328.5	—	—	—	—	—	—	15,586	1,028	328.5
Vermont	187	1,014	286.1	—	—	—	—	—	—	187	1,014	286.1
Middle Atlantic	**226,248**	**1,030**	**252.0**	**—**	**—**	**—**	**—**	**—**	**—**	**226,248**	**1,030**	**252.0**
New Jersey	16,742	1,045	262.0	—	—	—	—	—	—	16,742	1,045	262.0
New York	204,700	1,029	249.6	—	—	—	—	—	—	204,700	1,029	249.6
Pennsylvania	4,807	1,029	316.5	—	—	—	—	—	—	4,807	1,029	316.5
East North Central	**81,193**	**1,018**	**235.0**	**21,625**	**125**	**96.4**	**—**	**—**	**—**	**102,818**	**830**	**230.6**
Illinois	51,887	1,019	220.7	—	—	—	—	—	—	51,887	1,019	220.7
Indiana	4,258	1,025	280.5	—	—	—	—	—	—	4,258	1,025	280.5
Michigan	19,189	1,012	251.3	21,625	125	96.4	—	—	—	40,813	542	232.4
Ohio	1,532	1,027	308.4	—	—	—	—	—	—	1,532	1,027	308.4
Wisconsin	4,328	1,013	264.1	—	—	—	—	—	—	4,328	1,013	264.1
West North Central	**43,200**	**1,002**	**224.1**	**—**	**—**	**—**	**—**	**—**	**—**	**43,200**	**1,002**	**224.1**
Iowa	3,154	1,003	305.9	—	—	—	—	—	—	3,154	1,003	305.9
Kansas	29,899	1,001	213.7	—	—	—	—	—	—	29,899	1,001	213.7
Minnesota	2,176	1,008	233.8	—	—	—	—	—	—	2,176	1,008	233.8
Missouri	5,984	1,011	223.4	—	—	—	—	—	—	5,984	1,011	223.4
Nebraska	1,981	989	242.7	—	—	—	—	—	—	1,981	989	242.7
North Dakota	1	1,050	369.3	—	—	—	—	—	—	1	1,050	369.3
South Dakota	5	1,000	176.7	—	—	—	—	—	—	5	1,000	176.7
South Atlantic	**285,193**	**1,048**	**279.4**	**—**	**—**	**—**	**205**	**1,076**	**133.3**	**285,398**	**1,048**	**279.3**
Delaware	11,148	971	297.7	—	—	—	—	—	—	11,148	971	297.7
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	241,059	1,053	276.2	—	—	—	—	—	—	241,059	1,053	276.2
Georgia	10,682	1,028	316.0	—	—	—	—	—	—	10,682	1,028	316.0
Maryland	4,988	1,047	263.2	—	—	—	—	—	—	4,988	1,047	263.2
North Carolina	1,879	1,048	267.9	—	—	—	—	—	—	1,879	1,048	267.9
South Carolina	435	1,024	353.4	—	—	—	—	—	—	435	1,024	353.4
Virginia	14,654	1,049	297.7	—	—	—	205	1,076	133.3	14,859	1,050	295.4
West Virginia	348	1,000	351.4	—	—	—	—	—	—	348	1,000	351.4
East South Central	**56,595**	**1,039**	**224.5**	**—**	**—**	**—**	**—**	**—**	**—**	**56,595**	**1,039**	**224.5**
Alabama	1,731	1,044	247.5	—	—	—	—	—	—	1,731	1,044	247.5
Kentucky	805	1,024	331.9	—	—	—	—	—	—	805	1,024	331.9
Mississippi	54,059	1,039	222.1	—	—	—	—	—	—	54,059	1,039	222.1
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**1,712,041**	**1,028**	**227.0**	**—**	**—**	**—**	**—**	**—**	**—**	**1,712,041**	**1,028**	**227.0**
Arkansas	22,561	1,023	224.0	—	—	—	—	—	—	22,561	1,023	224.0
Louisiana	289,492	1,043	227.4	—	—	—	—	—	—	289,492	1,043	227.4
Oklahoma	177,976	1,030	241.2	—	—	—	—	—	—	177,976	1,030	241.2
Texas	1,222,012	1,024	224.9	—	—	—	—	—	—	1,222,012	1,024	224.9
Mountain	**134,733**	**1,021**	**230.8**	**—**	**—**	**—**	**—**	**—**	**—**	**134,733**	**1,021**	**230.8**
Arizona	35,888	1,014	239.1	—	—	—	—	—	—	35,888	1,014	239.1
Colorado	3,544	994	300.3	—	—	—	—	—	—	3,544	994	300.3
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	199	1,072	191.8	—	—	—	—	—	—	199	1,072	191.8
Nevada	51,812	1,034	230.2	—	—	—	—	—	—	51,812	1,034	230.2
New Mexico	39,169	1,010	220.0	—	—	—	—	—	—	39,169	1,010	220.0
Utah	4,045	1,044	202.5	—	—	—	—	—	—	4,045	1,044	202.5
Wyoming	77	1,044	796.0	—	—	—	—	—	—	77	1,044	796.0
Pacific Contiguous	**295,660**	**1,020**	**257.5**	**—**	**—**	**—**	**—**	**—**	**—**	**295,660**	**1,020**	**257.5**
California	266,743	1,021	268.6	—	—	—	—	—	—	266,743	1,021	268.6
Oregon	28,915	1,011	154.1	—	—	—	—	—	—	28,915	1,011	154.1
Washington	2	1,055	325.9	—	—	—	—	—	—	2	1,055	325.9
Pacific Noncontiguous	**18,887**	**1,000**	**179.8**	**—**	**—**	**—**	**—**	**—**	**—**	**18,887**	**1,000**	**179.8**
Alaska	18,887	1,000	179.8	—	—	—	—	—	—	18,887	1,000	179.8
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**2,901,128**	**1,028**	**238.2**	**21,625**	**125**	**96.4**	**205**	**1,076**	**133.3**	**2,922,957**	**1,022**	**238.1**

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, 1998

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	**417,196**	**141,888**	**226,571**	**48,737**	**34.0**	**54.3**	**11.7**	**167.6**	**203.5**	**283.7**
Connecticut	118,647	17,263	90,680	10,704	14.5	76.4	9.0	181.1	218.7	236.9
Maine	20,349	—	20,349	—	—	100.0	—	—	202.1	—
Massachusetts	209,495	87,633	100,043	21,820	41.8	47.8	10.4	167.6	192.6	273.8
New Hampshire	52,468	36,992	15,476	—	70.5	29.5	—	161.2	187.2	—
Rhode Island	16,024	—	—	16,024	—	—	100.0	—	—	328.5
Vermont	213	—	23	190	—	10.7	89.3	—	327.1	286.1
Middle Atlantic	**1,821,012**	**1,386,424**	**201,531**	**233,057**	**76.1**	**11.1**	**12.8**	**137.6**	**210.6**	**252.0**
New Jersey	89,267	60,643	11,121	17,503	67.9	12.5	19.6	159.0	242.2	262.0
New York	598,442	242,673	145,159	210,609	40.6	24.3	35.2	143.4	203.5	249.6
Pennsylvania	1,133,303	1,083,108	45,251	4,944	95.6	4.0	.4	135.0	225.7	316.5
East North Central	**4,535,091**	**4,421,009**	**28,756**	**85,326**	**97.5**	**.6**	**1.9**	**129.9**	**288.7**	**230.6**
Illinois	834,110	773,462	7,756	52,891	92.7	.9	6.3	155.7	275.2	220.7
Indiana	1,208,152	1,200,903	2,883	4,366	99.4	.2	.4	112.3	319.4	280.5
Michigan	774,587	737,443	15,034	22,110	95.2	1.9	2.9	133.4	280.6	232.4
Ohio	1,277,712	1,273,297	2,842	1,574	99.7	.2	.1	136.5	332.6	308.4
Wisconsin	440,530	435,904	241	4,385	98.9	.1	1.0	107.4	348.9	264.1
West North Central	**2,302,640**	**2,255,405**	**3,930**	**43,306**	**97.9**	**.2**	**1.9**	**88.9**	**292.6**	**224.1**
Iowa	377,938	374,066	708	3,164	99.0	.2	.8	87.6	332.9	305.9
Kansas	352,233	320,794	1,506	29,933	91.1	.4	8.5	98.1	265.5	213.7
Minnesota	320,720	318,267	259	2,194	99.2	.1	.7	106.9	352.7	233.8
Missouri	696,840	689,840	951	6,049	99.0	.1	.9	91.7	275.0	223.4
Nebraska	207,035	204,991	85	1,960	99.0	*	.9	58.6	354.5	242.7
North Dakota	318,213	317,790	422	1	99.9	.1	*	76.2	311.9	369.3
South Dakota	29,662	29,657	—	5	100.0	—	*	92.7	—	176.7
South Atlantic[1]	**4,702,868**	**3,930,915**	**472,804**	**299,149**	**83.6**	**10.1**	**6.4**	**144.7**	**209.2**	**279.3**
Delaware	69,454	45,208	13,418	10,828	65.1	19.3	15.6	156.3	214.7	297.7
District of Columbia	2,680	—	2,680	—	—	100.0	—	—	252.9	—
Florida[1]	1,312,334	677,720	380,852	253,762	51.6	29.0	19.3	164.8	205.9	276.2
Georgia	761,361	746,088	4,291	10,982	98.0	.6	1.4	154.5	327.6	316.0
Maryland	323,373	280,127	38,026	5,220	86.6	11.8	1.6	145.7	211.5	263.2
North Carolina	694,084	689,757	2,358	1,969	99.4	.3	.3	143.8	310.5	267.9
South Carolina	332,610	331,533	632	446	99.7	.2	.1	144.7	327.6	353.4
Virginia	364,750	320,503	28,652	15,595	87.9	7.9	4.3	137.8	203.7	295.4
West Virginia	842,222	839,979	1,895	348	99.7	.2	*	122.2	370.9	351.4
East South Central[1]	**2,443,695**	**2,326,766**	**58,142**	**58,787**	**95.2**	**2.4**	**2.4**	**126.0**	**205.7**	**224.5**
Alabama[1]	714,788	712,324	657	1,808	99.7	.1	.3	157.5	287.6	247.5
Kentucky[1]	857,977	855,934	1,219	824	99.8	.1	.1	105.9	383.3	331.9
Mississippi	235,943	124,413	55,375	56,154	52.7	23.5	23.8	153.8	199.2	222.1
Tennessee[1]	634,986	634,095	891	—	99.9	.1	—	112.5	304.5	—
West South Central	**4,029,776**	**2,260,083**	**10,156**	**1,759,537**	**56.1**	**.3**	**43.7**	**123.4**	**250.1**	**227.0**
Arkansas	269,395	245,786	536	23,073	91.2	.2	8.6	147.2	370.8	224.0
Louisiana	537,502	227,428	8,145	301,929	42.3	1.5	56.2	142.9	222.3	227.4
Oklahoma	525,060	341,671	44	183,345	65.1	*	34.9	91.0	292.2	241.2
Texas	2,697,819	1,445,198	1,432	1,251,188	53.6	.1	46.4	123.9	362.1	224.9
Mountain	**2,318,337**	**2,178,684**	**2,120**	**137,533**	**94.0**	**.1**	**5.9**	**107.3**	**423.9**	**230.8**
Arizona	420,755	383,533	842	36,380	91.2	.2	8.6	133.1	429.0	239.1
Colorado	358,747	355,225	—	3,522	99.0	—	1.0	98.7	—	300.3
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	177,732	177,435	83	214	99.8	*	.1	67.4	466.0	191.8
Nevada	233,689	179,966	173	53,550	77.0	.1	22.9	129.8	379.6	230.2
New Mexico	327,615	287,749	303	39,563	87.8	.1	12.1	130.6	439.3	220.0
Utah	341,433	336,962	247	4,224	98.7	.1	1.2	114.8	439.6	202.5
Wyoming	458,366	457,813	472	80	99.9	.1	*	78.6	405.5	796.0
Pacific Contiguous	**437,602**	**135,305**	**748**	**301,549**	**30.9**	**.2**	**68.9**	**138.4**	**292.4**	**257.5**
California	272,940	—	627	272,314	—	.2	99.8	—	274.7	268.6
Oregon	64,252	34,984	35	29,233	54.4	.1	45.5	108.9	331.9	154.1
Washington	100,410	100,321	86	2	99.9	.1	*	148.7	405.3	325.9
Pacific Noncontiguous	**62,227**	**—**	**43,340**	**18,887**	**—**	**69.6**	**30.4**	**—**	**261.5**	**179.8**
Alaska	18,887	—	—	18,887	—	—	100.0	—	—	179.8
Hawaii	43,340	—	43,340	—	—	100.0	—	—	261.5	—
Total	**23,070,443**	**19,036,478**	**1,048,098**	**2,985,866**	**82.5**	**4.5**	**12.9**	**125.2**	**213.6**	**238.1**

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

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

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

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

Origin and Destination of Coal

Table 16. Origin of Coal by State, 1998

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	16,661	12,348	1.11	0.90	12.15	183.5	45.31
Arizona	12,183	10,948	.53	.48	9.64	120.0	26.28
Colorado	22,687	10,994	.46	.42	8.55	123.9	27.25
Illinois	34,961	11,345	2.23	1.96	8.89	131.9	29.93
Indiana	33,106	11,043	2.30	2.09	9.31	109.6	24.20
Kansas	353	10,931	4.08	3.73	19.33	102.1	22.33
Kentucky	120,492	12,214	1.56	1.28	10.46	134.8	32.93
Louisiana	3,432	6,764	.89	1.32	14.25	136.9	18.53
Maryland	3,951	12,350	1.66	1.35	14.54	122.8	30.33
Missouri	193	11,105	3.23	2.90	14.98	118.1	26.24
Montana	40,195	9,016	.53	.59	6.74	117.4	21.16
New Mexico	26,899	9,351	.70	.75	19.80	137.2	25.65
North Dakota	24,138	6,562	.76	1.16	9.11	76.2	10.00
Ohio	23,270	11,752	3.54	3.01	10.93	142.9	33.58
Oklahoma	162	12,664	3.50	2.76	10.48	109.5	27.73
Pennsylvania	58,095	12,612	1.81	1.43	11.04	131.6	33.19
Tennessee	2,435	12,433	1.29	1.04	10.53	127.8	31.77
Texas	49,342	6,405	1.04	1.63	16.09	100.3	12.84
Utah	18,933	11,520	.47	.40	10.59	114.9	26.47
Virginia	16,818	12,865	.99	.77	9.73	143.9	37.03
Washington	4,624	7,849	.67	.85	14.69	159.3	25.00
West Virginia	106,110	12,351	1.52	1.23	11.50	138.4	34.18
Wyoming	304,562	8,667	.34	.39	5.26	110.4	19.14
Subtotal	**923,603**	**10,230**	**1.07**	**1.04**	**9.21**	**124.9**	**25.56**
Imported[1]	5,845	11,967	.61	.51	5.67	155.6	37.24
Total	**929,448**	**10,241**	**1.06**	**1.04**	**9.18**	**125.2**	**25.64**

1 Imported includes coal from Indonesia, Colombia, and Venezuela.

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

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

Table 17. Receipts of Lignite by Electric Utility, 1998

Electric Utility	Receipts (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Basin Electric Power Coop	9,291	6,610	0.70	1.06	8.29	74.9	9.91
Central Louisiana Elec Co Inc	3,555	6,760	.92	1.35	14.27	136.8	18.49
Coop Power Assn	7,046	6,246	.68	1.09	11.05	81.1	10.13
Houston Lighting & Power Co	8,708	6,467	.98	1.52	17.42	91.3	11.81
Minnkota Power Coop Inc	4,136	6,702	.85	1.27	8.30	64.5	8.65
Montana-Dakota Utilities Co	3,025	6,924	1.00	1.44	8.46	87.8	12.15
San Miguel Electric Coop Inc	3,523	5,215	1.78	3.42	27.45	69.4	7.24
Southwestern Electric Power Co	3,598	6,559	1.54	2.35	13.94	111.9	14.68
Texas-New Mexico Power Co	1,761	6,837	.87	1.27	15.27	142.7	19.52
Texas Utilities Electric Co	31,629	6,478	.93	1.44	14.76	101.5	13.15
United Power Assn	917	6,720	.74	1.10	7.90	71.7	9.64
Total	**77,189**	**6,471**	**.95**	**1.46**	**13.80**	**94.3**	**12.20**

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, 1994-1998

Electric Utility Country of Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
1998	**5,845**	**11,967**	**0.61**	**0.51**	**5.7**	**155.6**	**37.24**
Cajun Electric Power Coop Inc	**303**	**9,485**	**.09**	**.09**	**.86**	**187.6**	**35.58**
Indonesia	303	9,485	.09	.09	.86	187.6	35.58
Central Hudson Gas and Elect	**594**	**13,070**	**.63**	**.48**	**7.1**	**167.3**	**43.72**
Colombia	35	13,309	.62	.47	7.38	169.8	45.20
Venezuela	**559**	**13,055**	**.63**	**.48**	**7.1**	**167.1**	**43.63**
Central Power & Light Co	**103**	**12,588**	**.69**	**.55**	**7.7**	**168.5**	**42.42**
Colombia	60	12,760	.66	.52	6.60	171.0	43.65
Venezuela	42	12,344	.73	.59	9.20	164.8	40.69
Florida Power Corp	**80**	**12,968**	**.73**	**.56**	**5.67**	**166.9**	**43.30**
Venezuela	80	12,968	.73	.56	5.67	166.9	43.30
Gulf Power Co[1]	**434**	**12,415**	**.69**	**.56**	**5.64**	**149.6**	**37.13**
Colombia	321	12,349	.65	.53	5.25	150.4	37.15
Venezuela	112	12,602	.81	.64	6.74	147.2	37.10
Jacksonville Electric Auth	**1,588**	**11,821**	**.66**	**.56**	**6.84**	**145.1**	**34.30**
Colombia	1,588	11,821	.66	.56	6.84	145.1	34.30
Mississippi Power Co	**174**	**12,586**	**.75**	**.60**	**6.94**	**140.4**	**35.35**
Venezuela	174	12,586	.75	.60	6.94	140.4	35.35
New England Power Co	**939**	**12,578**	**.65**	**.52**	**6.18**	**160.9**	**40.48**
Colombia	467	12,116	.62	.51	5.82	169.9	41.16
Venezuela	472	13,036	.68	.53	6.54	152.7	39.81
Public Service Co of NH	**366**	**12,940**	**.65**	**.50**	**5.70**	**150.5**	**38.95**
Colombia	35	13,188	.64	.49	5.50	172.8	45.58
Venezuela	331	12,914	.65	.51	5.72	148.1	38.25
Public Service Electric&Gas Co	**39**	**12,998**	**.68**	**.52**	**5.50**	**155.3**	**40.37**
Venezuela	39	12,998	.68	.52	5.50	155.3	40.37
San Antonio City of	**67**	**11,972**	**.57**	**.47**	**5.21**	**190.9**	**45.70**
Colombia	24	11,600	.33	.28	3.80	200.6	46.54
Venezuela	43	12,179	.70	.57	6.00	185.7	45.22
Savannah Electric & Power Co	**414**	**12,492**	**1.01**	**.81**	**7.19**	**144.6**	**36.14**
Venezuela	414	12,492	1.01	.81	7.19	144.6	36.14
Tampa Electric Co	**597**	**9,515**	**.21**	**.22**	**1.09**	**157.1**	**29.89**
Indonesia	597	9,515	.21	.22	1.09	157.1	29.89
United Illuminating Co	**106**	**13,084**	**.60**	**.46**	**5.47**	**171.0**	**44.75**
Venezuela	106	13,084	.60	.46	5.47	171.0	44.75
1997	**4,871**	**11,848**	**.68**	**.57**	**5.81**	**159.5**	**37.80**
Central Hudson Gas and Elect	**497**	**13,131**	**.65**	**.49**	**6.63**	**172.6**	**45.32**
Colombia	147	13,032	.65	.50	7.17	171.3	44.64
Venezuela	350	13,172	.65	.49	6.40	173.1	45.61
Central Power & Light Co	**26**	**11,665**	**.47**	**.40**	**6.00**	**173.2**	**40.41**
Colombia	26	11,665	.47	.40	6.00	173.2	40.41
Jacksonville Electric Auth	**1,385**	**11,851**	**.78**	**.66**	**7.42**	**150.1**	**35.59**
Colombia	1,385	11,851	.78	.66	7.42	150.1	35.59
New England Power Co	**1,460**	**12,365**	**.65**	**.52**	**6.01**	**165.4**	**40.90**
Colombia	1,078	12,112	.63	.52	5.93	166.2	40.26
Venezuela	383	13,078	.68	.52	6.22	163.3	42.70
Public Service Co of NH	**305**	**12,345**	**.64**	**.52**	**5.98**	**164.7**	**40.66**
Colombia	35	13,231	.63	.48	6.70	160.1	42.37
Venezuela	229	12,217	.67	.55	6.13	160.7	39.27
Indonesia	41	12,300	.49	.40	4.50	190.7	46.92
San Antonio City of	**73**	**11,603**	**.34**	**.29**	**3.89**	**176.9**	**41.06**
Colombia	73	11,603	.34	.29	3.89	176.9	41.06
Savannah Electric & Power Co	**279**	**11,949**	**1.28**	**1.07**	**7.72**	**135.1**	**32.29**
Venezuela	279	11,949	1.28	1.07	7.72	135.1	32.29
Tacoma Public Utilities	**10**	**10,144**	**.43**	**.42**	**12.25**	**171.4**	**34.79**
Canada	10	10,144	.43	.42	12.25	171.4	34.79
Tampa Electric Co	**800**	**9,859**	**.43**	**.44**	**1.59**	**159.6**	**31.47**
Venezuela	59	12,953	1.47	1.13	3.50	130.2	33.73
Indonesia	741	9,614	.35	.37	1.44	162.7	31.29
United Illuminating Co	**35**	**13,387**	**.64**	**.48**	**4.30**	**169.6**	**45.41**
Venezuela	35	13,387	.64	.48	4.30	169.6	45.41
1996	**4,699**	**11,797**	**.63**	**.53**	**5.77**	**161.5**	**38.10**
Gulf Power Co[1]	**298**	**12,207**	**.96**	**.79**	**5.94**	**231.9**	**56.61**
Venezuela	298	12,207	.96	.79	5.94	231.9	56.61
Jacksonville Electric Auth	**1,417**	**11,810**	**.66**	**.56**	**7.71**	**152.9**	**36.11**
Colombia	1,417	11,810	.66	.56	7.71	152.9	36.11
New England Power Co	**1,766**	**12,586**	**.65**	**.51**	**6.00**	**159.9**	**40.25**
Colombia	630	12,032	.58	.48	5.60	161.7	38.91
Venezuela	1,135	12,893	.68	.53	6.23	159.0	40.99
Public Service Co of NH	**154**	**12,586**	**.60**	**.48**	**5.72**	**174.2**	**43.84**
Colombia	32	12,169	.66	.54	5.68	161.9	39.41
Venezuela	96	12,774	.55	.43	5.07	181.3	46.32
Indonesia	26	12,412	.72	.58	8.20	161.9	40.19
Savannah Electric & Power Co	**210**	**12,143**	**1.08**	**.89**	**6.71**	**152.8**	**37.11**
Venezuela	210	12,143	1.08	.89	6.71	152.8	37.11

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, 1994-1998 (Continued)

Electric Utility Country of Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
1996							
Tacoma Public Utilities	**18**	**9,861**	**0.44**	**0.45**	**12.97**	**174.6**	**34.44**
Canada	18	9,861	.44	.45	12.97	174.6	34.44
Tampa Electric Co	**808**	**9,655**	**.29**	**.30**	**1.48**	**149.7**	**28.91**
Indonesia	808	9,655	.29	.30	1.48	149.7	28.91
United Illuminating Co	**28**	**13,174**	**.61**	**.46**	**4.10**	**185.0**	**48.74**
Venezuela	28	13,174	.61	.46	4.10	185.0	48.74
1995	**4,398**	**12,070**	**.68**	**.56**	**6.26**	**171.8**	**41.46**
Central Hudson Gas and Elect	**28**	**13,281**	**.56**	**.42**	**7.30**	**224.1**	**59.53**
Venezuela	28	13,281	.56	.42	7.30	224.1	59.53
Delmarva Power & Light Co	**7**	**13,141**	**.75**	**.57**	**7.07**	**180.3**	**47.39**
Colombia	7	13,141	.75	.57	7.07	180.3	47.39
Gulf Power Co[1]	**891**	**12,342**	**.93**	**.75**	**6.32**	**231.5**	**57.16**
Venezuela	891	12,342	.93	.75	6.32	231.5	57.16
Jacksonville Electric Auth	**1,341**	**11,826**	**.67**	**.57**	**7.52**	**151.5**	**35.82**
Colombia	1,341	11,826	.67	.57	7.52	151.5	35.82
New England Power Co	**1,462**	**12,577**	**.64**	**.51**	**6.16**	**159.6**	**40.15**
Colombia	558	12,195	.60	.49	5.24	157.1	38.33
Venezuela	904	12,813	.67	.52	6.73	161.0	41.27
Public Service Co of NH	**296**	**12,658**	**.61**	**.48**	**6.16**	**162.2**	**41.06**
Colombia	134	12,634	.61	.48	6.45	162.5	41.07
Venezuela	82	13,044	.71	.54	7.24	156.5	40.84
Indonesia	80	12,300	.52	.42	4.56	167.8	41.28
Tacoma Public Utilities	**24**	**10,066**	**.47**	**.47**	**13.14**	**166.0**	**33.42**
Canada	24	10,066	.47	.47	13.14	166.0	33.42
Tampa Electric Co	**349**	**9,696**	**.31**	**.32**	**1.16**	**143.8**	**27.88**
Indonesia	349	9,696	.31	.32	1.16	143.8	27.88
1994	**4,965**	**12,013**	**.65**	**.54**	**6.49**	**153.5**	**36.87**
Baltimore Gas & Electric Co	**88**	**12,379**	**.66**	**.53**	**7.36**	**147.3**	**36.46**
Colombia	88	12,379	.66	.53	7.36	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**	**9.00**	**145.5**	**35.50**
Colombia	27	12,200	.70	.57	9.00	145.5	35.50
Central Power & Light Co	**153**	**11,929**	**.55**	**.46**	**5.03**	**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**	**5.98**	**168.2**	**41.61**
Colombia	22	12,370	.58	.47	5.98	168.2	41.61
Detroit Edison Co	**57**	**11,005**	**.23**	**.21**	**10.28**	**149.9**	**32.99**
Canada	57	11,005	.23	.21	10.28	149.9	32.99
Florida Power Corp	**84**	**12,778**	**.64**	**.50**	**6.50**	**156.3**	**39.93**
Venezuela	84	12,778	.64	.50	6.50	156.3	39.93
Gulf Power Co[1]	**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

[1] Coal shown as imported from Venezuela and delivered to the Gulf Power Company during 1993 thru 1996 included some coal that was a mixture of Illinois and Venezuela coal delivered under contract to the company.

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

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

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1998

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	1,053	11,951	2.00	1.68	12.30	134.0	32.03
Alabama Power Co	16,476	12,360	1.04	.84	12.20	184.3	45.56
American Mun Power Ohio Inc	826	11,589	5.18	4.47	15.05	83.5	19.35
Appalachian Power Co	12,419	12,247	.75	.62	11.96	139.0	34.04
Atlantic City Electric Co	676	12,804	1.99	1.56	10.06	184.9	47.35
Baltimore Gas & Electric Co	5,058	12,782	.88	.69	9.98	139.9	35.76
Big Rivers Electric Corp	652	11,236	1.76	1.57	13.76	106.5	23.93
Cardinal Operating Co	4,404	12,256	1.70	1.38	11.90	158.2	38.78
Carolina Power & Light Co	12,369	12,342	.91	.74	11.31	148.4	36.63
Cedar Falls City of	24	12,917	2.76	2.13	8.61	141.1	36.44
Central Hudson Gas & Elec Corp	397	12,926	.66	.51	8.45	169.1	43.72
Central Illinois Light Co	9	13,322	.76	.57	5.60	169.0	45.03
Central Operating Co	2,487	12,158	1.50	1.23	12.94	122.5	29.79
Cincinnati Gas & Electric Co	11,461	12,053	2.20	1.82	11.21	111.1	26.77
Cleveland Electric Illum Co	4,333	12,919	1.89	1.46	8.62	138.2	35.71
Columbia City of	28	13,193	1.19	.90	7.50	202.2	53.36
Columbus Southern Power Co	4,367	11,910	2.76	2.32	9.26	139.7	33.27
Consumers Power Co	5,372	12,388	.82	.66	10.68	158.8	39.34
Dayton Power & Light Co	8,366	11,662	.79	.68	14.20	125.4	29.24
Delmarva Power & Light Co	1,744	12,962	.98	.75	8.93	156.3	40.52
Detroit Edison Co	6,725	13,078	1.46	1.12	7.41	129.6	33.89
Duke Power Co	16,299	12,438	.89	.72	9.95	140.5	34.96
Duquesne Light Co	2,091	12,634	1.98	1.57	10.65	163.0	41.18
East Kentucky Power Coop Inc	3,752	12,328	.84	.68	10.50	114.0	28.10
Florida Power Corp	5,513	12,594	.83	.66	9.14	173.1	43.61
Gainesville Regional Utilities	639	13,098	.66	.50	7.23	165.8	43.43
Georgia Power Co	24,067	12,515	.95	.76	10.36	156.1	39.08
Grand Haven City of	58	12,915	2.49	1.93	8.65	141.5	36.56
Gulf Power Co	479	12,741	1.10	.87	9.35	164.3	41.87
Hamilton City of	165	12,303	.73	.59	10.10	140.7	34.62
Holland City of	139	13,043	.86	.66	6.07	174.0	45.39
Holyoke Water Power Co	380	13,130	1.04	.79	7.20	178.9	46.98
Indiana-Kentucky Electric Corp	1,557	12,421	2.33	1.87	9.32	138.4	34.38
Indiana Michigan Power Co	2,462	12,309	.96	.78	9.96	121.2	29.83
Jacksonville Electric Auth	1,699	12,707	1.30	1.03	9.82	169.3	43.03
Jamestown City of	96	12,674	2.15	1.69	10.02	130.2	33.00
Kentucky Power Co	2,936	12,231	1.18	.96	9.98	108.4	26.52
Kentucky Utilities Co	6,235	12,160	1.25	1.03	11.73	113.7	27.64
Lakeland City of	585	12,867	1.30	1.01	8.73	175.9	45.27
Lansing City of	652	12,530	.87	.70	8.69	164.0	41.09
Louisville Gas & Electric Co	1,844	11,824	3.33	2.81	13.72	93.5	22.12
Manitowoc Public Utilities	96	13,106	1.23	.94	7.06	161.8	42.40
Marquette City of	18	13,222	.82	.62	7.08	157.9	41.76
Metropolitan Edison Co	1,262	13,213	1.30	.98	7.16	138.8	36.67
Michigan South Central Pwr Agy	139	11,876	3.28	2.76	10.53	158.5	37.66
Mississippi Power Co	45	13,092	.99	.76	7.93	148.8	38.96
Monongahela Power Co	11,969	12,493	3.00	2.40	11.22	109.9	27.47
Montaup Electric Co	308	12,696	.73	.58	7.88	179.5	45.58
New England Power Co	1,846	12,518	.68	.55	10.08	166.6	41.71
New York State Elec & Gas Corp	3,510	12,974	2.10	1.62	8.30	134.3	34.84
Niagara Mohawk Power Corp	3,233	13,124	1.82	1.39	7.28	137.2	36.01
Northern Indiana Pub Serv Co	555	13,030	2.61	2.00	8.69	120.3	31.36
Northern States Power Co	32	13,166	1.09	.83	6.18	182.7	48.11
Ohio Edison Co	6,892	12,143	1.46	1.21	12.85	114.5	27.81
Ohio Power Co	14,258	11,703	2.69	2.30	12.04	168.3	39.40
Ohio Valley Electric Corp	2,841	12,948	2.09	1.61	7.74	110.9	28.73
Orange & Rockland Utils Inc	684	12,965	.64	.50	8.00	185.2	48.03
Orlando Utilities Comm	2,396	12,809	1.08	.84	8.19	173.0	44.31
Orrville City of	190	11,631	3.58	3.07	10.41	98.0	22.79
Painesville City of	94	12,521	2.43	1.94	7.89	135.7	33.97
Pennsylvania Electric Co	19,091	12,103	2.04	1.69	14.86	118.1	28.59
Pennsylvania Power & Light Co	8,275	12,473	1.70	1.36	12.39	143.5	35.80
Pennsylvania Power Co	6,935	12,011	3.44	2.86	12.97	161.9	38.88
Philadelphia Electric Co	1,274	13,185	1.71	1.29	7.74	144.4	38.07
Potomac Edison Co	160	12,229	.92	.76	13.31	131.0	32.03
Potomac Electric Power Co	6,576	13,025	1.35	1.04	8.08	151.7	39.53
PSI Energy Inc	1,150	13,177	2.15	1.63	7.26	106.0	27.94
Public Service Co of NH	1,042	13,200	1.67	1.26	7.06	164.9	43.54
Public Service Electric&Gas Co	1,572	13,253	.77	.58	8.24	147.8	39.19

See footnotes at end of table.

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1998 (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)
Richmond City of	131	12,091	2.45	2.03	9.58	129.7	31.38
Rochester Public Utilities	1	12,650	1.35	1.07	7.90	150.0	37.95
Rochester Gas & Electric Corp	782	13,275	2.21	1.67	7.29	144.5	38.37
Savannah Electric & Power Co	430	10,683	.92	.86	19.40	140.4	29.99
Seminole Electric Coop Inc	1,051	12,941	2.84	2.20	7.95	159.8	41.35
South Carolina Electric&Gas Co	5,965	12,719	1.17	.92	9.71	153.7	39.11
South Carolina Pub Serv Auth	6,131	12,952	1.24	.96	7.88	135.6	35.13
South Mississippi El Pwr Assn	952	12,336	.89	.72	8.82	197.4	48.71
Southern Indiana Gas & Elec Co	65	12,907	1.15	.89	7.14	129.6	33.44
Tampa Electric Co	917	12,835	1.39	1.08	7.83	229.1	58.81
Tennessee Valley Authority	11,778	12,536	1.49	1.19	10.10	123.3	30.90
Toledo Edison Co	328	12,860	.77	.60	8.91	146.4	37.65
United Illuminating Co	551	13,148	.52	.39	7.05	183.0	48.13
Vineland City of	26	12,868	.78	.61	6.21	192.2	49.48
Virginia Electric & Power Co	14,082	12,451	1.26	1.01	11.50	129.2	32.18
West Penn Power Co	5,021	12,769	2.30	1.80	9.50	132.6	33.87
Wisconsin Electric Power Co	2,129	13,165	1.51	1.15	6.94	145.6	38.33
Wyandotte Municipal Serv Comm	110	12,520	1.13	.90	11.05	141.6	35.46
Total	**317,786**	**12,419**	**1.54**	**1.24**	**10.87**	**141.1**	**35.05**

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, 1998

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	456	12,404	2.41	1.94	8.22	132.8	32.94
Alabama Power Co	1,428	12,028	1.73	1.44	11.39	126.7	30.47
Big Rivers Electric Corp	2,371	11,233	3.28	2.92	13.54	94.3	21.19
Cedar Falls City of	2	11,548	2.43	2.10	8.09	151.2	34.92
Central Electric Pwr Coop-MO	147	10,984	2.77	2.52	8.64	129.2	28.38
Central Illinois Light Co	2,889	10,882	2.53	2.33	8.20	143.6	31.25
Central Illinois Pub Serv Co	4,209	10,637	1.32	1.25	8.43	152.0	32.34
Central Iowa Power Coop	147	11,450	2.87	2.51	9.24	115.1	26.35
Cincinnati Gas & Electric Co	101	11,537	2.27	1.97	10.97	110.1	25.41
Commonwealth Edison Co	118	10,845	3.37	3.10	7.96	103.2	22.37
Dairyland Power Coop	765	11,946	.92	.77	6.12	133.8	31.97
Detroit Edison Co	25	11,900	1.29	1.08	6.80	152.3	36.25
Empire District Electric Co	157	12,037	3.21	2.67	12.00	122.1	29.40
Georgia Power Co	677	12,034	1.36	1.13	7.20	137.7	33.14
Grand Haven City of	120	11,025	2.33	2.11	10.54	138.2	30.47
Grand River Dam Authority	87	12,893	3.62	2.81	9.54	101.9	26.27
Gulf Power Co	2,703	12,050	1.66	1.38	7.73	151.6	36.54
Hoosier Energy R E C Inc	3,975	10,972	2.84	2.59	10.54	125.3	27.50
IES Utilities Co	36	12,008	.91	.76	6.78	159.2	38.22
Illinois Power Co	6,602	10,792	2.63	2.43	9.96	108.8	23.47
Independence City of	104	10,801	3.35	3.10	16.61	117.9	25.48
Indiana Michigan Power Co	183	11,575	2.30	1.99	9.43	110.3	25.54
Indianapolis Power & Light Co	7,689	11,069	2.34	2.12	9.13	98.5	21.81
Interstate Power Co	371	11,230	2.52	2.24	9.39	110.8	24.88
Kansas City City of	30	11,831	2.56	2.16	10.30	128.0	30.29
Kansas City Power & Light Co	374	10,908	4.03	3.69	19.13	103.5	22.57
Kentucky Utilities Co	1,103	11,467	2.78	2.43	9.08	101.9	23.36
Louisville Gas & Electric Co	5,104	11,268	3.35	2.97	12.52	98.8	22.27
Madison Gas & Electric Co	156	10,723	1.41	1.31	9.14	137.3	29.45
Manitowoc Public Utilities	17	11,702	.96	.82	6.27	152.4	35.68
Mississippi Power Co	1,421	11,969	1.51	1.26	7.38	141.1	33.78
Muscatine City of	90	11,013	1.35	1.23	8.90	125.0	27.53
Northern Indiana Pub Serv Co	2,705	11,029	2.94	2.67	9.53	122.3	26.98
Owensboro City of	1,321	10,819	3.12	2.89	12.47	96.2	20.81
PSI Energy Inc	15,181	10,961	1.81	1.65	9.22	110.3	24.18
Richmond City of	148	11,210	2.49	2.22	9.51	134.8	30.23
Rochester Public Utilities	111	11,275	1.31	1.16	8.22	154.3	34.79
Seminole Electric Coop Inc	2,540	11,953	2.94	2.46	7.80	187.4	44.79
Southern Illinois Power Coop	827	10,805	2.95	2.73	16.60	93.5	20.20
Southern Indiana Gas & Elec Co	3,189	11,388	3.61	3.17	9.00	92.9	21.16
Springfield City of	1,053	10,426	3.03	2.91	9.30	116.6	24.31
Springfield City of	179	12,008	.91	.76	6.43	149.4	35.87
St Joseph Light & Power Co	132	10,984	2.91	2.65	9.90	118.6	26.06
Tampa Electric Co	5,575	11,861	2.49	2.10	8.31	146.9	34.85
Tennessee Valley Authority	20,644	11,505	3.08	2.67	12.29	104.5	24.06
Union Electric Co	1,494	11,436	1.74	1.52	8.69	130.0	29.74
Wisconsin Power & Light Co	63	12,113	.85	.70	5.65	158.9	38.50
Total	**98,820**	**11,266**	**2.54**	**2.25**	**10.14**	**117.1**	**26.38**

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, 1998

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	6,053	8,538	0.27	0.31	4.62	118.9	20.30
Ames City of	231	8,871	.18	.21	4.27	145.8	25.86
Arizona Electric Pwr Coop Inc	1,360	9,636	.55	.57	15.12	114.0	21.97
Arizona Public Service Co	12,145	9,162	.66	.72	19.16	113.3	20.76
Arkansas Power & Light Co	11,667	8,709	.28	.32	4.92	149.1	25.97
Associated Electric Coop Inc	9,376	8,831	.19	.21	4.38	85.0	15.01
Basin Electric Power Coop	7,906	8,400	.39	.47	5.08	45.9	7.71
Black Hills Corp	518	8,046	.66	.82	6.98	45.9	7.39
Cajun Electric Power Coop Inc	6,428	8,455	.45	.53	5.42	146.0	24.69
Central Electric Pwr Coop-MO	4	8,399	.41	.49	4.46	133.8	22.47
Central Illinois Pub Serv Co	2,009	9,174	.27	.29	5.41	114.1	20.94
Central Louisiana Elec Co Inc	1,617	8,571	.51	.60	7.25	139.2	23.86
Central Power & Light Co	2,396	9,699	.36	.37	5.56	137.8	26.72
Cleveland Electric Illum Co	51	8,793	.29	.33	5.17	124.9	21.97
Colorado Springs City of	1,590	10,567	.40	.38	7.14	127.6	26.96
Commonwealth Edison Co	15,508	8,841	.33	.37	5.04	223.7	39.56
Consumers Power Co	3,022	8,814	.41	.46	5.71	103.3	18.21
Dairyland Power Coop	1,789	8,804	.19	.21	4.38	100.3	17.66
Deseret Generation & Tran Coop	1,723	10,149	.43	.43	10.24	193.2	39.22
Detroit Edison Co	16,061	9,191	.32	.35	4.51	128.1	23.54
Electric Energy Inc	5,191	8,737	.22	.25	4.48	83.3	14.55
Empire District Electric Co	1,054	8,796	.19	.21	4.38	103.8	18.26
Fremont City of	236	8,618	.28	.33	4.63	92.3	15.91
Georgia Power Co	6,158	8,754	.37	.42	5.31	150.2	26.30
Grand Island City of	406	8,721	.45	.52	5.49	67.6	11.80
Grand River Dam Authority	3,808	8,413	.33	.40	4.99	86.9	14.63
Gulf States Utilities Co	2,141	8,691	.44	.51	5.35	137.8	23.96
Hastings City of	323	8,611	.31	.36	4.84	63.6	10.95
Holland City of	37	12,295	.59	.48	9.70	160.0	39.34
Houston Lighting & Power Co	11,433	8,617	.39	.46	5.06	176.3	30.39
IES Utilities Co	5,329	8,405	.35	.42	5.81	88.1	14.81
Illinois Power Co	1,452	11,754	.52	.44	9.37	137.4	32.29
Indiana-Kentucky Electric Corp	2,929	8,854	.22	.25	4.90	104.3	18.46
Indiana Michigan Power Co	9,245	8,674	.26	.30	4.67	105.6	18.33
Interstate Power Co	1,650	9,408	.42	.45	6.49	145.8	27.43
Kansas City City of	1,632	8,835	.39	.44	5.66	92.7	16.37
Kansas City Power & Light Co	10,377	8,612	.34	.40	5.23	71.5	12.32
Kansas Power & Light Co	9,830	8,684	.38	.44	5.09	112.4	19.52
Lansing City of	464	8,808	.29	.33	5.67	135.6	23.88
Los Angeles City of	5,460	11,710	.52	.44	10.11	134.3	31.45
Lower Colorado River Authority	5,694	8,590	.34	.40	5.47	94.7	16.27
Marquette City of	161	9,345	.34	.36	4.17	115.3	21.56
Minnesota Power & Light Co	4,079	9,064	.54	.60	6.22	114.0	20.66
Mississippi Power Co	3,295	9,314	.38	.41	4.57	145.2	27.05
Montana Power Co	10,243	8,480	.73	.86	9.53	66.9	11.34
Muscatine City of	762	8,513	.91	1.07	6.46	84.2	14.33
Nebraska Public Power District	6,477	8,640	.25	.29	4.59	49.2	8.50
Nevada Power Co	1,826	11,705	.44	.38	8.92	123.2	28.84
Northern Indiana Pub Serv Co	5,929	9,250	.42	.45	5.46	135.8	25.13
Northern States Power Co	13,374	8,803	.41	.46	6.34	103.9	18.29
Oklahoma Gas & Electric Co	9,882	8,630	.29	.34	4.90	82.2	14.20
Omaha Public Power District	4,498	8,488	.27	.32	4.96	69.6	11.81
Otter Tail Power Co	2,087	8,832	.65	.74	8.24	98.8	17.45
PacifiCorp	31,484	9,403	.55	.59	10.16	100.1	18.83
Plains Elec Gen&Trans Coop Inc	767	9,264	.83	.89	17.15	139.0	25.75
Platte River Power Authority	1,050	8,799	.26	.29	5.37	59.4	10.45
Portland General Electric Co	2,014	8,685	.32	.37	5.19	108.9	18.92
Public Service Co of Colorado	10,561	9,663	.38	.39	6.62	92.7	17.91
Public Service Co of NM	6,780	9,271	.84	.91	25.02	164.4	30.48
Public Service Co of Oklahoma	4,266	8,796	.20	.23	4.40	110.5	19.45
Salt River Proj Ag I & P Dist	10,206	10,693	.51	.48	10.56	131.4	28.10
San Antonio City of	5,395	8,371	.34	.41	5.95	97.1	16.26
Sierra Pacific Power Co	1,706	11,466	.38	.33	8.57	147.7	33.86
Sikeston City of	1,046	8,721	.35	.40	5.34	100.2	17.48
Southern California Edison Co	4,503	10,893	.51	.47	10.40	125.6	27.36
Southwestern Electric Power Co	9,138	8,441	.38	.45	4.82	151.4	25.55
Southwestern Public Service Co	8,909	8,873	.35	.40	5.40	161.1	28.59
Springfield City of	1,436	8,746	.37	.42	5.44	105.9	18.52
St Joseph Light & Power Co	302	9,315	.33	.36	5.62	88.9	16.57

See footnotes at end of table.

Table 21. Receipts of Western Region Coal by Electric Utility, 1998 (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)
Sunflower Electric Coop Inc	1,601	8,476	0.30	0.36	5.03	110.7	18.77
Tacoma Public Utilities	1	10,800	.73	.68	66.06	165.5	35.74
Tampa Electric Co	1,064	8,724	.40	.46	5.15	134.4	23.45
Tennessee Valley Authority	10,000	10,648	.45	.42	7.91	113.9	24.25
Texas Municipal Power Agency	1,620	8,506	.31	.37	5.40	119.4	20.32
Texas Utilities Electric Co	1,651	8,726	.36	.41	4.96	108.7	18.96
Toledo Edison Co	1,402	8,722	.32	.36	5.21	120.4	21.00
Tri State G & T Assn Inc	4,861	10,189	.42	.42	7.11	108.6	22.13
Tucson Electric Power Co	3,408	9,436	.77	.81	16.54	141.6	26.72
Union Electric Co	16,123	8,710	.28	.33	5.00	91.3	15.91
UtiliCorp United Inc	1,606	9,614	.38	.39	5.87	90.1	17.33
West Texas Utilities Co	3,113	8,467	.39	.46	5.17	125.5	21.25
Western Farmers Elec Coop Inc	1,705	8,726	.36	.41	5.35	99.5	17.37
Wisconsin Electric Power Co	8,286	9,091	.36	.39	6.05	95.4	17.35
Wisconsin Power & Light Co	8,304	8,637	.38	.44	5.47	106.6	18.41
Wisconsin Public Service Corp	3,565	8,845	.23	.26	4.60	103.2	18.26
Wyandotte Municipal Serv Comm	*	8,852	.32	.36	11.96	126.9	22.47
Total	**429,807**	**9,048**	**.40**	**.44**	**6.94**	**114.7**	**20.76**

* = 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, 1998

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Alabama[1]	**30,920**	**11,519**	**1.13**	**0.99**	**10.45**	**157.5**	**36.28**
Alabama	16,432	12,345	1.10	.89	12.17	183.9	45.40
Colorado	675	11,387	.46	.40	9.73	118.1	26.89
Illinois	1,124	12,266	2.19	1.78	8.65	130.6	32.03
Indiana	61	11,368	3.56	3.13	8.45	110.0	25.01
Kentucky	4,454	12,000	2.02	1.68	11.52	119.9	28.78
Pennsylvania	39	13,269	2.16	1.63	7.49	112.4	29.84
Tennessee	553	12,382	.88	.71	14.31	136.8	33.89
Virginia	35	12,510	.84	.67	9.28	138.7	34.69
West Virginia	1,494	12,195	1.86	1.53	12.38	131.1	31.98
Wyoming	6,053	8,538	.27	.31	4.62	118.9	20.30
Arizona	**18,826**	**10,186**	**.55**	**.54**	**12.70**	**133.1**	**27.12**
Arizona	7,680	10,981	.54	.49	9.19	116.8	25.65
Colorado	207	11,288	.47	.42	9.90	190.1	42.92
Montana	94	9,290	.36	.39	4.19	131.7	24.47
New Mexico	10,593	9,631	.56	.58	15.56	145.6	28.05
Wyoming	251	8,725	.25	.29	5.20	118.5	20.68
Arkansas	**14,173**	**8,671**	**.29**	**.34**	**4.90**	**147.2**	**25.53**
Wyoming	14,173	8,671	.29	.34	4.90	147.2	25.53
Colorado	**18,061**	**9,834**	**.38**	**.39**	**6.73**	**98.7**	**19.41**
Colorado	11,000	10,652	.43	.41	7.99	106.6	22.71
New Mexico	11	12,211	.53	.43	15.23	126.9	30.99
Wyoming	7,051	8,554	.30	.35	4.75	83.2	14.24
Connecticut	**657**	**13,138**	**.53**	**.40**	**6.80**	**181.1**	**47.59**
Kentucky	456	13,115	.50	.38	7.03	183.3	48.09
West Virginia	95	13,308	.61	.46	7.17	181.6	48.34
Imported	106	13,084	.60	.46	5.47	171.0	44.75
Delaware	**1,744**	**12,962**	**.98**	**.75**	**8.93**	**156.3**	**40.52**
Kentucky	92	12,837	.68	.53	6.54	172.2	44.20
Maryland	170	13,222	1.47	1.11	8.91	146.3	38.69
Pennsylvania	523	13,186	1.33	1.01	7.09	142.3	37.54
Virginia	145	13,642	.80	.58	6.14	176.6	48.19
West Virginia	814	12,656	.71	.56	10.89	162.1	41.03
Florida[1]	**27,904**	**12,144**	**1.55**	**1.28**	**8.01**	**164.8**	**40.03**
Alabama	129	12,671	1.05	.83	10.01	160.0	40.55
Illinois	7,466	11,961	2.22	1.86	7.97	162.6	38.89
Indiana	30	10,864	3.03	2.79	10.20	125.2	27.20
Kentucky	13,443	12,544	1.48	1.18	8.49	168.2	42.20
Virginia	789	12,345	.77	.62	9.82	205.9	50.83
West Virginia	2,241	12,726	1.71	1.34	9.16	165.3	42.08
Wyoming	1,064	8,724	.40	.46	5.15	134.4	23.45
Imported	2,741	11,463	.57	.49	5.34	149.3	34.23
Georgia	**31,748**	**11,750**	**.85**	**.72**	**9.40**	**154.5**	**36.31**
Alabama	72	12,363	1.88	1.52	12.21	142.4	35.22
Illinois	677	12,034	1.36	1.13	7.20	137.7	33.14
Kentucky	16,043	12,510	1.02	.82	9.91	149.5	37.40
Tennessee	48	12,921	.65	.50	10.61	155.0	40.06
Virginia	3,447	12,909	.89	.69	9.73	152.9	39.48
West Virginia	4,888	12,093	.75	.62	13.04	180.2	43.58
Wyoming	6,158	8,754	.37	.42	5.31	150.2	26.30
Imported	414	12,492	1.01	.81	7.19	144.6	36.14
Illinois	**39,867**	**9,700**	**1.10**	**1.13**	**6.91**	**155.7**	**30.22**
Colorado	1,204	11,730	.52	.44	9.48	139.6	32.74
Illinois	13,985	10,698	2.46	2.30	9.67	123.3	26.39
Indiana	1,625	11,097	1.00	.90	8.18	152.4	33.83
Kentucky	98	11,635	2.69	2.31	8.87	118.9	27.67
Montana	1,713	9,638	.34	.35	3.86	219.7	42.36
Utah	818	11,488	.46	.40	9.03	157.6	36.21
Wyoming	20,425	8,711	.29	.34	4.92	178.8	31.15
Indiana	**57,091**	**10,517**	**1.63**	**1.55**	**7.94**	**112.3**	**23.63**
Illinois	4,043	11,024	2.35	2.14	9.82	117.2	25.85

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 22. Destination and Origin of Coal by State, 1998 (Continued)

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Indiana (Continued)							
Indiana	28,750	11,034	2.32	2.11	9.30	107.5	23.73
Kentucky	1,406	12,555	1.45	1.16	8.42	121.0	30.38
Ohio	945	11,029	3.80	3.44	12.64	110.4	24.35
Pennsylvania	699	13,114	2.03	1.55	7.55	107.3	28.15
Virginia	813	13,814	.72	.52	5.63	159.6	44.10
West Virginia	2,332	12,527	1.45	1.16	9.82	117.3	29.39
Wyoming	18,103	8,892	.31	.34	4.97	115.7	20.58
Iowa	**21,657**	**8,636**	**.44**	**.51**	**5.57**	**87.6**	**15.12**
Colorado	515	11,748	.49	.42	9.29	132.4	31.12
Illinois	360	11,027	2.54	2.30	9.25	113.6	25.06
Indiana	90	11,013	1.35	1.23	8.90	125.0	27.53
Kentucky	195	11,916	2.46	2.06	9.05	118.2	28.18
Montana	141	9,605	.32	.34	4.11	139.4	26.78
Ohio	11	12,789	4.23	3.31	8.30	139.9	35.78
Pennsylvania	11	13,195	1.32	1.00	8.90	139.9	36.92
West Virginia	1	11,613	2.41	2.08	8.70	163.6	38.00
Wyoming	20,333	8,461	.38	.45	5.37	84.2	14.26
Kansas	**18,445**	**8,696**	**.45**	**.52**	**5.45**	**98.1**	**17.06**
Colorado	886	11,278	.47	.42	9.38	122.3	27.59
Illinois	30	11,831	2.56	2.16	10.30	128.0	30.29
Kansas	353	10,931	4.08	3.73	19.33	102.1	22.33
Missouri	21	10,532	3.21	3.05	15.68	126.5	26.65
Montana	378	9,342	.34	.37	4.08	93.4	17.46
Oklahoma	75	12,400	3.35	2.71	11.56	118.7	29.43
Wyoming	16,702	8,473	.36	.42	4.93	96.1	16.29
Kentucky[1]	**36,962**	**11,579**	**2.37**	**2.04**	**12.66**	**105.9**	**24.52**
Colorado	2,841	11,738	.52	.44	9.31	127.7	29.98
Illinois	246	11,786	2.43	2.06	10.45	100.7	23.74
Indiana	2,022	11,150	3.27	2.93	10.40	96.6	21.53
Kentucky	24,333	11,445	2.62	2.29	13.63	103.8	23.76
Ohio	659	12,183	4.26	3.50	10.63	93.3	22.73
Pennsylvania	75	13,096	2.25	1.72	7.50	109.4	28.67
Utah	22	12,352	.62	.50	10.00	138.8	34.29
West Virginia	6,519	12,157	1.85	1.52	11.84	108.3	26.32
Wyoming	245	8,807	.31	.35	5.35	97.7	17.21
Louisiana	**14,043**	**8,097**	**.56**	**.70**	**7.76**	**142.9**	**23.15**
Colorado	52	11,199	.48	.42	9.73	152.6	34.18
Louisiana	3,432	6,764	.89	1.32	14.25	136.9	18.53
Texas	123	6,623	1.55	2.34	14.81	131.8	17.46
Wyoming	10,134	8,509	.46	.54	5.67	143.1	24.35
Imported	303	9,485	.09	.09	.86	187.6	35.58
Maryland	**10,845**	**12,914**	**1.17**	**.91**	**9.04**	**145.7**	**37.63**
Kentucky	485	13,112	.76	.58	6.52	145.9	38.26
Maryland	678	13,067	1.49	1.14	9.20	176.2	46.06
Pennsylvania	3,249	12,993	1.45	1.11	7.84	147.4	38.30
West Virginia	6,433	12,844	1.03	.80	9.82	141.5	36.35
Massachusetts	**3,473**	**12,617**	**.72**	**.57**	**8.52**	**167.6**	**42.30**
Kentucky	558	12,814	.64	.50	7.13	179.6	46.02
Pennsylvania	183	13,243	1.48	1.11	7.08	160.9	42.61
West Virginia	1,793	12,512	.70	.56	10.31	168.1	42.06
Imported	939	12,578	.65	.52	6.18	160.9	40.48
Michigan	**34,906**	**10,563**	**.67**	**.63**	**6.41**	**133.4**	**28.19**
Colorado	672	12,102	.55	.45	9.08	141.7	34.30
Illinois	25	11,900	1.29	1.08	6.80	152.3	36.25
Indiana	120	11,025	2.33	2.11	10.54	138.2	30.47
Kentucky	4,440	12,795	.87	.68	8.51	150.7	38.56
Montana	10,739	9,412	.37	.39	4.50	145.2	27.33
Ohio	153	11,927	3.19	2.67	10.52	157.6	37.59
Pennsylvania	3,730	13,130	1.51	1.15	6.95	124.9	32.81
Utah	37	12,395	.55	.44	8.50	140.8	34.91
West Virginia	4,913	12,456	1.16	.93	10.55	152.0	37.87
Wyoming	10,078	8,795	.30	.34	5.02	99.4	17.48

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 22. Destination and Origin of Coal by State, 1998 (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)
Minnesota	**17,915**	**8,883**	**0.44**	**0.50**	**6.29**	**106.9**	**19.00**
Illinois	42	11,953	1.38	1.16	6.84	161.0	38.50
Indiana	69	10,861	1.26	1.16	9.07	149.7	32.52
Kentucky	1	12,650	1.35	1.07	7.90	150.0	37.95
Montana	9,486	8,914	.59	.66	7.58	109.7	19.56
Wyoming	8,317	8,815	.26	.29	4.78	102.9	18.15
Mississippi	**5,886**	**10,569**	**.75**	**.71**	**6.03**	**153.8**	**32.51**
Alabama	28	13,083	.74	.57	8.50	148.0	38.73
Illinois	1,415	11,968	1.50	1.26	7.38	141.2	33.79
Kentucky	967	12,342	.91	.73	8.80	196.6	48.52
Montana	2,831	9,412	.37	.39	4.46	147.2	27.70
Pennsylvania	7	13,068	1.46	1.12	7.00	142.2	37.17
Wyoming	463	8,718	.42	.48	5.23	132.3	23.07
Imported	174	12,586	.75	.60	6.94	140.4	35.35
Missouri	**38,589**	**8,938**	**.37**	**.41**	**5.18**	**91.7**	**16.40**
Colorado	30	11,750	.63	.54	8.50	136.9	32.17
Illinois	1,803	11,451	1.91	1.67	8.53	131.1	30.03
Indiana	148	11,100	.67	.60	9.00	130.5	28.97
Kentucky	43	12,613	1.89	1.50	9.38	191.9	48.42
Missouri	172	11,175	3.23	2.89	14.90	117.2	26.19
Wyoming	36,392	8,788	.28	.31	4.95	88.6	15.57
Montana	**10,520**	**8,433**	**.72**	**.85**	**9.49**	**67.4**	**11.36**
Montana	10,123	8,438	.74	.88	9.69	67.9	11.46
Wyoming	397	8,314	.23	.28	4.45	54.4	9.04
Nebraska	**11,940**	**8,584**	**.27**	**.32**	**4.77**	**58.6**	**10.07**
Wyoming	11,940	8,584	.27	.32	4.77	58.6	10.07
Nevada	**8,035**	**11,199**	**.47**	**.42**	**9.68**	**129.8**	**29.07**
Arizona	4,503	10,893	.51	.47	10.40	125.6	27.36
Colorado	20	12,080	.50	.41	9.30	196.1	47.38
Utah	3,512	11,587	.41	.35	8.75	134.5	31.17
New Hampshire	**1,408**	**13,133**	**1.40**	**1.07**	**6.71**	**161.2**	**42.35**
Pennsylvania	814	13,175	1.48	1.13	7.05	166.1	43.78
West Virginia	229	13,289	2.32	1.75	7.10	160.6	42.68
Imported	366	12,940	.65	.50	5.70	150.5	38.95
New Jersey	**2,312**	**13,113**	**1.13**	**.86**	**8.70**	**159.0**	**41.71**
Kentucky	110	12,933	.75	.58	7.53	151.5	39.18
Pennsylvania	*	12,870	.78	.61	6.21	192.2	49.47
Virginia	760	13,969	.73	.52	5.15	153.8	42.97
West Virginia	1,403	12,667	1.39	1.10	10.81	162.9	41.26
Imported	39	12,998	.68	.52	5.50	155.3	40.37
New Mexico	**15,841**	**9,082**	**.80**	**.88**	**22.80**	**130.6**	**23.72**
New Mexico	15,841	9,082	.80	.88	22.80	130.6	23.72
New York	**9,296**	**13,052**	**1.75**	**1.34**	**7.79**	**143.4**	**37.44**
Kentucky	999	12,925	.65	.50	8.23	179.9	46.50
Ohio	5	12,612	3.99	3.16	8.31	127.7	32.21
Pennsylvania	3,770	12,927	1.63	1.26	8.16	136.7	35.35
West Virginia	3,930	13,202	2.31	1.75	7.42	137.1	36.20
Imported	594	13,070	.63	.48	7.08	167.3	43.72
North Carolina	**27,818**	**12,398**	**.89**	**.72**	**10.53**	**143.8**	**35.66**
Kentucky	15,721	12,338	.96	.77	10.42	141.8	35.00
Virginia	408	12,565	1.00	.79	11.15	136.6	34.33
West Virginia	11,689	12,472	.80	.65	10.67	146.7	36.59
North Dakota	**24,199**	**6,566**	**.76**	**1.16**	**9.10**	**76.2**	**10.01**
North Dakota	24,138	6,562	.76	1.16	9.11	76.2	10.00
Wyoming	61	8,226	.38	.46	5.12	77.5	12.75
Ohio	**53,442**	**11,913**	**2.01**	**1.69**	**11.45**	**136.5**	**32.52**
Illinois	2	12,246	.90	.73	5.20	132.3	32.40

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, 1998 (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)
Ohio (Continued)							
Indiana	19	11,515	1.23	1.07	8.55	114.2	26.31
Kentucky	8,492	11,874	.88	.74	12.36	123.6	29.35
Ohio	20,143	11,723	3.49	2.97	10.94	148.9	34.91
Pennsylvania	4,755	13,166	1.87	1.42	7.57	125.9	33.16
Virginia	586	13,668	.74	.54	5.74	125.5	34.30
West Virginia	17,992	12,013	1.11	.92	13.32	133.3	32.04
Wyoming	1,452	8,724	.31	.36	5.21	120.5	21.03
Oklahoma	**19,747**	**8,651**	**.30**	**.35**	**4.87**	**91.0**	**15.74**
Oklahoma	87	12,893	3.62	2.81	9.54	101.9	26.27
Wyoming	19,660	8,633	.29	.33	4.85	90.9	15.69
Oregon	**2,014**	**8,685**	**.32**	**.37**	**5.19**	**108.9**	**18.92**
Wyoming	2,014	8,685	.32	.37	5.19	108.9	18.92
Pennsylvania	**43,948**	**12,323**	**2.19**	**1.78**	**12.86**	**135.0**	**33.28**
Maryland	32	10,751	1.07	.99	23.19	131.4	28.24
Ohio	212	12,016	3.66	3.05	12.95	165.3	39.73
Pennsylvania	34,522	12,320	1.94	1.57	13.21	130.5	32.14
West Virginia	9,182	12,347	3.12	2.52	11.49	151.6	37.43
South Carolina	**12,945**	**12,805**	**1.20**	**.94**	**8.90**	**144.7**	**37.05**
Kentucky	11,287	12,793	1.19	.93	8.74	143.5	36.73
Tennessee	359	12,855	1.41	1.09	8.33	153.6	39.49
Virginia	1,041	12,992	1.36	1.04	10.57	150.6	39.13
West Virginia	258	12,505	.86	.69	10.39	157.6	39.41
South Dakota	**1,699**	**8,728**	**.72**	**.82**	**9.12**	**92.7**	**16.19**
Montana	1,699	8,728	.72	.82	9.12	92.7	16.19
Tennessee [1]	**27,023**	**11,733**	**1.69**	**1.44**	**8.89**	**112.5**	**26.39**
Colorado	1,344	11,704	.50	.43	9.18	116.8	27.34
Illinois	2,915	12,248	2.03	1.66	8.25	107.7	26.37
Kentucky	13,822	12,068	2.21	1.83	9.57	112.9	27.26
Pennsylvania	637	13,166	2.11	1.60	7.85	109.1	28.72
Tennessee	1,476	12,333	1.44	1.17	9.65	116.9	28.84
Utah	1,446	11,917	.58	.49	9.47	123.6	29.46
Virginia	1,924	12,761	1.54	1.21	10.20	129.3	33.00
West Virginia	32	11,891	.71	.60	12.66	137.1	32.60
Wyoming	3,427	8,771	.33	.37	5.42	91.3	16.02
Texas	**96,231**	**7,509**	**.71**	**.95**	**10.82**	**123.9**	**18.61**
Colorado	1,375	10,502	.39	.37	6.06	141.5	29.72
Texas	49,219	6,405	1.04	1.63	16.10	100.2	12.83
Wyoming	45,467	8,596	.37	.43	5.26	142.1	24.43
Imported	170	12,344	.64	.52	6.70	177.1	43.72
Utah	**14,896**	**11,310**	**.46**	**.41**	**11.17**	**114.8**	**25.97**
Colorado	1,797	10,244	.43	.42	10.07	188.8	38.68
Utah	13,099	11,457	.47	.41	11.32	105.8	24.23
Virginia	**12,716**	**12,603**	**.97**	**.77**	**9.96**	**137.8**	**34.73**
Kentucky	2,959	12,804	1.22	.95	7.69	141.9	36.33
Pennsylvania	17	13,150	1.52	1.16	5.50	148.3	39.00
Virginia	6,868	12,612	.94	.75	10.77	133.6	33.69
West Virginia	2,872	12,370	.79	.64	10.39	143.7	35.55
Washington	**6,106**	**8,215**	**.59**	**.72**	**12.14**	**148.7**	**24.44**
Montana	1,482	9,356	.34	.37	4.19	121.1	22.67
Washington	4,624	7,849	.67	.85	14.69	159.3	25.00
West Virginia	**34,130**	**12,305**	**1.86**	**1.51**	**12.17**	**122.2**	**30.06**
Kentucky	32	12,229	.83	.68	10.74	114.1	27.92
Maryland	3,070	12,159	1.72	1.41	15.94	108.6	26.42
Ohio	1,142	12,519	3.85	3.08	9.29	88.9	22.26
Pennsylvania	2,891	12,695	1.50	1.18	10.31	125.3	31.81
West Virginia	26,995	12,271	1.83	1.49	12.06	124.8	30.62

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

Table 22. Destination and Origin of Coal by State, 1998 (Continued)

Destination Origin	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MMBtu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Wisconsin	**23,438**	**9,299**	**0.46**	**0.50**	**5.55**	**107.4**	**19.97**
Colorado	68	12,130	.56	.46	10.09	141.4	34.30
Illinois	828	11,959	.91	.76	6.08	135.7	32.47
Indiana	173	10,818	1.36	1.26	8.86	138.9	30.05
Kentucky	55	13,102	.79	.61	6.67	186.7	48.91
Montana	1,509	9,097	.53	.58	6.02	112.2	20.41
New Mexico	454	12,092	.59	.49	14.37	152.8	36.96
Pennsylvania	2,173	13,161	1.52	1.15	6.95	145.5	38.30
West Virginia	7	13,272	2.11	1.59	7.70	172.5	45.78
Wyoming	18,171	8,625	.30	.35	5.05	95.7	16.50
Wyoming	**26,029**	**8,794**	**.53**	**.61**	**7.52**	**78.6**	**13.83**
Wyoming	26,029	8,794	.53	.61	7.52	78.6	13.83
Total	**929,448**	**10,241**	**1.06**	**1.04**	**9.18**	**125.2**	**25.64**

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

* = Number less than 0.5 rounded to zero.

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

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

Table 23. Origin and Destination of Coal by State, 1998

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	**16,661**	**12,348**	**1.11**	**0.90**	**12.15**	**183.5**	**45.31**
Alabama	16,432	12,345	1.10	.89	12.17	183.9	45.40
Florida	129	12,671	1.05	.83	10.01	160.0	40.55
Georgia	72	12,363	1.88	1.52	12.21	142.4	35.22
Mississippi	28	13,083	.74	.57	8.50	148.0	38.73
Arizona	**12,183**	**10,948**	**.53**	**.48**	**9.64**	**120.0**	**26.28**
Arizona	7,680	10,981	.54	.49	9.19	116.8	25.65
Nevada	4,503	10,893	.51	.47	10.40	125.6	27.36
Colorado	**22,687**	**10,994**	**.46**	**.42**	**8.55**	**123.9**	**27.25**
Alabama	675	11,387	.46	.40	9.73	118.1	26.89
Arizona	207	11,288	.47	.42	9.90	190.1	42.92
Colorado	11,000	10,652	.43	.41	7.99	106.6	22.71
Illinois	1,204	11,730	.52	.44	9.48	139.6	32.74
Iowa	515	11,748	.49	.42	9.29	132.4	31.12
Kansas	886	11,278	.47	.42	9.38	122.3	27.59
Kentucky	2,841	11,738	.52	.44	9.31	127.7	29.98
Louisiana	52	11,199	.48	.42	9.73	152.6	34.18
Michigan	672	12,102	.55	.45	9.08	141.7	34.30
Missouri	30	11,750	.63	.54	8.50	136.9	32.17
Nevada	20	12,080	.50	.41	9.30	196.1	47.38
Tennessee	1,344	11,704	.50	.43	9.18	116.8	27.34
Texas	1,375	10,502	.39	.37	6.06	141.5	29.72
Utah	1,797	10,244	.43	.42	10.07	188.8	38.68
Wisconsin	68	12,130	.56	.46	10.09	141.4	34.30
Illinois	**34,961**	**11,345**	**2.23**	**1.96**	**8.89**	**131.9**	**29.93**
Alabama	1,124	12,266	2.19	1.78	8.65	130.6	32.03
Florida	7,466	11,961	2.22	1.86	7.97	162.6	38.89
Georgia	677	12,034	1.36	1.13	7.20	137.7	33.14
Illinois	13,985	10,698	2.46	2.30	9.67	123.3	26.39
Indiana	4,043	11,024	2.35	2.14	9.82	117.2	25.85
Iowa	360	11,027	2.54	2.30	9.25	113.6	25.06
Kansas	30	11,831	2.56	2.16	10.30	128.0	30.29
Kentucky	246	11,786	2.43	2.06	10.45	100.7	23.74
Michigan	25	11,900	1.29	1.08	6.80	152.3	36.25
Minnesota	42	11,953	1.38	1.16	6.84	161.0	38.50
Mississippi	1,415	11,968	1.50	1.26	7.38	141.2	33.79
Missouri	1,803	11,451	1.91	1.67	8.53	131.1	30.03
Ohio	2	12,246	.90	.73	5.20	132.3	32.40
Tennessee	2,915	12,248	2.03	1.66	8.25	107.7	26.37
Wisconsin	828	11,959	.91	.76	6.08	135.7	32.47
Indiana	**33,106**	**11,043**	**2.30**	**2.09**	**9.31**	**109.6**	**24.20**
Alabama	61	11,368	3.56	3.13	8.45	110.0	25.01
Florida	30	10,864	3.03	2.79	10.20	125.2	27.20
Illinois	1,625	11,097	1.00	.90	8.18	152.4	33.83
Indiana	28,750	11,034	2.32	2.11	9.30	107.5	23.73
Iowa	90	11,013	1.35	1.23	8.90	125.0	27.53
Kentucky	2,022	11,150	3.27	2.93	10.40	96.6	21.53
Michigan	120	11,025	2.33	2.11	10.54	138.2	30.47
Minnesota	69	10,861	1.26	1.16	9.07	149.7	32.52
Missouri	148	11,100	.67	.60	9.00	130.5	28.97
Ohio	19	11,515	1.23	1.07	8.55	114.2	26.31
Wisconsin	173	10,818	1.36	1.26	8.86	138.9	30.05
Kansas	**353**	**10,931**	**4.08**	**3.73**	**19.33**	**102.1**	**22.33**
Kansas	353	10,931	4.08	3.73	19.33	102.1	22.33
Kentucky	**120,492**	**12,214**	**1.56**	**1.28**	**10.46**	**134.8**	**32.93**
Alabama	4,454	12,000	2.02	1.68	11.52	119.9	28.78
Connecticut	456	13,115	.50	.38	7.03	183.3	48.09
Delaware	92	12,837	.68	.53	6.54	172.2	44.20
Florida	13,443	12,544	1.48	1.18	8.49	168.2	42.20
Georgia	16,043	12,510	1.02	.82	9.91	149.5	37.40
Illinois	98	11,635	2.69	2.31	8.87	118.9	27.67
Indiana	1,406	12,555	1.45	1.16	8.42	121.0	30.38
Iowa	195	11,916	2.46	2.06	9.05	118.2	28.18
Kentucky	24,333	11,445	2.62	2.29	13.63	103.8	23.76

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, 1998 (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)							
Maryland	485	13,112	0.76	0.58	6.52	145.9	38.26
Massachusetts	558	12,814	.64	.50	7.13	179.6	46.02
Michigan	4,440	12,795	.87	.68	8.51	150.7	38.56
Minnesota	1	12,650	1.35	1.07	7.90	150.0	37.95
Mississippi	967	12,342	.91	.73	8.80	196.6	48.52
Missouri	43	12,613	1.89	1.50	9.38	191.9	48.42
New Jersey	110	12,933	.75	.58	7.53	151.5	39.18
New York	999	12,925	.65	.50	8.23	179.9	46.50
North Carolina	15,721	12,338	.96	.77	10.42	141.8	35.00
Ohio	8,492	11,874	.88	.74	12.36	123.6	29.35
South Carolina	11,287	12,793	1.19	.93	8.74	143.5	36.73
Tennessee	13,822	12,068	2.21	1.83	9.57	112.9	27.26
Virginia	2,959	12,804	1.22	.95	7.69	141.9	36.33
West Virginia	32	12,229	.83	.68	10.74	114.1	27.92
Wisconsin	55	13,102	.79	.61	6.67	186.7	48.91
Louisiana	**3,432**	**6,764**	**.89**	**1.32**	**14.25**	**136.9**	**18.53**
Louisiana	3,432	6,764	.89	1.32	14.25	136.9	18.53
Maryland	**3,951**	**12,350**	**1.66**	**1.35**	**14.54**	**122.8**	**30.33**
Delaware	170	13,222	1.47	1.11	8.91	146.3	38.69
Maryland	678	13,067	1.49	1.14	9.20	176.2	46.06
Pennsylvania	32	10,751	1.07	.99	23.19	131.4	28.24
West Virginia	3,070	12,159	1.72	1.41	15.94	108.6	26.42
Missouri	**193**	**11,105**	**3.23**	**2.90**	**14.98**	**118.1**	**26.24**
Kansas	21	10,532	3.21	3.05	15.68	126.5	26.65
Missouri	172	11,175	3.23	2.89	14.90	117.2	26.19
Montana	**40,195**	**9,016**	**.53**	**.59**	**6.74**	**117.4**	**21.16**
Arizona	94	9,290	.36	.39	4.19	131.7	24.47
Illinois	1,713	9,638	.34	.35	3.86	219.7	42.36
Iowa	141	9,605	.32	.34	4.11	139.4	26.78
Kansas	378	9,342	.34	.37	4.08	93.4	17.46
Michigan	10,739	9,412	.37	.39	4.50	145.2	27.33
Minnesota	9,486	8,914	.59	.66	7.58	109.7	19.56
Mississippi	2,831	9,412	.37	.39	4.46	147.2	27.70
Montana	10,123	8,438	.74	.88	9.69	67.9	11.46
South Dakota	1,699	8,728	.72	.82	9.12	92.7	16.19
Washington	1,482	9,356	.34	.37	4.19	121.1	22.67
Wisconsin	1,509	9,097	.53	.58	6.02	112.2	20.41
New Mexico	**26,899**	**9,351**	**.70**	**.75**	**19.80**	**137.2**	**25.65**
Arizona	10,593	9,631	.56	.58	15.56	145.6	28.05
Colorado	11	12,211	.53	.43	15.23	126.9	30.99
New Mexico	15,841	9,082	.80	.88	22.80	130.6	23.72
Wisconsin	454	12,092	.59	.49	14.37	152.8	36.96
North Dakota	**24,138**	**6,562**	**.76**	**1.16**	**9.11**	**76.2**	**10.00**
North Dakota	24,138	6,562	.76	1.16	9.11	76.2	10.00
Ohio	**23,270**	**11,752**	**3.54**	**3.01**	**10.93**	**142.9**	**33.58**
Indiana	945	11,029	3.80	3.44	12.64	110.4	24.35
Iowa	11	12,789	4.23	3.31	8.30	139.9	35.78
Kentucky	659	12,183	4.26	3.50	10.63	93.3	22.73
Michigan	153	11,927	3.19	2.67	10.52	157.6	37.59
New York	5	12,612	3.99	3.16	8.31	127.7	32.21
Ohio	20,143	11,723	3.49	2.97	10.94	148.9	34.91
Pennsylvania	212	12,016	3.66	3.05	12.95	165.3	39.73
West Virginia	1,142	12,519	3.85	3.08	9.29	88.9	22.26
Oklahoma	**162**	**12,664**	**3.50**	**2.76**	**10.48**	**109.5**	**27.73**
Kansas	75	12,400	3.35	2.71	11.56	118.7	29.43
Oklahoma	87	12,893	3.62	2.81	9.54	101.9	26.27
Pennsylvania	**58,095**	**12,612**	**1.81**	**1.43**	**11.04**	**131.6**	**33.19**
Alabama	39	13,269	2.16	1.63	7.49	112.4	29.84
Delaware	523	13,186	1.33	1.01	7.09	142.3	37.54

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

Table 23. Origin and Destination of Coal by State, 1998 (Continued)

Origin Destination	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Pennsylvania (Continued)							
Indiana	699	13,114	2.03	1.55	7.55	107.3	28.15
Iowa	11	13,195	1.32	1.00	8.90	139.9	36.92
Kentucky	75	13,096	2.25	1.72	7.50	109.4	28.67
Maryland	3,249	12,993	1.45	1.11	7.84	147.4	38.30
Massachusetts	183	13,243	1.48	1.11	7.08	160.9	42.61
Michigan	3,730	13,130	1.51	1.15	6.95	124.9	32.81
Mississippi	7	13,068	1.46	1.12	7.00	142.2	37.17
New Hampshire	814	13,175	1.48	1.13	7.05	166.1	43.78
New Jersey	*	12,870	.78	.61	6.21	192.2	49.47
New York	3,770	12,927	1.63	1.26	8.16	136.7	35.35
Ohio	4,755	13,166	1.87	1.42	7.57	125.9	33.16
Pennsylvania	34,522	12,320	1.94	1.57	13.21	130.5	32.14
Tennessee	637	13,166	2.11	1.60	7.85	109.1	28.72
Virginia	17	13,150	1.52	1.16	5.50	148.3	39.00
West Virginia	2,891	12,695	1.50	1.18	10.31	125.3	31.81
Wisconsin	2,173	13,161	1.52	1.15	6.95	145.5	38.30
Tennessee	**2,435**	**12,433**	**1.29**	**1.04**	**10.53**	**127.8**	**31.77**
Alabama	553	12,382	.88	.71	14.31	136.8	33.89
Georgia	48	12,921	.65	.50	10.61	155.0	40.06
South Carolina	359	12,855	1.41	1.09	8.33	153.6	39.49
Tennessee	1,476	12,333	1.44	1.17	9.65	116.9	28.84
Texas	**49,342**	**6,405**	**1.04**	**1.63**	**16.09**	**100.3**	**12.84**
Louisiana	123	6,623	1.55	2.34	14.81	131.8	17.46
Texas	49,219	6,405	1.04	1.63	16.10	100.2	12.83
Utah	**18,933**	**11,520**	**.47**	**.40**	**10.59**	**114.9**	**26.47**
Illinois	818	11,488	.46	.40	9.03	157.6	36.21
Kentucky	22	12,352	.62	.50	10.00	138.8	34.29
Michigan	37	12,395	.55	.44	8.50	140.8	34.91
Nevada	3,512	11,587	.41	.35	8.75	134.5	31.17
Tennessee	1,446	11,917	.58	.49	9.47	123.6	29.46
Utah	13,099	11,457	.47	.41	11.32	105.8	24.23
Virginia	**16,818**	**12,865**	**.99**	**.77**	**9.73**	**143.9**	**37.03**
Alabama	35	12,510	.84	.67	9.28	138.7	34.69
Delaware	145	13,642	.80	.58	6.14	176.6	48.19
Florida	789	12,345	.77	.62	9.82	205.9	50.83
Georgia	3,447	12,909	.89	.69	9.73	152.9	39.48
Indiana	813	13,814	.72	.52	5.63	159.6	44.10
New Jersey	760	13,969	.73	.52	5.15	153.8	42.97
North Carolina	408	12,565	1.00	.79	11.15	136.6	34.33
Ohio	586	13,668	.74	.54	5.74	125.5	34.30
South Carolina	1,041	12,992	1.36	1.04	10.57	150.6	39.13
Tennessee	1,924	12,761	1.54	1.21	10.20	129.3	33.00
Virginia	6,868	12,612	.94	.75	10.77	133.6	33.69
Washington	**4,624**	**7,849**	**.67**	**.85**	**14.69**	**159.3**	**25.00**
Washington	4,624	7,849	.67	.85	14.69	159.3	25.00
West Virginia	**106,110**	**12,351**	**1.52**	**1.23**	**11.50**	**138.4**	**34.18**
Alabama	1,494	12,195	1.86	1.53	12.38	131.1	31.98
Connecticut	95	13,308	.61	.46	7.17	181.6	48.34
Delaware	814	12,656	.71	.56	10.89	162.1	41.03
Florida	2,241	12,726	1.71	1.34	9.16	165.3	42.08
Georgia	4,888	12,093	.75	.62	13.04	180.2	43.58
Indiana	2,332	12,527	1.45	1.16	9.82	117.3	29.39
Iowa	1	11,613	2.41	2.08	8.70	163.6	38.00
Kentucky	6,519	12,157	1.85	1.52	11.84	108.3	26.32
Maryland	6,433	12,844	1.03	.80	9.82	141.5	36.35
Massachusetts	1,793	12,512	.70	.56	10.31	168.1	42.06
Michigan	4,913	12,456	1.16	.93	10.55	152.0	37.87
New Hampshire	229	13,289	2.32	1.75	7.10	160.6	42.68
New Jersey	1,403	12,667	1.39	1.10	10.81	162.9	41.26
New York	3,930	13,202	2.31	1.75	7.42	137.1	36.20
North Carolina	11,689	12,472	.80	.65	10.67	146.7	36.59
Ohio	17,992	12,013	1.11	.92	13.32	133.3	32.04

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, 1998 (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)							
Pennsylvania	9,182	12,347	3.12	2.52	11.49	151.6	37.43
South Carolina	258	12,505	.86	.69	10.39	157.6	39.41
Tennessee	32	11,891	.71	.60	12.66	137.1	32.60
Virginia	2,872	12,370	.79	.64	10.39	143.7	35.55
West Virginia	26,995	12,271	1.83	1.49	12.06	124.8	30.62
Wisconsin	7	13,272	2.11	1.59	7.70	172.5	45.78
Wyoming	**304,562**	**8,667**	**.34**	**.39**	**5.26**	**110.4**	**19.14**
Alabama	6,053	8,538	.27	.31	4.62	118.9	20.30
Arizona	251	8,725	.25	.29	5.20	118.5	20.68
Arkansas	14,173	8,671	.29	.34	4.90	147.2	25.53
Colorado	7,051	8,554	.30	.35	4.75	83.2	14.24
Florida	1,064	8,724	.40	.46	5.15	134.4	23.45
Georgia	6,158	8,754	.37	.42	5.31	150.2	26.30
Illinois	20,425	8,711	.29	.34	4.92	178.8	31.15
Indiana	18,103	8,892	.31	.34	4.97	115.7	20.58
Iowa	20,333	8,461	.38	.45	5.37	84.2	14.26
Kansas	16,702	8,473	.36	.42	4.93	96.1	16.29
Kentucky	245	8,807	.31	.35	5.35	97.7	17.21
Louisiana	10,134	8,509	.46	.54	5.67	143.1	24.35
Michigan	10,078	8,795	.30	.34	5.02	99.4	17.48
Minnesota	8,317	8,815	.26	.29	4.78	102.9	18.15
Mississippi	463	8,718	.42	.48	5.23	132.3	23.07
Missouri	36,392	8,788	.28	.31	4.95	88.6	15.57
Montana	397	8,314	.23	.28	4.45	54.4	9.04
Nebraska	11,940	8,584	.27	.32	4.77	58.6	10.07
North Dakota	61	8,226	.38	.46	5.12	77.5	12.75
Ohio	1,452	8,724	.31	.36	5.21	120.5	21.03
Oklahoma	19,660	8,633	.29	.33	4.85	90.9	15.69
Oregon	2,014	8,685	.32	.37	5.19	108.9	18.92
Tennessee	3,427	8,771	.33	.37	5.42	91.3	16.02
Texas	45,467	8,596	.37	.43	5.26	142.1	24.43
Wisconsin	18,171	8,625	.30	.35	5.05	95.7	16.50
Wyoming	26,029	8,794	.53	.61	7.52	78.6	13.83
Imported	**5,845**	**11,967**	**.61**	**.51**	**5.67**	**155.6**	**37.24**
Connecticut	106	13,084	.60	.46	5.47	171.0	44.75
Florida	2,741	11,463	.57	.49	5.34	149.3	34.23
Georgia	414	12,492	1.01	.81	7.19	144.6	36.14
Louisiana	303	9,485	.09	.09	.86	187.6	35.58
Massachusetts	939	12,578	.65	.52	6.18	160.9	40.48
Mississippi	174	12,586	.75	.60	6.94	140.4	35.35
New Hampshire	366	12,940	.65	.50	5.70	150.5	38.95
New Jersey	39	12,998	.68	.52	5.50	155.3	40.37
New York	594	13,070	.63	.48	7.08	167.3	43.72
Texas	170	12,344	.64	.52	6.70	177.1	43.72
Total	**929,448**	**10,241**	**1.06**	**1.04**	**9.18**	**125.2**	**25.64**

* = 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, 1998

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	**1,510**	**12,088**	**2.13**	**1.76**	**11.07**	**133.6**	**32.31**
Alabama	970	11,965	2.05	1.71	12.31	133.2	31.88
Fayette	570	11,943	1.84	1.54	12.04	135.2	32.29
Jefferson	119	12,353	2.16	1.75	11.24	132.0	32.61
Walker	280	11,844	2.42	2.04	13.30	129.7	30.72
Illinois	386	12,484	2.33	1.87	8.62	133.3	33.29
Gallatin	278	12,587	2.70	2.15	9.24	129.6	32.63
Jefferson	48	11,979	.91	.76	6.23	146.3	35.06
Saline	60	12,409	1.77	1.42	7.65	140.8	34.93
Kentucky	154	11,872	2.08	1.76	9.38	137.1	32.55
Boyd	55	11,434	1.78	1.56	12.58	143.2	32.76
Breathitt	28	12,495	.89	.72	11.54	144.3	36.05
Union	70	11,963	2.80	2.34	6.02	129.5	30.98
Alabama Power Co Barry[1]	**3,318**	**12,240**	**.72**	**.59**	**11.97**	**197.1**	**48.25**
Alabama	3,012	12,246	.71	.58	12.38	201.5	49.35
Bibb	45	12,216	.76	.63	12.41	214.2	52.32
Jefferson	2,819	12,206	.70	.58	12.59	204.8	49.99
Tuscaloosa	148	13,031	.72	.55	8.36	139.0	36.22
Illinois	306	12,179	.83	.68	7.88	153.8	37.47
Jefferson	306	12,179	.83	.68	7.88	153.8	37.47
Alabama Power Co Gadsden	**233**	**12,716**	**1.87**	**1.47**	**12.23**	**157.9**	**40.16**
Alabama	233	12,716	1.87	1.47	12.23	157.9	40.16
Jefferson	194	12,758	1.84	1.44	12.16	161.2	41.13
Walker	39	12,510	2.03	1.62	12.59	141.6	35.42
Alabama Power Co Gaston	**4,534**	**12,465**	**.96**	**.77**	**11.80**	**176.7**	**44.05**
Alabama	3,947	12,504	.98	.78	11.71	180.2	45.06
Fayette	491	12,286	1.75	1.43	11.56	134.2	32.98
Jefferson	586	12,483	.68	.54	11.72	188.5	47.05
Shelby	442	12,233	.73	.59	13.38	153.1	37.46
Tuscaloosa	2,115	12,667	.83	.66	11.19	197.4	50.01
Walker	314	12,161	1.68	1.38	13.10	154.4	37.56
Kentucky	244	12,251	1.03	.84	12.39	152.0	37.24
Harlan	29	11,530	1.28	1.11	15.49	139.7	32.21
Knott	128	12,572	1.09	.87	11.76	167.3	42.06
Letcher	46	12,204	.90	.74	10.42	145.7	35.55
West Virginia	343	12,175	.69	.57	12.45	152.7	37.19
Lincoln	295	12,133	.68	.56	12.82	154.7	37.53
Mingo	38	12,408	.74	.59	10.56	142.5	35.35
Wayne	10	12,517	.89	.71	8.89	135.7	33.97
Alabama Power Co Gorgas[1]	**4,449**	**12,176**	**1.62**	**1.33**	**13.04**	**166.3**	**40.50**
Alabama	4,449	12,176	1.62	1.33	13.04	166.3	40.50
Bibb	220	12,331	1.45	1.17	12.85	155.2	38.28
Fayette	1,075	12,232	1.90	1.56	11.96	143.3	35.06
Jefferson	1,496	12,251	1.51	1.24	13.61	183.7	45.02
Walker	1,658	12,052	1.56	1.30	13.25	167.0	40.25
Alabama Power Co Greene	**1,559**	**12,059**	**1.78**	**1.48**	**12.53**	**122.5**	**29.55**
Alabama	9	12,030	2.40	2.00	11.73	136.1	32.75
Walker	9	12,030	2.40	2.00	11.73	136.1	32.75
Kentucky	1,122	11,987	1.98	1.65	12.35	119.1	28.56
Union	1,122	11,987	1.98	1.65	12.35	119.1	28.56
West Virginia	427	12,250	1.27	1.03	13.03	130.9	32.08
Clay	427	12,250	1.27	1.03	13.03	130.9	32.08
Alabama Power Co James Miller	**9,865**	**10,080**	**.41**	**.41**	**7.25**	**161.7**	**32.61**
Alabama	3,812	12,529	.65	.52	11.43	208.1	52.15
Jefferson	2,769	12,472	.63	.51	11.58	204.5	51.02
Tuscaloosa	1,043	12,679	.69	.54	11.03	217.6	55.17
Wyoming	6,053	8,538	.27	.31	4.62	118.9	20.30
Campbell	6,053	8,538	.27	.31	4.62	118.9	20.30
American Mun Power Ohio Inc Richard Gorsuch	**826**	**11,589**	**5.18**	**4.47**	**15.05**	**83.5**	**19.35**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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)
American Mun Power Ohio Inc Richard Gorsuch							
Ohio	826	11,589	5.18	4.47	15.05	83.5	19.35
Noble	826	11,589	5.18	4.47	15.05	83.5	19.35
Ames City of Ames	**231**	**8,871**	**.18**	**.21**	**4.27**	**145.8**	**25.86**
Wyoming	231	8,871	.18	.21	4.27	145.8	25.86
Campbell	231	8,871	.18	.21	4.27	145.8	25.86
Appalachian Power Co Amos	**6,032**	**12,171**	**.78**	**.64**	**11.69**	**141.4**	**34.41**
West Virginia	6,032	12,171	.78	.64	11.69	141.4	34.41
Boone	4,451	12,215	.79	.64	11.22	150.0	36.64
Clay	13	12,027	.68	.56	12.11	125.9	30.30
Fayette	182	12,027	.80	.66	13.48	107.1	25.77
Kanawha	813	12,106	.75	.62	13.12	117.5	28.46
Logan	537	11,965	.74	.62	12.76	118.2	28.28
Nicholas	36	12,032	.67	.56	11.79	127.7	30.72
Webster	*	12,489	.99	.79	11.70	86.7	21.66
Appalachian Power Co Clinch River	**1,889**	**12,387**	**.75**	**.60**	**13.79**	**129.7**	**32.13**
Virginia	1,889	12,387	.75	.60	13.79	129.7	32.13
Dickenson	146	13,387	.83	.62	8.63	114.3	30.61
Russell	1,588	12,274	.73	.60	14.56	131.5	32.27
Wise	155	12,599	.84	.67	10.75	127.5	32.13
Appalachian Power Co Glen Lyn	**715**	**12,802**	**.89**	**.69**	**9.89**	**137.9**	**35.30**
Virginia	715	12,802	.89	.69	9.89	137.9	35.30
Buchanan	252	12,517	.87	.69	10.87	137.0	34.31
Wise	463	12,957	.90	.69	9.36	138.3	35.84
Appalachian Power Co Kanawha River	**1,017**	**12,255**	**.81**	**.66**	**12.21**	**131.9**	**32.32**
West Virginia	1,017	12,255	.81	.66	12.21	131.9	32.32
Boone	25	12,091	.77	.63	13.40	112.3	27.16
Clay	315	12,588	.85	.68	10.79	171.6	43.21
Fayette	300	12,105	.80	.66	12.81	116.2	28.13
Kanawha	376	12,108	.79	.65	12.85	111.0	26.88
Appalachian Power Co Mountaineer	**2,765**	**12,172**	**.65**	**.54**	**11.75**	**143.0**	**34.82**
West Virginia	2,765	12,172	.65	.54	11.75	143.0	34.82
Boone	664	12,140	.65	.54	12.07	171.2	41.57
Clay	142	12,422	.66	.53	11.90	133.6	33.20
Fayette	7	12,134	.65	.54	12.61	111.8	27.12
Kanawha	549	12,210	.67	.55	13.17	121.1	29.58
Logan	241	12,340	.65	.52	12.35	143.4	35.38
Mingo	23	12,235	.66	.54	12.30	112.1	27.43
Nicholas	322	12,511	.66	.53	11.75	140.6	35.19
Wayne	803	11,952	.64	.53	10.30	138.9	33.19
Wyoming	14	11,557	.61	.53	11.46	119.4	27.61
Arizona Electric Pwr Coop Inc Apache	**1,360**	**9,636**	**.55**	**.57**	**15.12**	**114.0**	**21.97**
Colorado	9	11,700	.53	.45	14.78	160.3	37.51
Gunnison	9	11,700	.53	.45	14.78	160.3	37.51
New Mexico	1,352	9,623	.55	.57	15.12	113.7	21.87
Mckinley	1,352	9,623	.55	.57	15.12	113.7	21.87
Arizona Public Service Co Cholla	**3,851**	**9,704**	**.44**	**.45**	**14.14**	**137.5**	**26.68**
Montana	94	9,290	.36	.39	4.19	131.7	24.47
Big Horn	94	9,290	.36	.39	4.19	131.7	24.47
New Mexico	3,506	9,785	.46	.47	15.04	138.8	27.17
Colfax	91	10,679	.54	.50	17.87	125.1	26.72
Mckinley	3,415	9,761	.45	.46	14.97	139.2	27.18
Wyoming	251	8,725	.25	.29	5.20	118.5	20.68
Campbell	104	8,637	.25	.28	4.95	120.4	20.80
Converse	147	8,787	.26	.30	5.37	117.2	20.60
Arizona Public Service Co Four Corners	**8,294**	**8,911**	**.76**	**.86**	**21.50**	**101.0**	**18.01**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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	8,294	8,911	0.76	0.86	21.50	101.0	18.01
San Juan	8,294	8,911	.76	.86	21.50	101.0	18.01
Arkansas Power & Light Co Independence	**5,732**	**8,813**	**.22**	**.25**	**4.66**	**139.1**	**24.52**
Wyoming	5,732	8,813	.22	.25	4.66	139.1	24.52
Campbell	5,732	8,813	.22	.25	4.66	139.1	24.52
Arkansas Power & Light Co Whitebluff	**5,935**	**8,608**	**.34**	**.40**	**5.17**	**159.0**	**27.37**
Wyoming	5,935	8,608	.34	.40	5.17	159.0	27.37
Campbell	5,801	8,612	.34	.40	5.16	159.8	27.52
Carbon	51	8,522	.33	.39	5.14	147.6	25.16
Converse	83	8,362	.35	.42	6.12	108.5	18.15
Associated Electric Coop Inc Hill	**4,659**	**8,835**	**.19**	**.21**	**4.37**	**73.9**	**13.06**
Wyoming	4,659	8,835	.19	.21	4.37	73.9	13.06
Campbell	4,659	8,835	.19	.21	4.37	73.9	13.06
Associated Electric Coop Inc Madrid	**4,717**	**8,827**	**.19**	**.21**	**4.39**	**95.9**	**16.94**
Wyoming	4,717	8,827	.19	.21	4.39	95.9	16.94
Campbell	4,717	8,827	.19	.21	4.39	95.9	16.94
Atlantic City Electric Co Deepwater	**170**	**12,852**	**.91**	**.71**	**10.74**	**194.9**	**50.11**
West Virginia	170	12,852	.91	.71	10.74	194.9	50.11
Webster	170	12,852	.91	.71	10.74	194.9	50.11
Atlantic City Electric Co England	**506**	**12,788**	**2.36**	**1.84**	**9.82**	**181.5**	**46.43**
West Virginia	506	12,788	2.36	1.84	9.82	181.5	46.43
Marion	69	12,790	2.52	1.97	10.02	179.4	45.89
Monongalia	51	13,265	2.13	1.61	6.47	155.8	41.33
Upshur	385	12,725	2.36	1.85	10.23	185.5	47.20
Baltimore Gas & Electric Co Crane	**745**	**13,300**	**1.67**	**1.26**	**7.58**	**139.6**	**37.13**
West Virginia	745	13,300	1.67	1.26	7.58	139.6	37.13
Barbour	9	13,066	1.12	.86	8.70	143.3	37.45
Marion	479	13,302	1.97	1.48	7.35	137.9	36.68
Upshur	257	13,303	1.14	.85	7.98	142.7	37.97
Baltimore Gas & Electric Co Brandon Shores	**3,255**	**12,614**	**.70**	**.56**	**10.77**	**139.9**	**35.29**
Kentucky	485	13,112	.76	.58	6.52	145.9	38.26
Letcher	485	13,112	.76	.58	6.52	145.9	38.26
West Virginia	2,770	12,527	.70	.55	11.51	138.8	34.77
Boone	828	12,570	.72	.57	10.95	142.5	35.83
Kanawha	366	12,461	.74	.59	11.57	138.8	34.60
Logan	1,065	12,472	.67	.54	11.80	137.6	34.33
Nicholas	309	12,535	.67	.54	11.71	131.0	32.83
Raleigh	36	12,422	.62	.50	17.56	124.5	30.92
Webster	166	12,827	.72	.56	10.63	144.8	37.14
Baltimore Gas & Electric Co Wagner	**1,058**	**12,934**	**.85**	**.66**	**9.24**	**140.0**	**36.21**
West Virginia	1,058	12,934	.85	.66	9.24	140.0	36.21
Preston	7	13,069	1.03	.79	9.20	138.5	36.20
Upshur	60	13,086	1.09	.84	8.43	135.9	35.57
Webster	991	12,924	.84	.65	9.29	140.2	36.25
Basin Electric Power Coop Laramie River	**7,845**	**8,401**	**.39**	**.47**	**5.08**	**45.6**	**7.67**
Wyoming	7,845	8,401	.39	.47	5.08	45.6	7.67
Campbell	7,845	8,401	.39	.47	5.08	45.6	7.67
Basin Electric Power Coop Antelope Valley	**5,755**	**6,556**	**.69**	**1.05**	**8.82**	**72.6**	**9.52**
North Dakota	5,755	6,556	.69	1.05	8.82	72.6	9.52
Mercer	5,755	6,556	.69	1.05	8.82	72.6	9.52
Basin Electric Power Coop Leland Olds	**3,597**	**6,723**	**.73**	**1.08**	**7.40**	**78.6**	**10.57**
North Dakota	3,536	6,697	.73	1.10	7.44	78.6	10.53
Mercer	3,536	6,697	.73	1.10	7.44	78.6	10.53

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, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Basin Electric Power Coop Leland Olds							
Wyoming	61	8,226	0.38	0.46	5.12	77.5	12.75
Campbell	61	8,226	.38	.46	5.12	77.5	12.75
Big Rivers Electric Corp D B Wilson	**865**	**11,376**	**3.54**	**3.11**	**13.15**	**93.0**	**21.15**
Kentucky	865	11,376	3.54	3.11	13.15	93.0	21.15
Henderson	38	11,468	3.25	2.83	11.55	102.0	23.40
Mclean	184	11,492	3.54	3.08	12.39	93.5	21.49
Ohio	259	11,373	3.50	3.07	10.86	94.0	21.39
Webster	384	11,314	3.60	3.18	15.22	91.1	20.61
Big Rivers Electric Corp R D Green	**904**	**10,697**	**3.49**	**3.27**	**16.72**	**89.2**	**19.08**
Kentucky	904	10,697	3.49	3.27	16.72	89.2	19.08
Butler	36	10,134	2.54	2.51	19.26	96.6	19.57
Floyd	128	10,592	3.25	3.07	12.59	94.3	19.97
Henderson	76	10,418	2.59	2.49	17.32	95.4	19.88
Muhlenberg	239	10,202	3.79	3.71	19.65	87.0	17.75
Webster	425	11,105	3.65	3.28	15.99	87.2	19.36
Big Rivers Electric Corp Coleman	**662**	**11,356**	**1.49**	**1.31**	**13.01**	**108.8**	**24.72**
Indiana	52	11,127	1.44	1.30	10.70	104.9	23.35
Dubois	52	11,127	1.44	1.30	10.70	104.9	23.35
Kentucky	583	11,344	1.50	1.32	13.32	109.0	24.73
Breathitt	5	11,306	1.42	1.25	15.16	106.1	23.99
Daviess	26	11,386	1.36	1.19	7.90	105.8	24.09
Floyd	133	11,359	1.40	1.23	14.22	108.4	24.63
Knott	70	11,445	1.41	1.23	12.66	114.7	26.26
Magoffin	84	11,134	1.35	1.22	15.16	107.4	23.92
Martin	96	11,566	1.40	1.21	13.95	110.3	25.52
Pike	107	11,291	1.40	1.24	14.70	106.5	24.05
Webster	61	11,211	2.41	2.15	8.28	109.8	24.62
West Virginia	28	12,031	1.47	1.22	10.91	111.9	26.93
Wayne	28	12,031	1.47	1.22	10.91	111.9	26.93
Big Rivers Electric Corp Reid-Henderson II	**591**	**11,711**	**2.90**	**2.48**	**10.08**	**100.6**	**23.55**
Kentucky	591	11,711	2.90	2.48	10.08	100.6	23.55
Daviess	145	11,449	2.49	2.18	8.70	106.2	24.31
Hopkins	183	11,732	3.28	2.80	12.06	95.7	22.45
Webster	263	11,842	2.86	2.41	9.47	100.9	23.90
Black Hills Corp Neal Simpson II	**518**	**8,046**	**.66**	**.82**	**6.98**	**45.9**	**7.39**
Wyoming	518	8,046	.66	.82	6.98	45.9	7.39
Campbell	518	8,046	.66	.82	6.98	45.9	7.39
Cajun Electric Power Coop Inc Big Cajun No.2	**6,730**	**8,501**	**.43**	**.51**	**5.21**	**148.1**	**25.18**
Colorado	52	11,199	.48	.42	9.73	152.6	34.18
Routt	52	11,199	.48	.42	9.73	152.6	34.18
Wyoming	6,376	8,432	.45	.53	5.38	145.9	24.61
Campbell	6,376	8,432	.45	.53	5.38	145.9	24.61
Imported	303	9,485	.09	.09	.86	187.6	35.58
Imported Coal	303	9,485	.09	.09	.86	187.6	35.58
Cardinal Operating Co Cardinal	**4,404**	**12,256**	**1.70**	**1.38**	**11.90**	**158.2**	**38.78**
Kentucky	557	12,334	.70	.56	10.94	140.9	34.76
Breathitt	46	11,968	.90	.76	9.98	120.4	28.82
Floyd	17	12,183	.67	.55	12.43	139.1	33.90
Knott	222	12,394	.68	.55	10.82	143.3	35.51
Magoffin	222	12,394	.68	.55	10.82	143.3	35.51
Pike	50	12,184	.67	.55	12.43	139.1	33.90
Ohio	409	12,072	3.16	2.62	11.36	103.5	24.99
Belmont	408	12,076	3.17	2.62	11.35	103.7	25.04
Jefferson	2	11,300	2.70	2.39	13.50	66.3	14.98
West Virginia	3,437	12,266	1.68	1.37	12.12	167.4	41.07
Boone	62	12,065	.73	.60	12.08	155.4	37.50
Brooke	1,005	12,405	3.94	3.17	9.66	194.6	48.28
Kanawha	1,590	12,171	.70	.58	13.51	169.0	41.14
Logan	322	12,280	.67	.54	12.72	139.9	34.37
Marshall	9	12,422	3.86	3.11	10.10	103.0	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, 1998 (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)
Cardinal Operating Co Cardinal							
West Virginia							
Nicholas	16	12,045	0.89	0.74	13.82	117.8	28.37
Webster	433	12,315	.93	.76	12.28	123.3	30.37
Carolina Power & Light Co Asheville	**1,007**	**12,546**	**1.01**	**.81**	**11.79**	**143.3**	**35.96**
Kentucky	573	12,489	1.06	.85	11.88	137.5	34.35
Bell	103	12,355	1.23	1.00	12.06	132.0	32.63
Pike	469	12,519	1.02	.82	11.84	138.7	34.74
Virginia	114	12,349	.93	.76	12.56	133.5	32.96
Wise	114	12,349	.93	.76	12.56	133.5	32.96
West Virginia	319	12,719	.96	.75	11.35	156.9	39.92
Boone	279	12,722	.96	.76	11.66	158.8	40.41
Mingo	41	12,703	.94	.74	9.27	143.9	36.57
Carolina Power & Light Co Cape Fear	**799**	**12,288**	**.95**	**.77**	**10.76**	**147.8**	**36.31**
Kentucky	392	12,263	1.10	.89	10.89	150.7	36.95
Johnson	98	12,017	1.26	1.05	11.98	142.2	34.17
Letcher	8	11,079	1.31	1.18	18.10	146.6	32.48
Martin	91	12,276	1.05	.85	10.73	155.7	38.23
Pike	196	12,425	1.03	.83	10.13	152.6	37.93
West Virginia	407	12,313	.80	.65	10.64	145.0	35.70
Boone	7	10,693	.73	.68	20.30	124.4	26.60
Mingo	247	12,272	.77	.63	11.52	145.8	35.79
Wayne	153	12,454	.86	.69	8.78	144.4	35.97
Carolina Power & Light Co Lee	**765**	**12,348**	**.94**	**.76**	**10.65**	**152.7**	**37.72**
Kentucky	495	12,333	.97	.79	11.08	155.2	38.27
Johnson	10	12,096	1.26	1.04	11.90	143.1	34.62
Knott	8	12,299	1.33	1.08	11.50	143.4	35.27
Martin	131	12,135	.97	.80	10.67	157.5	38.22
Perry	9	12,612	.69	.55	9.22	146.0	36.82
Pike	337	12,410	.96	.77	11.26	155.2	38.51
West Virginia	270	12,377	.87	.71	9.85	148.3	36.70
Boone	15	12,778	.84	.66	8.91	145.7	37.24
Fayette	3	11,577	1.23	1.06	16.30	120.8	27.97
Mingo	102	12,320	.84	.68	10.68	149.3	36.79
Wayne	150	12,391	.89	.72	9.25	148.4	36.77
Carolina Power & Light Co Mayo	**1,926**	**12,180**	**.69**	**.56**	**11.86**	**148.9**	**36.27**
Kentucky	43	12,838	.73	.57	6.83	147.5	37.86
Martin	43	12,838	.73	.57	6.83	147.5	37.86
West Virginia	1,883	12,165	.69	.56	11.97	148.9	36.24
Logan	55	12,786	.73	.57	9.91	142.0	36.30
Mingo	1,827	12,146	.68	.56	12.03	149.2	36.24
Carolina Power & Light Co Robinson	**415**	**12,166**	**1.33**	**1.09**	**12.23**	**149.6**	**36.41**
Kentucky	261	11,891	1.54	1.30	13.49	143.5	34.13
Boyd	16	11,463	1.45	1.26	13.80	154.9	35.51
Knott	118	11,770	1.55	1.32	14.06	144.3	33.98
Perry	55	11,611	1.52	1.31	13.83	142.0	32.97
Pike	72	12,402	1.55	1.25	12.23	141.0	34.98
West Virginia	154	12,632	.96	.76	10.08	159.4	40.27
Boone	146	12,713	.95	.75	9.47	160.8	40.88
Raleigh	8	11,080	1.29	1.16	21.70	128.7	28.52
Carolina Power & Light Co Roxboro	**5,828**	**12,321**	**.91**	**.74**	**11.33**	**147.7**	**36.40**
Kentucky	2,507	12,167	1.01	.83	11.40	139.9	34.05
Johnson	859	11,920	1.26	1.05	12.71	133.2	31.76
Martin	943	12,251	.98	.80	10.72	141.3	34.62
Pike	704	12,357	.77	.62	10.70	145.9	36.07
West Virginia	3,321	12,438	.83	.67	11.28	153.5	38.18
Boone	1,542	12,654	.94	.74	11.73	165.6	41.92
Logan	45	12,958	.76	.58	9.10	142.7	36.98
Mingo	1,409	12,202	.70	.58	11.35	144.8	35.33
Wayne	319	12,357	.91	.74	9.13	133.6	33.02
Wyoming	6	12,647	.63	.50	8.54	125.1	31.64

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Sutton	**1,306**	**12,478**	**0.99**	**0.80**	**10.88**	**148.6**	**37.07**
Kentucky	816	12,410	1.04	.84	10.50	144.2	35.78
Floyd	9	11,761	.83	.71	12.20	149.1	35.07
Harlan	8	10,126	.70	.69	19.70	145.5	29.47
Knott	500	12,571	1.06	.84	9.54	146.9	36.94
Letcher	192	12,246	1.05	.86	11.54	141.0	34.53
Perry	106	12,179	.97	.80	12.27	136.2	33.17
West Virginia	489	12,591	.91	.72	11.52	155.8	39.23
Boone	444	12,750	.88	.69	10.34	159.0	40.55
Raleigh	45	11,025	1.22	1.10	23.19	118.4	26.10
Carolina Power & Light Co Weatherspoon	**324**	**12,816**	**.93**	**.72**	**9.66**	**162.7**	**41.71**
Kentucky	62	12,535	1.12	.89	10.22	151.0	37.85
Knott	39	12,628	1.13	.89	9.36	153.3	38.72
Perry	15	12,290	1.15	.94	11.84	143.7	35.31
Pike	8	12,533	.98	.79	11.46	152.9	38.33
West Virginia	261	12,883	.88	.69	9.53	165.4	42.62
Boone	255	12,900	.89	.69	9.52	165.7	42.74
Logan	7	12,253	.78	.64	9.90	155.6	38.13
Cedar Falls City of Streeter	**25**	**12,824**	**2.73**	**2.13**	**8.57**	**141.7**	**36.34**
Kentucky	2	11,548	2.43	2.10	8.09	151.2	34.92
Union	2	11,548	2.43	2.10	8.09	151.2	34.92
Ohio	11	12,789	4.23	3.31	8.30	139.9	35.78
Belmont	11	12,789	4.23	3.31	8.30	139.9	35.78
Pennsylvania	11	13,195	1.32	1.00	8.90	139.9	36.92
Greene	11	13,195	1.32	1.00	8.90	139.9	36.92
West Virginia	1	11,613	2.41	2.08	8.70	163.6	38.00
Kanawha	1	11,613	2.41	2.08	8.70	163.6	38.00
Central Electric Pwr Coop-MO Chamois	**151**	**10,914**	**2.71**	**2.48**	**8.52**	**129.3**	**28.22**
Illinois	147	10,984	2.77	2.52	8.64	129.2	28.38
Jackson	1	11,227	2.02	1.80	10.94	128.2	28.78
McDonough	40	10,795	2.96	2.75	7.70	131.6	28.40
Macoupin	4	11,335	2.57	2.27	6.09	134.9	30.58
Randolph	103	11,043	2.71	2.45	9.07	128.1	28.29
Wyoming	4	8,399	.41	.49	4.46	133.8	22.47
Campbell	4	8,399	.41	.49	4.46	133.8	22.47
Central Hudson Gas & Elec Corp Danskammer	**990**	**13,012**	**.64**	**.49**	**7.63**	**168.0**	**43.72**
Kentucky	377	12,931	.66	.51	8.38	169.1	43.72
Martin	369	12,922	.66	.51	8.41	169.9	43.92
Unknown[2]	8	13,398	.68	.51	6.59	126.9	34.00
West Virginia	20	12,838	.67	.52	9.76	169.9	43.62
Nicholas	20	12,838	.67	.52	9.76	169.9	43.62
Imported	594	13,070	.63	.48	7.08	167.3	43.72
Imported Coal	594	13,070	.63	.48	7.08	167.3	43.72
Central Illinois Light Co Duck Creek	**1,219**	**10,738**	**3.16**	**2.94**	**8.48**	**167.3**	**35.93**
Illinois	1,007	10,638	3.53	3.32	8.62	169.3	36.02
Logan	104	10,396	3.08	2.96	9.67	125.6	26.12
McDonough	10	10,521	3.74	3.55	9.20	137.8	29.00
Macoupin	893	10,667	3.58	3.36	8.49	174.6	37.25
Indiana	212	11,211	1.39	1.24	7.84	158.3	35.50
Knox	212	11,211	1.39	1.24	7.84	158.3	35.50
Central Illinois Light Co Edwards	**1,679**	**10,999**	**2.07**	**1.88**	**7.98**	**126.9**	**27.92**
Illinois	1,541	10,969	2.19	1.99	7.95	123.8	27.16
Jefferson	505	12,067	.87	.72	5.64	132.2	31.92
Logan	699	10,432	3.05	2.93	9.39	118.7	24.76
Macoupin	337	10,439	2.36	2.26	8.45	119.8	25.02
Indiana	129	11,190	.78	.69	8.43	160.0	35.81
Knox	129	11,190	.78	.69	8.43	160.0	35.81
Kentucky	9	13,322	.76	.57	5.60	169.0	45.03
Pike	9	13,322	.76	.57	5.60	169.0	45.03
Central Illinois Pub Serv Co Grand Tower	**334**	**11,062**	**3.02**	**2.73**	**10.37**	**98.1**	**21.70**

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, 1998 (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 Grand Tower							
Illinois	334	11,062	3.02	2.73	10.37	98.1	21.70
Jackson	157	11,243	2.93	2.61	10.74	94.4	21.23
Perry	101	10,986	3.07	2.80	9.89	101.5	22.31
Randolph	76	10,790	3.12	2.89	10.23	101.3	21.87
Central Illinois Pub Serv Co Hutsonville	**219**	**11,163**	**2.68**	**2.40**	**8.67**	**108.5**	**24.21**
Indiana	219	11,163	2.68	2.40	8.67	108.5	24.21
Daviess	198	11,172	2.78	2.49	8.48	107.7	24.07
Sullivan	21	11,077	1.67	1.50	10.46	115.2	25.53
Central Illinois Pub Serv Co Coffeen	**2,029**	**10,238**	**1.07**	**1.04**	**8.59**	**169.2**	**34.65**
Illinois	2,029	10,238	1.07	1.04	8.59	169.2	34.65
Macoupin	2,029	10,238	1.07	1.04	8.59	169.2	34.65
Central Illinois Pub Serv Co Newton	**3,067**	**9,823**	**.38**	**.39**	**6.33**	**131.9**	**25.91**
Colorado	310	11,174	.52	.47	10.42	141.7	31.66
Routt	310	11,174	.52	.47	10.42	141.7	31.66
Indiana	1,058	11,054	.60	.54	8.06	159.9	35.34
Knox	1,014	11,069	.61	.55	8.01	161.2	35.69
Sullivan	44	10,702	.52	.49	9.37	127.2	27.23
Wyoming	1,699	8,810	.22	.25	4.50	107.8	18.99
Campbell	1,699	8,810	.22	.25	4.50	107.8	18.99
Central Illinois Pub Serv Co Meredosia	**569**	**10,833**	**2.07**	**1.91**	**7.34**	**128.6**	**27.87**
Illinois	562	10,840	2.09	1.93	7.24	129.1	27.98
Jackson	3	11,200	2.80	2.50	11.00	119.6	26.79
McDonough	9	11,350	2.70	2.38	6.80	127.1	28.84
Macoupin	344	10,558	1.73	1.64	7.90	135.6	28.63
Schuyler	207	11,282	2.65	2.35	6.11	119.2	26.90
Indiana	7	10,300	.75	.73	15.00	89.6	18.46
Unknown[2]	7	10,300	.75	.73	15.00	89.6	18.46
Central Iowa Power Coop Fair	**147**	**11,450**	**2.87**	**2.51**	**9.24**	**115.1**	**26.35**
Illinois	72	11,045	2.70	2.45	9.15	115.0	25.41
Randolph	72	11,045	2.70	2.45	9.15	115.0	25.41
Kentucky	74	11,842	3.03	2.56	9.33	115.1	27.26
Hopkins	74	11,842	3.03	2.56	9.33	115.1	27.26
Central Louisiana Elec Co Inc Dolet Hills	**3,555**	**6,760**	**.92**	**1.35**	**14.27**	**136.8**	**18.49**
Louisiana	3,432	6,764	.89	1.32	14.25	136.9	18.53
De Soto	2,448	6,687	.97	1.45	14.49	141.2	18.89
Red River	984	6,958	.71	1.02	13.64	126.7	17.63
Texas	123	6,623	1.55	2.34	14.81	131.8	17.46
Harrison	123	6,623	1.55	2.34	14.81	131.8	17.46
Central Louisiana Elec Co Inc Rodemacher	**1,617**	**8,571**	**.51**	**.60**	**7.25**	**139.2**	**23.86**
Wyoming	1,617	8,571	.51	.60	7.25	139.2	23.86
Campbell	1,617	8,571	.51	.60	7.25	139.2	23.86
Central Operating Co Sporn	**2,487**	**12,158**	**1.50**	**1.23**	**12.94**	**122.5**	**29.79**
West Virginia	2,487	12,158	1.50	1.23	12.94	122.5	29.79
Boone	9	12,822	.93	.72	7.98	193.4	49.60
Clay	462	12,433	1.23	.99	11.69	175.9	43.74
Fayette	319	12,207	1.40	1.14	12.71	127.6	31.15
Kanawha	496	12,098	1.35	1.12	13.02	115.6	27.97
Lincoln	23	11,962	1.31	1.10	11.64	103.2	24.70
Monongalia	1,086	12,067	1.73	1.43	13.72	102.1	24.64
Wayne	85	11,977	1.31	1.10	11.04	104.2	24.96
Unknown[2]	6	12,081	1.67	1.38	13.30	101.7	24.57
Central Power & Light Co Coleto Creek	**2,499**	**9,818**	**.37**	**.38**	**5.65**	**139.4**	**27.37**
Colorado	1,349	10,504	.39	.37	6.06	142.0	29.84
Gunnison	64	12,432	.62	.50	9.96	145.6	36.21
Moffat	1,285	10,407	.37	.36	5.87	141.8	29.52

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, 1998 (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 Power & Light Co Coleto Creek							
Wyoming	1,047	8,662	0.33	0.38	4.92	131.1	22.71
Campbell	1,047	8,662	.33	.38	4.92	131.1	22.71
Imported	103	12,588	.69	.55	7.68	168.5	42.42
Imported Coal	103	12,588	.69	.55	7.68	168.5	42.42
Cincinnati Gas & Electric Co East Bend	**1,696**	**12,123**	**2.58**	**2.13**	**11.23**	**104.9**	**25.42**
Indiana	40	11,669	2.35	2.02	8.93	101.6	23.72
Pike	13	11,319	3.66	3.23	9.10	108.3	24.52
Unknown[2]	27	11,835	1.74	1.47	8.85	98.6	23.34
Kentucky	465	11,712	1.15	.98	12.92	115.5	27.06
Floyd	2	12,114	.69	.57	9.70	120.0	29.07
Knott	21	11,600	1.78	1.54	14.85	108.0	25.05
Knox	3	11,189	.93	.83	13.77	112.3	25.13
Lawrence	3	11,273	.97	.86	14.70	110.3	24.87
Letcher	5	11,861	.69	.58	11.84	124.8	29.60
Magoffin	11	11,424	1.86	1.63	14.20	109.8	25.08
Martin	3	11,472	.83	.72	12.50	112.0	25.70
Perry	276	11,658	1.11	.95	13.41	113.9	26.55
Pike	123	11,933	.92	.77	11.28	120.9	28.85
Webster	11	10,972	2.44	2.22	16.40	129.5	28.42
Unknown[2]	6	12,288	2.99	2.43	9.71	91.5	22.48
Ohio	139	11,937	3.43	2.88	9.45	108.6	25.94
Belmont	40	12,497	3.99	3.19	9.19	103.2	25.81
Monroe	30	12,254	4.16	3.40	9.86	95.9	23.51
Vinton	69	11,472	2.79	2.44	9.43	117.9	27.06
Pennsylvania	66	13,085	2.20	1.68	7.50	108.1	28.30
Greene	57	13,047	2.30	1.76	7.59	104.4	27.24
Washington	9	13,316	1.61	1.21	6.93	130.5	34.75
West Virginia	987	12,297	3.16	2.57	11.02	99.4	24.46
Brooke	479	12,441	4.18	3.36	9.73	88.7	22.06
Clay	23	12,418	.65	.52	11.87	134.0	33.29
Fayette	38	11,646	1.58	1.35	15.63	102.0	23.75
Harrison	8	12,778	3.31	2.59	8.00	130.0	33.22
Kanawha	154	12,046	.76	.63	12.73	125.1	30.14
Marshall	198	12,134	3.87	3.19	12.34	94.9	23.04
Monongalia	44	13,287	2.24	1.69	7.02	110.7	29.43
Nicholas	3	11,992	.90	.75	13.54	112.6	27.01
Raleigh	31	11,664	.93	.80	14.29	110.6	25.81
Wayne	8	11,955	.67	.56	10.18	118.8	28.41
Cincinnati Gas & Electric Co Miami Fort	**2,991**	**11,963**	**1.13**	**.94**	**12.71**	**121.7**	**29.13**
Illinois	2	12,246	.90	.73	5.20	132.3	32.40
Jefferson	2	12,246	.90	.73	5.20	132.3	32.40
Indiana	13	11,307	1.10	.97	8.40	122.1	27.62
Knox	7	10,965	.70	.64	7.00	140.8	30.88
Unknown[2]	5	11,776	1.65	1.40	10.33	98.3	23.15
Kentucky	729	11,716	.95	.81	12.11	115.9	27.16
Breathitt	24	11,237	.91	.81	13.04	110.4	24.80
Floyd	95	11,790	.83	.70	10.00	115.4	27.22
Knott	15	11,485	.92	.80	14.16	118.7	27.26
Knox	8	11,084	.89	.80	13.62	114.1	25.30
Lawrence	22	11,217	.89	.79	13.62	109.2	24.50
Letcher	63	12,209	.70	.57	9.66	118.1	28.83
Magoffin	25	11,760	1.19	1.01	11.89	111.1	26.14
Martin	8	11,531	.78	.68	12.33	117.3	27.05
Perry	269	11,630	1.03	.89	13.33	114.3	26.58
Pike	188	11,836	.89	.76	11.57	119.1	28.18
Webster	9	10,972	2.44	2.22	16.40	130.1	28.55
Unknown[2]	2	11,894	1.87	1.57	10.40	97.6	23.22
Ohio	96	11,939	3.54	2.96	9.84	107.0	25.55
Belmont	30	12,513	4.02	3.21	9.25	101.1	25.30
Jefferson	2	12,089	1.69	1.40	11.70	106.8	25.82
Monroe	21	12,223	4.28	3.50	9.84	94.4	23.08
Vinton	43	11,391	2.91	2.56	10.18	118.1	26.92

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Miami Fort							
Pennsylvania	43	13,106	2.14	1.64	7.57	106.5	27.93
Greene	38	13,080	2.21	1.69	7.65	103.8	27.15
Washington	4	13,330	1.61	1.21	6.90	130.0	34.66
West Virginia	2,109	12,030	1.06	.88	13.19	124.7	30.00
Boone	22	12,542	.75	.60	10.46	123.6	31.01
Brooke	135	12,393	4.21	3.40	9.85	89.0	22.07
Clay	388	12,312	.65	.53	11.86	131.3	32.33
Fayette	101	11,670	1.11	.95	15.50	104.1	24.29
Harrison	11	13,056	3.26	2.50	7.40	129.2	33.74
Kanawha	1,151	11,921	.68	.57	14.03	132.3	31.55
Logan	22	11,558	.60	.52	12.66	113.3	26.19
Marshall	46	12,046	3.85	3.20	12.38	95.2	22.93
Mingo	7	11,726	.59	.50	13.38	125.0	29.32
Monongalia	50	13,244	2.23	1.68	6.77	110.8	29.34
Nicholas	34	11,865	.82	.69	14.09	114.8	27.25
Raleigh	116	11,511	.84	.73	15.81	111.0	25.55
Wayne	25	11,952	.66	.55	9.77	118.4	28.31
Cincinnati Gas & Electric Co Beckjord	**3,163**	**12,018**	**1.29**	**1.07**	**11.60**	**113.4**	**27.26**
Indiana	6	11,966	1.52	1.27	8.86	98.0	23.46
Unknown[2]	6	11,966	1.52	1.27	8.86	98.0	23.46
Kentucky	1,515	11,777	.96	.82	12.14	115.1	27.10
Breathitt	6	11,125	.98	.88	13.10	108.0	24.02
Floyd	57	11,927	.89	.75	11.25	118.3	28.21
Johnson	2	11,500	.59	.51	12.90	123.5	28.40
Knott	77	11,266	.89	.79	14.11	110.4	24.88
Knox	25	10,939	.85	.78	14.65	108.4	23.71
Lawrence	19	11,324	.93	.82	13.01	108.9	24.67
Letcher	5	12,021	.70	.59	10.03	124.7	29.97
Magoffin	11	11,808	1.17	.99	11.97	110.4	26.06
Martin	40	11,771	.91	.77	11.06	116.2	27.35
Perry	807	11,814	.97	.82	12.51	113.7	26.86
Pike	453	11,864	.94	.80	11.10	118.2	28.05
Webster	9	10,972	2.44	2.22	16.40	131.2	28.79
Unknown[2]	3	12,203	2.02	1.65	12.60	98.2	23.96
Ohio	85	12,086	3.83	3.17	9.65	101.3	24.49
Belmont	29	12,367	3.92	3.17	9.50	101.8	25.18
Jackson	5	11,477	3.33	2.90	9.90	113.9	26.14
Monroe	35	12,193	4.22	3.46	9.80	92.4	22.53
Vinton	15	11,502	2.93	2.55	9.49	118.0	27.14
Pennsylvania	49	13,079	2.03	1.56	7.68	102.4	26.79
Greene	49	13,079	2.03	1.56	7.68	102.4	26.79
West Virginia	1,509	12,223	1.44	1.18	11.30	112.9	27.60
Boone	52	12,463	.90	.72	9.65	124.7	31.07
Brooke	86	12,423	4.09	3.29	9.70	88.4	21.95
Fayette	139	11,985	1.08	.90	13.18	109.0	26.13
Kanawha	814	12,132	.86	.71	11.51	119.9	29.10
Logan	54	10,711	.74	.69	19.17	92.2	19.74
Marshall	104	12,124	3.66	3.02	12.12	95.9	23.25
Monongalia	218	13,167	2.14	1.62	6.80	110.4	29.07
Nicholas	4	11,923	.83	.70	13.90	112.7	26.87
Raleigh	37	11,284	1.04	.92	17.79	104.7	23.62
Wayne	*	11,894	.68	.57	9.70	118.5	28.19
Cincinnati Gas & Electric Co Zimmer	**3,712**	**12,109**	**3.67**	**3.03**	**9.67**	**103.4**	**25.04**
Kentucky	97	11,910	1.24	1.04	11.17	114.4	27.24
Knott	2	11,241	.87	.77	15.20	109.7	24.66
Letcher	4	12,254	.73	.60	8.00	125.5	30.76
Perry	55	11,852	1.22	1.03	11.61	114.1	27.04
Pike	32	11,922	.92	.77	10.92	119.2	28.42
Unknown[2]	5	12,405	3.85	3.10	8.90	83.4	20.69
Ohio	3,352	12,080	3.79	3.14	9.62	103.2	24.93
Belmont	986	12,490	4.00	3.21	9.14	101.9	25.46
Jackson	13	11,470	3.20	2.79	9.63	114.0	26.15
Monroe	1,403	12,199	4.20	3.45	10.08	94.9	23.15
Vinton	950	11,486	2.97	2.58	9.45	117.6	27.01

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Zimmer							
Pennsylvania	85	13,122	1.94	1.48	7.36	110.1	28.89
Greene	57	13,045	2.10	1.61	7.68	102.3	26.69
Washington	29	13,275	1.62	1.22	6.74	125.2	33.24
West Virginia	176	12,277	3.49	2.85	10.81	97.7	23.98
Brooke	39	12,457	4.23	3.40	9.64	88.9	22.15
Kanawha	12	12,210	.86	.71	11.34	124.8	30.47
Logan	2	10,334	1.02	.99	19.80	106.0	21.91
Marshall	103	12,041	3.83	3.18	11.88	95.0	22.87
Monongalia	20	13,316	2.19	1.64	6.70	110.1	29.32
Cleveland Electric Illum Co Ashtabula	**345**	**12,630**	**3.70**	**2.93**	**9.02**	**103.2**	**26.07**
Ohio	287	12,517	4.05	3.23	9.30	99.8	24.99
Belmont	283	12,522	4.04	3.23	9.27	99.5	24.91
Columbiana	4	12,214	4.20	3.44	10.75	122.6	29.94
Pennsylvania	58	13,191	1.96	1.48	7.64	119.1	31.42
Greene	58	13,191	1.96	1.48	7.64	119.1	31.42
Cleveland Electric Illum Co Avon Lake	**1,334**	**12,660**	**.89**	**.70**	**9.51**	**140.9**	**35.68**
Kentucky	263	12,582	.89	.71	10.60	123.6	31.09
Carter	31	12,374	.83	.67	10.70	125.7	31.11
Pike	232	12,610	.90	.71	10.59	123.3	31.09
Ohio	131	12,460	2.16	1.73	9.76	124.3	30.97
Columbiana	131	12,460	2.16	1.73	9.76	124.3	30.97
West Virginia	889	12,933	.74	.57	9.40	148.9	38.51
Mingo	889	12,933	.74	.57	9.40	148.9	38.51
Wyoming	51	8,793	.29	.33	5.17	124.9	21.97
Campbell	38	8,800	.28	.32	5.23	127.5	22.44
Converse	13	8,775	.33	.38	5.00	117.5	20.62
Cleveland Electric Illum Co Eastlake	**2,573**	**13,006**	**2.20**	**1.69**	**8.15**	**140.4**	**36.52**
Ohio	661	12,527	3.40	2.71	9.60	107.5	26.93
Belmont	401	12,588	4.26	3.39	9.50	98.3	24.74
Columbiana	259	12,433	2.06	1.66	9.74	121.9	30.31
Pennsylvania	1,912	13,171	1.78	1.35	7.65	151.2	39.84
Greene	1,912	13,171	1.78	1.35	7.65	151.2	39.84
Cleveland Electric Illum Co Lake Shore	**132**	**13,016**	**.71**	**.55**	**6.38**	**154.2**	**40.13**
Kentucky	82	12,913	.71	.55	6.56	148.1	38.25
Martin	82	12,913	.71	.55	6.56	148.1	38.25
Ohio	2	12,866	.56	.44	6.10	154.1	39.65
Columbiana	2	12,866	.56	.44	6.10	154.1	39.65
West Virginia	48	13,197	.71	.54	6.08	164.3	43.38
Mingo	48	13,197	.71	.54	6.08	164.3	43.38
Colorado Springs City of Drake	**771**	**10,462**	**.36**	**.34**	**6.03**	**167.5**	**35.06**
Colorado	761	10,438	.36	.34	5.90	168.2	35.11
Gunnison	10	12,072	.44	.36	8.01	102.8	24.82
Moffat	705	10,365	.35	.34	5.70	174.8	36.24
Routt	45	11,198	.47	.42	8.60	89.3	20.00
New Mexico	11	12,211	.53	.43	15.23	126.9	30.99
Colfax	11	12,211	.53	.43	15.23	126.9	30.99
Colorado Springs City of Nixon	**818**	**10,667**	**.43**	**.40**	**8.20**	**90.6**	**19.33**
Colorado	628	11,286	.46	.40	9.08	93.6	21.12
Gunnison	9	11,957	.54	.45	8.39	107.1	25.62
Moffat	13	9,943	.33	.33	8.52	79.3	15.77
Routt	605	11,305	.46	.40	9.10	93.6	21.17
Wyoming	190	8,619	.35	.40	5.28	77.8	13.41
Campbell	177	8,594	.35	.41	5.25	77.9	13.38
Converse	13	8,962	.35	.39	5.62	76.7	13.75
Columbia City of Columbia	**28**	**13,193**	**1.19**	**.90**	**7.50**	**202.2**	**53.36**
Kentucky	28	13,193	1.19	.90	7.50	202.2	53.36
Bell	24	13,170	1.17	.89	7.42	202.6	53.37
Perry	5	13,306	1.27	.95	7.90	200.2	53.27
Columbus Southern Power Co Picway	**158**	**11,509**	**3.29**	**2.86**	**9.87**	**103.3**	**23.77**

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, 1998 (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)
Columbus Southern Power Co Picway							
Kentucky	6	12,467	0.89	0.71	9.80	149.6	37.30
Perry	6	12,467	.89	.71	9.80	149.6	37.30
Ohio	152	11,469	3.39	2.96	9.88	101.2	23.20
Perry	152	11,469	3.39	2.96	9.88	101.2	23.20
Columbus Southern Power Co Conesville	**4,208**	**11,925**	**2.74**	**2.30**	**9.23**	**141.0**	**33.63**
Ohio	4,208	11,925	2.74	2.30	9.23	141.0	33.63
Belmont	262	12,196	3.10	2.54	10.68	95.2	23.23
Coshocton	2,138	11,939	2.70	2.26	7.79	172.0	41.06
Harrison	822	12,391	2.73	2.20	9.09	112.7	27.93
Holmes	34	10,274	3.21	3.13	14.96	84.2	17.30
Jefferson	337	11,887	2.46	2.07	12.00	103.5	24.61
Perry	412	11,206	2.62	2.34	12.26	117.9	26.43
Tuscarawas	204	11,333	3.50	3.09	11.45	106.8	24.22
Commonwealth Edison Co Waukegan	**2,536**	**8,703**	**.45**	**.52**	**5.46**	**208.5**	**36.30**
Wyoming	2,536	8,703	.45	.52	5.46	208.5	36.30
Campbell	2,508	8,702	.46	.52	5.47	207.3	36.08
Converse	28	8,805	.28	.32	5.00	316.2	55.68
Commonwealth Edison Co Crawford	**25**	**8,644**	**.20**	**.23**	**4.44**	**131.3**	**22.69**
Wyoming	25	8,644	.20	.23	4.44	131.3	22.69
Campbell	25	8,644	.20	.23	4.44	131.3	22.69
Commonwealth Edison Co Joliet	**3,763**	**8,743**	**.36**	**.41**	**5.60**	**284.8**	**49.80**
Wyoming	3,763	8,743	.36	.41	5.60	284.8	49.80
Campbell	3,763	8,743	.36	.41	5.60	284.8	49.80
Commonwealth Edison Co Kincaid	**361**	**11,239**	**1.22**	**1.08**	**7.77**	**178.7**	**40.18**
Illinois	100	10,704	3.51	3.28	8.43	101.5	21.72
Macoupin	100	10,704	3.51	3.28	8.43	101.5	21.72
Utah	261	11,443	.34	.29	7.52	206.4	47.25
Carbon	42	11,769	.43	.36	6.80	134.0	31.54
Emery	219	11,381	.32	.28	7.66	220.8	50.26
Commonwealth Edison Co Powerton	**3,570**	**8,730**	**.26**	**.30**	**4.68**	**198.6**	**34.68**
Illinois	18	11,609	2.57	2.22	5.45	111.7	25.93
McDonough	18	11,609	2.57	2.22	5.45	111.7	25.93
Montana	237	9,604	.33	.34	3.85	222.0	42.65
Big Horn	237	9,604	.33	.34	3.85	222.0	42.65
Utah	11	11,494	.32	.28	8.20	133.9	30.78
Emery	11	11,494	.32	.28	8.20	133.9	30.78
Wyoming	3,304	8,642	.24	.28	4.72	197.7	34.17
Campbell	3,238	8,639	.24	.28	4.71	195.0	33.69
Converse	66	8,805	.28	.32	5.00	327.8	57.73
Commonwealth Edison Co Will County	**5,371**	**8,931**	**.30**	**.34**	**4.58**	**206.1**	**36.81**
Montana	1,476	9,644	.34	.35	3.86	219.4	42.31
Big Horn	1,476	9,644	.34	.35	3.86	219.4	42.31
Wyoming	3,895	8,662	.29	.33	4.86	200.5	34.73
Campbell	3,895	8,662	.29	.33	4.86	200.5	34.73
Consumers Power Co Campbell	**4,059**	**11,342**	**.64**	**.56**	**8.82**	**150.0**	**34.02**
Kentucky	1,348	12,877	.76	.59	8.31	159.7	41.13
Floyd	1,098	12,932	.74	.57	8.17	159.6	41.27
Knott	100	12,496	.90	.72	9.41	156.5	39.12
Letcher	44	12,480	.95	.76	9.65	155.3	38.76
Pike	105	12,833	.75	.59	8.15	166.2	42.67
West Virginia	1,473	12,135	.73	.60	12.17	172.1	41.78
Boone	1,463	12,135	.73	.60	12.17	172.2	41.78
Logan	11	12,130	.65	.54	12.60	168.6	40.90
Wyoming	1,238	8,727	.40	.45	5.38	97.6	17.03
Campbell	1,010	8,709	.42	.49	5.35	97.2	16.93
Converse	228	8,807	.27	.31	5.51	99.2	17.47
Consumers Power Co Cobb	**1,162**	**9,903**	**.66**	**.66**	**6.58**	**121.1**	**23.99**

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, 1998 (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 Cobb							
Kentucky	40	12,945	0.77	0.59	8.20	166.8	43.19
Floyd	40	12,945	.77	.59	8.20	166.8	43.19
Montana	515	9,045	.51	.56	6.72	114.6	20.74
Big Horn	515	9,045	.51	.56	6.72	114.6	20.74
Pennsylvania	202	13,219	1.49	1.13	7.27	140.7	37.20
Greene	51	13,201	1.64	1.24	7.70	133.8	35.33
Washington	152	13,224	1.44	1.09	7.13	143.0	37.82
West Virginia	35	12,179	.92	.76	12.13	158.7	38.65
Boone	10	11,928	.75	.63	12.70	175.9	41.96
Nicholas	25	12,279	.99	.81	11.90	152.0	37.33
Wyoming	369	8,737	.37	.43	5.31	101.9	17.80
Campbell	369	8,737	.37	.43	5.31	101.9	17.80
Consumers Power Co Karn	**952**	**12,187**	**.84**	**.69**	**11.48**	**152.6**	**37.19**
Kentucky	266	12,260	.92	.75	10.87	146.2	35.84
Floyd	138	12,031	.90	.74	11.15	146.1	35.15
Knott	63	12,528	.97	.77	10.59	146.0	36.57
Martin	11	12,193	.94	.77	10.60	145.0	35.36
Pike	54	12,545	.92	.73	10.52	146.8	36.84
West Virginia	686	12,159	.81	.67	11.72	155.1	37.72
Boone	459	12,029	.81	.67	11.75	157.5	37.88
Clay	38	12,454	.88	.71	11.85	152.6	38.01
Nicholas	189	12,415	.80	.64	11.60	150.1	37.27
Consumers Power Co Weadock	**1,370**	**10,127**	**.57**	**.56**	**7.95**	**127.0**	**25.72**
Kentucky	74	12,276	.94	.77	10.40	148.3	36.41
Floyd	41	12,302	1.01	.82	10.90	150.0	36.91
Knott	21	12,465	.91	.73	8.26	146.9	36.62
Pike	12	11,856	.78	.66	12.40	144.5	34.26
Montana	240	9,052	.49	.55	6.74	121.5	21.99
Big Horn	240	9,052	.49	.55	6.74	121.5	21.99
West Virginia	448	12,212	.84	.69	11.70	153.7	37.54
Boone	237	12,028	.84	.70	11.77	156.2	37.58
Clay	54	12,496	.87	.70	11.75	152.6	38.14
Nicholas	147	12,388	.83	.67	11.76	150.6	37.31
Wayne	10	12,444	.84	.68	8.90	147.1	36.61
Wyoming	608	8,754	.35	.41	5.38	98.2	17.20
Campbell	492	8,741	.38	.43	5.40	97.7	17.08
Converse	117	8,808	.25	.28	5.30	100.5	17.70
Consumers Power Co Whiting	**851**	**11,940**	**.83**	**.70**	**11.01**	**146.6**	**35.00**
Kentucky	296	12,254	.95	.77	11.18	141.5	34.68
Floyd	181	12,139	.94	.78	11.26	140.4	34.08
Knott	21	12,557	.95	.75	9.59	144.1	36.18
Martin	32	12,313	.96	.78	11.18	143.7	35.39
Pike	63	12,456	.96	.77	11.48	142.7	35.54
West Virginia	503	12,082	.83	.68	11.50	152.6	36.87
Boone	435	12,022	.81	.67	11.88	154.3	37.11
Wayne	68	12,466	.92	.74	9.09	141.7	35.33
Wyoming	52	8,777	.25	.28	5.35	106.9	18.76
Campbell	13	8,800	.30	.34	5.00	101.2	17.81
Converse	39	8,769	.23	.26	5.47	108.8	19.08
Coop Power Assn Coal Creek	**7,046**	**6,246**	**.68**	**1.09**	**11.05**	**81.1**	**10.13**
North Dakota	7,046	6,246	.68	1.09	11.05	81.1	10.13
Mclean	7,046	6,246	.68	1.09	11.05	81.1	10.13
Dairyland Power Coop Alma-Madgett	**1,673**	**9,252**	**.31**	**.34**	**4.86**	**104.6**	**19.35**
Illinois	265	11,788	.97	.83	7.16	134.5	31.70
Jefferson	265	11,788	.97	.83	7.16	134.5	31.70
Wyoming	1,408	8,775	.19	.22	4.42	97.0	17.03
Campbell	1,408	8,775	.19	.22	4.42	97.0	17.03
Dairyland Power Coop Genoa No.3	**881**	**10,683**	**.58**	**.55**	**4.99**	**125.8**	**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, 1998 (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)
Dairyland Power Coop Genoa No.3							
Illinois	500	12,030	0.89	0.74	5.57	133.5	32.11
Jefferson	500	12,030	.89	.74	5.57	133.5	32.11
Wyoming	381	8,913	.18	.20	4.22	112.1	19.99
Campbell	381	8,913	.18	.20	4.22	112.1	19.99
Dayton Power & Light Co Stuart	**5,962**	**11,527**	**.84**	**.73**	**14.52**	**123.9**	**28.56**
Kentucky	2,822	11,592	.85	.74	13.86	127.4	29.54
Breathitt	75	11,070	.87	.79	15.98	100.1	22.16
Floyd	136	10,959	.89	.81	16.09	102.3	22.42
Knott	27	10,983	.89	.81	16.60	100.8	22.13
Lawrence	184	10,999	.87	.79	15.10	102.8	22.62
Magoffin	395	11,053	.82	.74	15.24	102.4	22.65
Martin	257	11,749	.80	.68	14.48	141.2	33.18
Perry	4	12,010	.96	.80	10.90	102.3	24.57
Pike	1,744	11,835	.86	.73	13.03	136.4	32.29
West Virginia	3,141	11,469	.83	.72	15.12	120.7	27.68
Boone	730	11,462	.76	.67	15.24	105.5	24.18
Kanawha	952	11,642	.79	.67	15.67	139.7	32.52
Logan	76	11,303	.75	.67	17.06	101.4	22.93
Wayne	1,382	11,362	.90	.79	14.57	116.4	26.46
Dayton Power & Light Co Hutchings	**369**	**12,539**	**.83**	**.66**	**11.83**	**137.6**	**34.49**
West Virginia	369	12,539	.83	.66	11.83	137.6	34.49
Clay	321	12,538	.84	.67	11.76	137.3	34.43
Nicholas	48	12,547	.79	.63	12.30	139.3	34.96
Dayton Power & Light Co Killen	**2,034**	**11,898**	**.63**	**.53**	**13.70**	**127.3**	**30.29**
Kentucky	885	11,652	.63	.54	13.37	113.2	26.39
Floyd	273	11,578	.62	.54	13.30	113.5	26.28
Lawrence	5	11,520	.67	.58	12.30	122.7	28.27
Martin	98	12,136	.62	.51	13.68	119.0	28.88
Morgan	13	11,627	.66	.57	14.30	122.3	28.44
Pike	497	11,599	.63	.54	13.34	111.6	25.89
West Virginia	1,149	12,088	.63	.52	13.94	137.7	33.29
Kanawha	451	12,073	.63	.52	14.47	118.8	28.68
Logan	698	12,098	.63	.52	13.60	149.9	36.27
Delmarva Power & Light Co Edgemoor	**538**	**12,670**	**.73**	**.58**	**10.27**	**158.9**	**40.27**
Kentucky	30	12,889	.79	.61	6.59	162.8	41.98
Martin	30	12,889	.79	.61	6.59	162.8	41.98
Pennsylvania	9	10,689	.66	.61	10.49	150.8	32.25
Elk	9	10,689	.66	.61	10.49	150.8	32.25
Virginia	9	13,159	.83	.63	8.30	158.1	41.61
Wise	9	13,159	.83	.63	8.30	158.1	41.61
West Virginia	490	12,686	.73	.57	10.52	158.8	40.29
Nicholas	222	12,539	.68	.54	11.49	161.4	40.48
Webster	261	12,830	.76	.60	9.59	157.5	40.41
Wyoming	7	12,052	.84	.70	14.10	125.9	30.35
Delmarva Power & Light Co Indian River	**1,206**	**13,092**	**1.09**	**.83**	**8.34**	**155.2**	**40.63**
Kentucky	63	12,812	.63	.49	6.51	176.6	45.26
Martin	63	12,812	.63	.49	6.51	176.6	45.26
Maryland	170	13,222	1.47	1.11	8.91	146.3	38.69
Garrett	170	13,222	1.47	1.11	8.91	146.3	38.69
Pennsylvania	513	13,233	1.35	1.02	7.03	142.2	37.63
Indiana	3	12,127	1.41	1.16	10.90	134.9	32.72
Washington	510	13,240	1.35	1.02	7.00	142.2	37.67
Virginia	137	13,672	.79	.58	6.00	177.8	48.61
Wise	137	13,672	.79	.58	6.00	177.8	48.61
West Virginia	324	12,609	.68	.54	11.45	167.1	42.15
Mingo	31	13,140	.68	.52	7.55	176.2	46.29
Nicholas	120	12,558	.65	.52	11.39	169.3	42.51
Webster	172	12,549	.71	.56	12.20	163.9	41.14
Deseret Generation & Tran Coop Bonanza	**1,723**	**10,149**	**.43**	**.43**	**10.24**	**193.2**	**39.22**

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, 1998 (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)
Deseret Generation & Tran Coop Bonanza							
Colorado	1,723	10,149	0.43	0.43	10.24	193.2	39.22
Rio Blanco	1,723	10,149	.43	.43	10.24	193.2	39.22
Detroit Edison Co Belle River	**4,467**	**9,471**	**.35**	**.37**	**4.22**	**149.9**	**28.39**
Montana	4,467	9,471	.35	.37	4.22	149.9	28.39
Big Horn	4,467	9,471	.35	.37	4.22	149.9	28.39
Detroit Edison Co Harbor Beach	**151**	**13,352**	**.81**	**.61**	**7.25**	**151.8**	**40.55**
Kentucky	108	13,476	.86	.63	6.67	151.0	40.69
Pike	108	13,476	.86	.63	6.67	151.0	40.69
West Virginia	43	13,039	.70	.54	8.71	154.2	40.20
Mingo	43	13,039	.70	.54	8.71	154.2	40.20
Detroit Edison Co Marysville	**83**	**13,155**	**.75**	**.57**	**8.24**	**149.0**	**39.19**
Kentucky	37	13,256	.81	.61	7.80	146.0	38.70
Pike	37	13,256	.81	.61	7.80	146.0	38.70
West Virginia	46	13,074	.70	.54	8.60	151.4	39.59
Mingo	46	13,074	.70	.54	8.60	151.4	39.59
Detroit Edison Co Monroe	**9,119**	**10,797**	**.76**	**.71**	**6.09**	**115.1**	**24.85**
Colorado	17	12,395	.55	.44	8.50	146.2	36.24
Unknown[2]	17	12,395	.55	.44	8.50	146.2	36.24
Illinois	25	11,900	1.29	1.08	6.80	152.3	36.25
Saline	16	11,900	1.29	1.08	6.80	152.3	36.25
Unknown[2]	9	11,900	1.29	1.08	6.80	152.3	36.25
Kentucky	1,237	12,959	.98	.76	7.93	136.6	35.41
Martin	12	12,676	.96	.76	8.50	141.3	35.82
Pike	1,225	12,962	.98	.76	7.93	136.6	35.40
Pennsylvania	2,479	13,131	1.50	1.14	6.94	122.4	32.14
Greene	2,089	13,109	1.52	1.16	6.93	120.9	31.69
Washington	390	13,245	1.36	1.03	6.94	130.4	34.54
Utah	37	12,395	.55	.44	8.50	140.8	34.91
Emery	37	12,395	.55	.44	8.50	140.8	34.91
West Virginia	508	12,949	1.16	.90	8.21	136.6	35.37
Boone	64	12,960	.83	.64	8.03	136.4	35.35
Mingo	444	12,948	1.21	.93	8.24	136.6	35.37
Wyoming	4,816	8,790	.29	.33	4.93	97.3	17.10
Campbell	4,803	8,790	.29	.33	4.93	97.3	17.10
Converse	13	8,853	.32	.36	5.30	95.0	16.82
Detroit Edison Co River Rouge	**1,583**	**10,734**	**.62**	**.57**	**6.49**	**117.9**	**25.31**
Kentucky	246	13,008	.84	.64	8.64	140.3	36.51
Pike	246	13,008	.84	.64	8.64	140.3	36.51
Pennsylvania	198	13,127	1.44	1.10	6.78	122.7	32.21
Greene	186	13,119	1.45	1.10	6.77	121.9	31.99
Washington	12	13,238	1.34	1.01	6.90	134.9	35.72
West Virginia	287	13,020	.73	.56	8.44	141.6	36.87
Boone	32	13,023	.81	.62	7.86	139.0	36.21
Mingo	255	13,020	.72	.55	8.52	141.9	36.96
Wyoming	852	8,752	.32	.37	5.15	94.7	16.57
Campbell	852	8,752	.32	.37	5.15	94.7	16.57
Detroit Edison Co St Clair	**5,353**	**9,950**	**.71**	**.72**	**4.65**	**145.1**	**28.88**
Montana	4,648	9,471	.35	.37	4.22	149.4	28.31
Big Horn	4,648	9,471	.35	.37	4.22	149.4	28.31
West Virginia	705	13,110	3.12	2.38	7.49	124.6	32.67
Harrison	625	13,077	3.23	2.47	7.55	124.3	32.51
Marion	42	13,337	2.41	1.81	7.55	122.4	32.64
Monongalia	38	13,408	2.06	1.54	6.40	131.7	35.32
Detroit Edison Co Trenton Channel	**2,055**	**10,573**	**.72**	**.68**	**5.37**	**113.7**	**24.05**
Kentucky	11	12,830	.98	.76	9.70	139.9	35.90
Pike	11	12,830	.98	.76	9.70	139.9	35.90
Pennsylvania	820	13,128	1.51	1.15	6.82	128.7	33.80
Greene	797	13,123	1.51	1.15	6.83	128.6	33.74
Washington	23	13,294	1.39	1.05	6.60	134.8	35.84

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Trenton Channel							
Wyoming	1,224	8,841	0.19	0.22	4.36	98.5	17.41
Campbell	1,212	8,842	.19	.22	4.34	98.5	17.42
Converse	12	8,767	.32	.37	5.90	97.4	17.08
Duke Power Co Allen	**1,759**	**12,532**	**.78**	**.62**	**10.08**	**141.1**	**35.37**
Kentucky	351	12,515	.87	.70	9.80	139.8	34.99
Martin	164	12,557	.77	.61	9.35	144.2	36.21
Pike	187	12,479	.96	.77	10.20	135.9	33.93
Virginia	115	12,811	1.02	.79	10.53	137.8	35.31
Russell	8	12,577	.69	.55	11.40	142.6	35.87
Wise	107	12,829	1.04	.81	10.46	137.4	35.26
West Virginia	1,293	12,512	.73	.58	10.12	141.8	35.48
Boone	11	12,771	.95	.74	11.10	140.4	35.86
Mingo	1,154	12,527	.71	.57	10.26	142.7	35.75
Wayne	128	12,356	.88	.71	8.73	133.6	33.00
Duke Power Co Belews Creek	**5,991**	**12,463**	**.81**	**.65**	**9.81**	**149.2**	**37.18**
Kentucky	3,984	12,372	.82	.67	9.96	154.2	38.17
Martin	3,829	12,370	.81	.66	9.93	154.9	38.32
Pike	155	12,436	1.07	.86	10.83	138.0	34.32
Virginia	10	13,026	.61	.47	9.00	142.2	37.05
Tazewell	10	13,026	.61	.47	9.00	142.2	37.05
West Virginia	1,997	12,640	.78	.62	9.49	139.3	35.21
Boone	45	12,770	.95	.74	11.55	138.0	35.25
Mingo	1,580	12,687	.75	.59	9.56	140.3	35.61
Wayne	372	12,425	.88	.71	8.98	134.9	33.52
Duke Power Co Buck	**670**	**11,905**	**1.00**	**.84**	**13.15**	**141.3**	**33.63**
Kentucky	602	11,879	1.00	.84	13.10	141.3	33.57
Martin	444	12,098	1.03	.85	11.28	145.7	35.25
Pike	158	11,266	.90	.80	18.20	128.1	28.87
Virginia	39	12,305	1.16	.95	12.24	141.9	34.92
Buchanan	3	12,358	.96	.78	10.60	151.6	37.47
Wise	36	12,301	1.18	.96	12.37	141.1	34.70
West Virginia	29	11,894	.91	.76	15.58	139.5	33.18
Fayette	14	12,755	1.15	.90	12.70	143.4	36.59
Mingo	15	11,089	.67	.61	18.27	135.2	29.99
Duke Power Co Cliffside	**1,589**	**12,650**	**.91**	**.72**	**8.39**	**134.3**	**33.97**
Kentucky	1,482	12,655	.92	.73	8.35	134.0	33.92
Floyd	459	12,508	1.00	.80	9.01	134.5	33.65
Harlan	233	12,651	1.01	.80	8.53	131.7	33.32
Knott	30	12,524	1.02	.82	9.53	141.0	35.33
Knox	9	12,868	1.32	1.03	8.80	138.2	35.57
Laurel	19	13,113	1.03	.79	7.30	131.8	34.57
Perry	673	12,765	.83	.65	7.70	134.1	34.23
Pike	59	12,440	.91	.73	9.43	135.5	33.72
Virginia	18	12,618	.76	.61	11.25	132.3	33.39
Dickenson	18	12,618	.76	.61	11.25	132.3	33.39
West Virginia	89	12,574	.77	.61	8.64	138.5	34.82
Boone	50	12,875	.77	.60	8.14	135.7	34.95
Lincoln	7	12,033	.65	.54	10.00	156.8	37.74
Raleigh	23	12,076	.72	.59	8.16	138.3	33.40
Wyoming	9	12,594	.96	.76	11.60	140.7	35.44
Duke Power Co Dan River	**392**	**12,426**	**1.04**	**.84**	**10.45**	**138.9**	**34.53**
Kentucky	327	12,380	1.04	.84	10.47	138.8	34.38
Harlan	4	12,855	.88	.68	9.55	144.6	37.18
Johnson	21	12,063	1.22	1.01	11.10	115.8	27.94
Martin	180	12,235	1.02	.84	11.12	140.8	34.44
Pike	122	12,633	1.05	.83	9.44	139.7	35.30
Virginia	34	12,682	1.11	.88	10.84	137.6	34.90
Lee	9	12,869	1.16	.90	7.19	132.1	34.01
Wise	25	12,615	1.10	.87	12.15	139.6	35.21

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, 1998 (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 Dan River							
West Virginia	31	12,630	0.92	0.73	9.85	141.5	35.74
Fayette	3	13,463	1.21	.90	10.00	139.4	37.53
Mingo	8	12,792	.84	.66	10.40	134.2	34.33
Wayne	20	12,441	.91	.73	9.60	144.8	36.03
Duke Power Co Lee	**435**	**12,534**	**.89**	**.71**	**9.13**	**145.9**	**36.56**
Kentucky	331	12,602	.94	.75	8.59	143.1	36.07
Floyd	154	12,537	1.02	.82	8.74	142.1	35.62
Harlan	45	12,672	.91	.72	8.90	141.8	35.93
Perry	63	12,762	.84	.66	7.83	144.1	36.78
Pike	69	12,556	.88	.70	8.74	145.3	36.50
West Virginia	104	12,316	.72	.58	10.85	154.8	38.14
Boone	88	12,243	.68	.55	10.77	155.3	38.03
Wyoming	16	12,719	.94	.74	11.30	152.3	38.74
Duke Power Co Marshall	**4,674**	**12,373**	**.98**	**.79**	**10.20**	**131.6**	**32.56**
Kentucky	3,380	12,295	1.01	.82	10.44	130.7	32.15
Clay	8	11,891	1.12	.94	13.00	133.5	31.75
Floyd	488	12,524	.94	.75	9.07	128.8	32.25
Harlan	380	12,681	1.00	.79	8.74	126.5	32.09
Johnson	11	12,238	1.26	1.03	10.70	121.6	29.76
Knott	20	12,413	.99	.80	10.25	136.0	33.76
Knox	48	12,799	1.28	1.00	8.97	123.2	31.53
Laurel	18	12,932	1.03	.80	8.00	122.4	31.66
Letcher	16	12,475	.92	.74	9.71	131.6	32.84
Martin	1,774	12,075	1.03	.85	11.44	132.4	31.98
Perry	56	12,055	.92	.76	11.71	132.3	31.90
Pike	561	12,486	.97	.78	9.71	130.9	32.68
Virginia	23	12,893	1.13	.88	9.99	138.1	35.62
Dickenson	7	13,374	1.05	.79	9.40	137.5	36.78
Wise	16	12,683	1.16	.92	10.25	138.4	35.11
West Virginia	1,271	12,572	.91	.72	9.54	133.7	33.62
Boone	301	12,936	.89	.69	9.29	132.6	34.30
Lincoln	8	12,060	.66	.55	9.50	157.8	38.06
Mingo	604	12,498	.94	.75	9.77	133.8	33.46
Wayne	290	12,366	.88	.71	8.80	133.1	32.91
Wyoming	68	12,555	.94	.75	11.87	137.8	34.60
Duke Power Co Riverbend	**789**	**12,402**	**.99**	**.80**	**9.87**	**136.6**	**33.89**
Kentucky	707	12,371	1.00	.81	9.94	136.4	33.74
Clay	17	11,830	1.02	.86	12.70	133.5	31.59
Floyd	161	12,458	1.01	.81	9.25	136.0	33.89
Harlan	116	12,620	.99	.79	8.72	134.7	33.99
Knott	116	12,132	1.13	.93	11.66	139.6	33.87
Letcher	53	12,309	.96	.78	10.31	132.5	32.62
Perry	10	12,372	.78	.63	9.50	137.0	33.90
Pike	234	12,359	.94	.76	9.90	137.0	33.86
Virginia	55	12,373	.98	.79	9.76	136.0	33.65
Wise	55	12,373	.98	.79	9.76	136.0	33.65
West Virginia	27	13,273	.90	.68	8.27	143.6	38.11
Boone	18	13,507	.87	.65	6.80	143.6	38.80
Wyoming	9	12,805	.95	.74	11.20	143.4	36.72
Duquesne Light Co Cheswick	**970**	**12,981**	**1.90**	**1.46**	**8.74**	**114.7**	**29.79**
Pennsylvania	906	12,975	1.94	1.49	8.81	114.0	29.57
Fayette	435	12,741	1.71	1.35	9.48	129.6	33.02
Greene	446	13,187	2.16	1.64	8.23	99.5	26.24
Washington	25	13,250	1.80	1.36	7.67	108.7	28.81
West Virginia	64	13,072	1.33	1.02	7.70	125.8	32.88
Fayette	64	13,072	1.33	1.02	7.70	125.8	32.88
Duquesne Light Co Elrama	**1,121**	**12,334**	**2.06**	**1.67**	**12.30**	**206.9**	**51.04**
Pennsylvania	856	12,195	2.23	1.83	13.31	234.5	57.21
Greene	832	12,200	2.23	1.83	13.27	238.4	58.17
Washington	24	12,014	2.41	2.00	14.43	98.9	23.76

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, 1998 (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 Elrama							
West Virginia	265	12,781	1.50	1.17	9.05	121.8	31.13
Fayette	209	12,899	1.32	1.02	7.94	125.5	32.37
Monongalia	56	12,342	2.15	1.75	13.17	107.4	26.50
East Kentucky Power Coop Inc Cooper	**783**	**12,344**	**1.18**	**.96**	**9.66**	**113.3**	**27.96**
Kentucky	783	12,344	1.18	.96	9.66	113.3	27.96
Breathitt	9	11,511	1.31	1.14	13.07	104.1	23.96
Clay	275	12,263	1.10	.90	10.04	112.2	27.52
Harlan	7	12,750	1.14	.89	10.20	127.6	32.53
Knott	3	13,015	.89	.68	8.50	120.1	31.26
Laurel	5	11,736	1.32	1.13	11.32	105.1	24.68
Leslie	151	12,076	1.07	.88	10.63	117.4	28.35
Letcher	19	13,127	1.07	.82	6.74	129.9	34.10
Owsley	10	12,718	1.24	.97	7.47	115.0	29.25
Perry	158	12,429	1.33	1.07	9.25	110.5	27.46
Pulaski	59	12,532	1.34	1.07	9.95	109.7	27.51
Whitley	87	12,630	1.29	1.02	7.76	112.8	28.49
East Kentucky Power Coop Inc Dale	**466**	**12,331**	**.85**	**.69**	**9.48**	**112.7**	**27.80**
Kentucky	466	12,331	.85	.69	9.48	112.7	27.80
Breathitt	43	11,585	.94	.81	11.95	107.1	24.81
Clay	61	12,287	.95	.77	10.24	112.8	27.71
Floyd	6	11,806	1.08	.91	13.40	110.3	26.04
Letcher	41	12,603	.78	.62	7.99	114.0	28.74
Perry	312	12,419	.83	.67	9.11	113.2	28.12
Pike	3	12,063	.85	.70	10.32	125.6	30.31
East Kentucky Power Coop Inc Spurlock	**2,503**	**12,322**	**.73**	**.59**	**10.95**	**114.4**	**28.20**
Kentucky	1,495	12,449	.74	.59	10.50	114.3	28.46
Boyd	333	12,093	.70	.58	10.74	115.8	28.00
Breathitt	324	12,336	.64	.52	13.31	112.7	27.80
Floyd	184	12,361	.80	.65	9.91	112.0	27.68
Greenup	234	12,369	.85	.69	12.23	110.1	27.24
Knott	19	12,674	.71	.56	7.59	114.9	29.13
Letcher	36	12,683	.65	.51	8.32	113.1	28.69
Perry	211	13,304	.74	.56	5.64	119.9	31.89
Pike	154	12,432	.80	.64	9.64	115.6	28.75
West Virginia	1,008	12,133	.71	.59	11.63	114.6	27.82
Boone	50	12,386	.66	.53	10.47	125.5	31.10
Fayette	358	12,125	.81	.67	13.05	109.1	26.46
Kanawha	136	12,315	.71	.57	12.25	118.5	29.18
Mingo	124	12,096	.63	.52	10.64	115.2	27.86
Raleigh	7	12,028	.79	.65	14.06	112.1	26.97
Wayne	333	12,046	.65	.54	10.35	117.2	28.24
Electric Energy Inc Joppa	**5,191**	**8,737**	**.22**	**.25**	**4.48**	**83.3**	**14.55**
Wyoming	5,191	8,737	.22	.25	4.48	83.3	14.55
Campbell	4,619	8,724	.22	.25	4.39	83.0	14.49
Converse	572	8,844	.24	.27	5.17	85.0	15.04
Empire District Electric Co Riverton	**318**	**9,654**	**.93**	**.96**	**6.05**	**116.6**	**22.52**
Oklahoma	75	12,400	3.35	2.71	11.56	118.7	29.43
Craig	75	12,400	3.35	2.71	11.56	118.7	29.43
Wyoming	243	8,807	.18	.21	4.35	115.8	20.39
Campbell	243	8,807	.18	.21	4.35	115.8	20.39
Empire District Electric Co Asbury	**893**	**9,061**	**.45**	**.50**	**5.13**	**103.2**	**18.71**
Kentucky	15	11,500	3.25	2.83	13.00	169.3	38.94
Webster	15	11,500	3.25	2.83	13.00	169.3	38.94
Missouri	68	11,752	3.04	2.59	12.27	116.1	27.29
Barton	68	11,752	3.04	2.59	12.27	116.1	27.29
Wyoming	811	8,792	.19	.21	4.39	100.2	17.63
Campbell	811	8,792	.19	.21	4.39	100.2	17.63
Florida Power Corp Crystal River	**3,534**	**12,642**	**.92**	**.73**	**8.76**	**173.5**	**43.87**

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, 1998 (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)
Florida Power Corp Crystal River							
Kentucky	2,739	12,728	0.97	0.76	8.46	164.4	41.84
Bell	207	12,831	1.08	.84	7.90	165.4	42.46
Floyd	495	12,274	1.04	.84	10.16	164.3	40.34
Harlan	29	12,588	.87	.69	9.19	161.6	40.68
Knott	435	12,585	1.02	.81	8.69	162.8	40.98
Letcher	715	12,991	1.12	.86	7.08	161.9	42.06
Perry	9	12,429	1.01	.81	10.42	174.3	43.32
Pike	850	12,827	.76	.59	8.60	167.0	42.84
Virginia	776	12,343	.73	.59	9.79	206.8	51.05
Lee	776	12,343	.73	.59	9.79	206.8	51.05
West Virginia	19	12,503	.70	.56	10.34	175.9	43.98
Boone	19	12,503	.70	.56	10.34	175.9	43.98
Florida Power Corp IMT Transfer[3]	**2,059**	**12,526**	**.69**	**.55**	**9.65**	**172.2**	**43.13**
Kentucky	839	12,611	.67	.53	9.14	169.3	42.70
Floyd	69	12,318	.67	.54	9.49	185.5	45.70
Knott	361	12,548	.66	.53	9.74	168.3	42.25
Letcher	92	12,623	.69	.55	9.18	164.3	41.49
Perry	18	13,267	.75	.57	5.43	160.0	42.45
Pike	299	12,714	.69	.54	8.56	168.8	42.93
West Virginia	1,140	12,432	.70	.56	10.30	174.7	43.44
Boone	641	12,575	.72	.57	10.47	172.0	43.25
Clay	9	12,360	.67	.54	13.69	157.2	38.87
Kanawha	29	11,877	.75	.63	13.13	139.1	33.04
Mingo	68	12,225	.63	.52	10.48	158.5	38.75
Raleigh	7	11,415	.85	.74	13.31	139.4	31.83
Wayne	386	12,292	.66	.54	9.65	185.8	45.67
Imported	80	12,968	.73	.56	5.67	166.9	43.30
Imported Coal	80	12,968	.73	.56	5.67	166.9	43.30
Fremont City of Wright	**236**	**8,618**	**.28**	**.33**	**4.63**	**92.3**	**15.91**
Wyoming	236	8,618	.28	.33	4.63	92.3	15.91
Campbell	225	8,521	.27	.32	4.59	89.9	15.32
Carbon	10	10,795	.60	.56	5.49	135.0	29.15
Gainesville Regional Util Deerhaven	**639**	**13,098**	**.66**	**.50**	**7.23**	**165.8**	**43.43**
Kentucky	639	13,098	.66	.50	7.23	165.8	43.43
Pike	639	13,098	.66	.50	7.23	165.8	43.43
Georgia Power Co Arkwright	**130**	**12,743**	**1.87**	**1.47**	**9.09**	**161.7**	**41.21**
Kentucky	77	12,565	1.97	1.57	9.91	157.4	39.55
Bell	77	12,565	1.97	1.57	9.91	157.4	39.55
Virginia	8	12,804	1.67	1.30	11.14	161.4	41.33
Wise	8	12,804	1.67	1.30	11.14	161.4	41.33
West Virginia	45	13,033	1.72	1.32	7.32	168.8	43.99
Mingo	45	13,033	1.72	1.32	7.32	168.8	43.99
Georgia Power Co Atkinson-Mcdonoug	**1,368**	**12,782**	**1.02**	**.80**	**8.72**	**136.7**	**34.96**
Kentucky	1,243	12,903	1.05	.81	7.96	137.2	35.39
Harlan	368	12,646	1.11	.88	8.36	135.7	34.33
Leslie	31	12,746	.98	.77	7.90	135.7	34.59
Perry	843	13,020	1.03	.79	7.79	137.8	35.89
West Virginia	126	11,593	.76	.65	16.18	132.2	30.66
Boone	126	11,593	.76	.65	16.18	132.2	30.66
Georgia Power Co Bowen	**7,620**	**12,317**	**.91**	**.73**	**11.25**	**141.5**	**34.85**
Kentucky	5,688	12,575	.96	.77	9.37	144.0	36.22
Harlan	476	12,482	1.16	.93	9.40	135.4	33.81
Leslie	395	12,710	.99	.78	8.49	138.8	35.29
Letcher	51	12,186	.91	.75	10.46	133.6	32.56
Perry	4,765	12,578	.94	.75	9.43	145.4	36.58
West Virginia	1,932	11,557	.74	.64	16.76	133.3	30.80
Boone	1,677	11,691	.72	.61	15.83	135.0	31.57
Kanawha	71	10,753	1.17	1.08	24.78	119.7	25.73
Logan	124	10,486	.59	.56	21.53	122.0	25.59
Mingo	41	10,951	1.13	1.03	23.59	119.0	26.06
Raleigh	20	11,026	1.10	1.00	23.13	119.1	26.26

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, 1998 (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 Hammond	**1,300**	**12,733**	**0.90**	**0.71**	**10.07**	**151.1**	**38.49**
Alabama	9	12,306	1.87	1.52	12.04	142.5	35.07
Fayette	9	12,306	1.87	1.52	12.04	142.5	35.07
Kentucky	786	12,663	.91	.72	10.07	149.6	37.89
Bell	75	12,779	1.73	1.35	9.23	142.5	36.42
Harlan	518	12,756	.72	.57	9.72	146.8	37.45
Johnson	41	12,059	1.38	1.14	11.80	155.2	37.42
Martin	55	12,092	1.33	1.10	11.71	150.4	36.38
Pike	96	12,657	.85	.67	10.90	167.8	42.47
Tennessee	48	12,921	.65	.50	10.61	155.0	40.06
Cumberland	48	12,921	.65	.50	10.61	155.0	40.06
Virginia	448	12,837	.88	.69	10.03	153.4	39.39
Lee	20	12,283	.70	.57	9.94	153.8	37.78
Wise	428	12,863	.89	.69	10.04	153.4	39.47
West Virginia	8	13,081	1.48	1.13	7.34	154.0	40.29
Mingo	8	13,081	1.48	1.13	7.34	154.0	40.29
Georgia Power Co Harllee Branch	**3,263**	**12,381**	**1.28**	**1.04**	**10.41**	**157.3**	**38.94**
Kentucky	3,263	12,381	1.28	1.04	10.41	157.3	38.94
Breathitt	511	12,212	1.66	1.36	10.18	150.2	36.69
Harlan	92	11,998	1.25	1.05	10.89	149.4	35.86
Knott	897	12,572	1.05	.84	10.15	173.4	43.61
Leslie	60	12,698	1.07	.84	8.36	155.7	39.53
Perry	1,185	12,245	1.42	1.16	10.58	152.1	37.24
Pike	518	12,561	1.03	.82	10.86	149.1	37.46
Georgia Power Co Mitchell	**216**	**12,777**	**1.31**	**1.02**	**8.92**	**171.4**	**43.80**
Kentucky	216	12,777	1.31	1.02	8.92	171.4	43.80
Harlan	216	12,777	1.31	1.02	8.92	171.4	43.80
Georgia Power Co Scherer	**10,688**	**10,432**	**.49**	**.47**	**7.01**	**172.1**	**35.90**
Kentucky	1,774	13,056	.65	.50	7.53	162.3	42.37
Daviess	37	13,270	.65	.49	6.26	172.7	45.83
Harlan	1,199	13,187	.66	.50	7.15	162.3	42.81
Martin	206	12,944	.63	.49	6.52	163.1	42.22
Pike	331	12,625	.66	.52	9.64	160.4	40.49
Virginia	320	13,123	.72	.55	8.45	158.8	41.68
Lee	116	12,866	.70	.54	8.90	160.0	41.17
Wise	204	13,269	.73	.55	8.19	158.1	41.97
West Virginia	2,436	12,410	.63	.51	10.73	220.4	54.70
Mingo	2,356	12,398	.63	.51	10.79	222.5	55.18
Wyoming	6,158	8,754	.37	.42	5.31	150.2	26.30
Campbell	4,642	8,729	.41	.47	5.30	150.6	26.30
Converse	1,517	8,829	.25	.28	5.35	149.0	26.32
Georgia Power Co Wansley	**4,116**	**12,339**	**1.08**	**.87**	**10.43**	**147.0**	**36.29**
Illinois	677	12,034	1.36	1.13	7.20	137.7	33.14
Saline	677	12,034	1.36	1.13	7.20	137.7	33.14
Kentucky	1,897	11,962	1.15	.96	12.31	146.0	34.93
Bell	275	12,719	1.60	1.26	8.75	148.7	37.83
Breathitt	44	11,280	.87	.77	18.40	135.6	30.59
Harlan	117	12,801	.97	.76	8.48	160.9	41.19
Leslie	33	12,780	1.27	.99	8.91	145.2	37.11
Martin	47	12,057	1.26	1.04	11.88	156.2	37.68
Perry	1,335	11,746	1.08	.92	13.06	144.1	33.84
Pike	46	11,537	.87	.76	18.75	143.7	33.15
Virginia	1,531	12,937	.87	.67	9.52	151.7	39.25
Lee	18	13,476	.64	.47	5.31	167.2	45.06
Wise	1,514	12,931	.87	.67	9.57	151.5	39.18
West Virginia	10	12,721	.77	.61	11.05	208.5	53.05
Mingo	10	12,721	.77	.61	11.05	208.5	53.05
Georgia Power Co Yates	**2,201**	**12,843**	**1.03**	**.80**	**9.66**	**153.2**	**39.36**
Alabama	63	12,371	1.88	1.52	12.23	142.4	35.24
Fayette	63	12,371	1.88	1.52	12.23	142.4	35.24

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, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Yates							
Kentucky	670	12,860	0.79	0.61	9.25	152.6	39.26
Bell	53	13,187	1.14	.87	7.03	152.3	40.16
Harlan	550	12,857	.74	.57	9.24	152.0	39.08
Martin	11	12,141	1.35	1.11	12.09	154.6	37.54
Pike	56	12,720	.89	.70	10.91	159.2	40.51
Virginia	1,139	12,840	.97	.75	10.24	152.6	39.18
Lee	85	12,029	1.05	.88	12.38	145.4	34.99
Wise	1,054	12,905	.96	.74	10.07	153.1	39.52
West Virginia	330	12,906	1.60	1.24	8.01	158.6	40.95
Mingo	330	12,906	1.60	1.24	8.01	158.6	40.95
Grand Haven City of J B Simms	**178**	**11,644**	**2.38**	**2.05**	**9.92**	**139.4**	**32.47**
Indiana	120	11,025	2.33	2.11	10.54	138.2	30.47
Greene	120	11,025	2.33	2.11	10.54	138.2	30.47
Pennsylvania	30	12,508	2.73	2.19	10.25	141.8	35.48
Indiana	30	12,508	2.73	2.19	10.25	141.8	35.48
West Virginia	28	13,347	2.23	1.67	6.95	141.3	37.71
Monongalia	28	13,347	2.23	1.67	6.95	141.3	37.71
Grand Island City of Platte	**406**	**8,721**	**.45**	**.52**	**5.49**	**67.6**	**11.80**
Wyoming	406	8,721	.45	.52	5.49	67.6	11.80
Campbell	406	8,721	.45	.52	5.49	67.6	11.80
Grand River Dam Authority GRDA 1	**3,895**	**8,513**	**.41**	**.48**	**5.09**	**87.4**	**14.89**
Oklahoma	87	12,893	3.62	2.81	9.54	101.9	26.27
Rogers	87	12,893	3.62	2.81	9.54	101.9	26.27
Wyoming	3,808	8,413	.33	.40	4.99	86.9	14.63
Campbell	3,808	8,413	.33	.40	4.99	86.9	14.63
Gulf Power Co Crist	**2,472**	**12,203**	**1.02**	**.84**	**6.93**	**156.9**	**38.30**
Alabama	115	12,796	.83	.65	9.43	158.5	40.55
Tuscaloosa	92	13,060	.73	.56	8.30	152.0	39.71
Walker	23	11,717	1.21	1.03	14.04	187.7	43.98
Illinois	1,704	12,043	1.12	.93	6.78	157.1	37.83
Jefferson	173	12,036	.93	.78	6.33	153.4	36.94
Saline	1,531	12,044	1.14	.95	6.83	157.5	37.94
Kentucky	83	12,924	1.24	.96	7.73	168.8	43.64
Letcher	83	12,924	1.24	.96	7.73	168.8	43.64
West Virginia	137	12,595	.93	.74	10.42	169.3	42.64
Boone	85	12,743	.90	.70	10.65	140.6	35.82
Fayette	20	11,451	1.16	1.01	13.10	211.9	48.53
Kanawha	32	12,932	.86	.67	8.10	220.7	57.08
Imported	434	12,415	.69	.56	5.64	149.6	37.13
Imported Coal	434	12,415	.69	.56	5.64	149.6	37.13
Gulf Power Co Scholtz	**138**	**12,833**	**1.33**	**1.04**	**8.59**	**160.7**	**41.25**
Kentucky	138	12,833	1.33	1.04	8.59	160.7	41.25
Harlan	61	12,908	1.44	1.12	9.30	166.8	43.06
Perry	70	12,793	1.08	.85	8.00	154.9	39.64
Webster	7	12,571	2.90	2.31	8.10	165.0	41.48
Gulf Power Co Smith	**1,007**	**12,054**	**2.59**	**2.15**	**9.44**	**142.6**	**34.37**
Alabama	14	11,636	2.94	2.53	14.81	174.4	40.58
Walker	14	11,636	2.94	2.53	14.81	174.4	40.58
Illinois	313	12,484	2.38	1.91	8.76	143.7	35.88
Gallatin	239	12,653	2.68	2.12	9.28	140.7	35.59
Saline	58	11,994	1.02	.85	6.92	147.4	35.37
White	16	11,738	2.93	2.50	7.60	177.9	41.77
Kentucky	680	11,864	2.67	2.25	9.64	141.4	33.55
Hopkins	29	12,075	2.70	2.23	9.28	136.9	33.07
Union	517	11,812	2.74	2.32	9.00	141.7	33.47
Webster	134	12,020	2.43	2.02	12.20	141.2	33.94
Gulf States Utilities Co Nelson	**2,141**	**8,691**	**.44**	**.51**	**5.35**	**137.8**	**23.96**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 States Utilities Co Nelson							
Wyoming	2,141	8,691	0.44	0.51	5.35	137.8	23.96
Campbell	2,141	8,691	.44	.51	5.35	137.8	23.96
Hamilton City of Hamilton	**165**	**12,303**	**.73**	**.59**	**10.10**	**140.7**	**34.62**
Kentucky	144	12,317	.72	.59	10.06	139.9	34.46
Letcher	144	12,317	.72	.59	10.06	139.9	34.46
West Virginia	21	12,207	.73	.60	10.40	146.4	35.75
Mingo	21	12,207	.73	.60	10.40	146.4	35.75
Hastings City of Hastings	**323**	**8,611**	**.31**	**.36**	**4.84**	**63.6**	**10.95**
Wyoming	323	8,611	.31	.36	4.84	63.6	10.95
Campbell	323	8,611	.31	.36	4.84	63.6	10.95
Holland City of James De Young	**176**	**12,886**	**.80**	**.62**	**6.83**	**171.2**	**44.12**
Colorado	37	12,295	.59	.48	9.70	160.0	39.34
Gunnison	37	12,295	.59	.48	9.70	160.0	39.34
Kentucky	139	13,043	.86	.66	6.07	174.0	45.39
Pike	139	13,043	.86	.66	6.07	174.0	45.39
Holyoke Water Power Co Mount Tom	**380**	**13,130**	**1.04**	**.79**	**7.20**	**178.9**	**46.98**
Kentucky	186	13,030	.63	.48	7.29	196.5	51.20
Pike	186	13,030	.63	.48	7.29	196.5	51.20
Pennsylvania	183	13,243	1.48	1.11	7.08	160.9	42.61
Greene	81	13,225	1.65	1.24	7.56	161.1	42.62
Washington	101	13,258	1.34	1.01	6.70	160.7	42.61
West Virginia	11	12,962	.80	.62	7.56	185.0	47.96
Boone	10	12,880	.82	.64	7.70	187.3	48.24
Wyoming	2	13,456	.68	.51	6.75	171.9	46.28
Hoosier Energy R E C Inc Merom	**3,236**	**10,945**	**3.20**	**2.92**	**11.04**	**123.4**	**27.00**
Indiana	3,236	10,945	3.20	2.92	11.04	123.4	27.00
Clay	1,364	10,803	3.53	3.26	11.70	142.1	30.70
Daviess	273	11,070	2.76	2.49	10.02	99.9	22.11
Greene	19	11,215	2.76	2.46	10.04	84.8	19.01
Knox	998	10,965	2.44	2.22	10.20	118.3	25.94
Pike	522	11,206	4.23	3.78	11.62	101.7	22.80
Sullivan	58	10,884	1.59	1.46	9.71	100.0	21.76
Unknown[2]	1	11,163	2.63	2.36	10.30	86.4	19.29
Hoosier Energy R E C Inc Frank E Ratts	**739**	**11,093**	**1.27**	**1.14**	**8.37**	**133.7**	**29.66**
Indiana	739	11,093	1.27	1.14	8.37	133.7	29.66
Pike	739	11,093	1.27	1.14	8.37	133.7	29.66
Houston Lighting & Power Co Limestone	**8,708**	**6,467**	**.98**	**1.52**	**17.42**	**91.3**	**11.81**
Texas	8,708	6,467	.98	1.52	17.42	91.3	11.81
Freestone	815	6,535	.99	1.51	17.88	92.8	12.13
Leon	7,893	6,460	.98	1.52	17.37	91.1	11.77
Houston Lighting & Power Co Parish	**11,433**	**8,617**	**.39**	**.46**	**5.06**	**176.3**	**30.39**
Wyoming	11,433	8,617	.39	.46	5.06	176.3	30.39
Campbell	11,433	8,617	.39	.46	5.06	176.3	30.39
IES Utilities Co 6th St	**176**	**10,092**	**.44**	**.44**	**4.65**	**144.2**	**29.10**
Illinois	36	12,008	.91	.76	6.78	159.2	38.22
Franklin	3	12,024	.87	.72	6.53	160.5	38.60
Jefferson	33	12,006	.91	.76	6.81	159.0	38.19
Montana	141	9,605	.32	.34	4.11	139.4	26.78
Big Horn	141	9,605	.32	.34	4.11	139.4	26.78
IES Utilities Co Burlington	**669**	**8,457**	**.46**	**.54**	**5.29**	**84.2**	**14.25**
Colorado	6	11,431	.54	.47	11.66	142.5	32.58
Mesa	6	11,431	.54	.47	11.66	142.5	32.58
Wyoming	663	8,430	.46	.54	5.23	83.5	14.08
Campbell	663	8,430	.46	.54	5.23	83.5	14.08
IES Utilities Co Ottumwa	**3,136**	**8,355**	**.34**	**.41**	**6.04**	**89.9**	**15.02**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Ottumwa							
Wyoming	3,136	8,355	0.34	0.41	6.04	89.9	15.02
Campbell	3,136	8,355	.34	.41	6.04	89.9	15.02
IES Utilities Co Prairie Creek 1-4	**857**	**8,385**	**.34**	**.40**	**5.92**	**85.1**	**14.26**
Wyoming	857	8,385	.34	.40	5.92	85.1	14.26
Campbell	857	8,385	.34	.40	5.92	85.1	14.26
IES Utilities Co Sutherland	**526**	**8,343**	**.33**	**.40**	**5.37**	**71.7**	**11.97**
Wyoming	526	8,343	.33	.40	5.37	71.7	11.97
Campbell	526	8,343	.33	.40	5.37	71.7	11.97
Illinois Power Co Baldwin	**4,964**	**10,742**	**2.85**	**2.65**	**10.22**	**105.8**	**22.72**
Illinois	4,964	10,742	2.85	2.65	10.22	105.8	22.72
Perry	1,564	10,922	2.87	2.63	10.08	108.5	23.70
Washington	3,400	10,660	2.84	2.66	10.29	104.5	22.27
Illinois Power Co Havana	**916**	**11,631**	**.52**	**.45**	**9.56**	**136.7**	**31.80**
Colorado	358	11,862	.50	.43	9.30	139.5	33.09
Gunnison	358	11,862	.50	.43	9.30	139.5	33.09
Utah	546	11,510	.53	.46	9.78	134.9	31.05
Carbon	546	11,510	.53	.46	9.78	134.9	31.05
Wyoming	12	10,279	.55	.54	7.50	134.6	27.67
Carbon	12	10,279	.55	.54	7.50	134.6	27.67
Illinois Power Co Hennepin	**735**	**10,835**	**2.83**	**2.62**	**9.85**	**114.3**	**24.77**
Illinois	646	10,748	2.83	2.63	9.94	114.5	24.61
Macoupin	21	10,804	3.20	2.96	8.12	137.8	29.77
Washington	625	10,746	2.81	2.62	10.00	113.7	24.44
Kentucky	89	11,465	2.89	2.52	9.20	113.0	25.92
Union	89	11,465	2.89	2.52	9.20	113.0	25.92
Illinois Power Co Vermilion	**487**	**10,425**	**1.48**	**1.42**	**10.51**	**110.7**	**23.07**
Illinois	487	10,425	1.48	1.42	10.51	110.7	23.07
Vermilion	487	10,425	1.48	1.42	10.51	110.7	23.07
Illinois Power Co Wood River	**952**	**11,864**	**.70**	**.59**	**7.85**	**135.0**	**32.04**
Colorado	536	11,963	.53	.44	9.05	138.5	33.14
Gunnison	536	11,963	.53	.44	9.05	138.5	33.14
Illinois	416	11,736	.93	.80	6.31	130.4	30.62
Jefferson	297	12,346	.84	.68	5.52	132.5	32.73
Macoupin	119	10,219	1.18	1.16	8.29	124.1	25.37
Independence City of Blue Valley	**104**	**10,801**	**3.35**	**3.10**	**16.61**	**117.9**	**25.48**
Missouri	104	10,801	3.35	3.10	16.61	117.9	25.48
Barton	1	11,413	3.56	3.12	12.80	117.0	26.71
Bates	104	10,797	3.35	3.10	16.63	118.0	25.47
Indiana Michigan Power Co Tanners Creek	**1,942**	**12,302**	**1.13**	**.92**	**9.58**	**121.2**	**29.83**
Kentucky	788	12,895	1.56	1.21	6.91	125.1	32.27
Floyd	6	11,760	.65	.55	10.66	119.9	28.21
Hopkins	165	11,666	2.24	1.92	9.37	110.6	25.81
Knott	6	13,384	1.69	1.26	5.60	125.1	33.49
Letcher	556	13,298	1.45	1.09	5.88	129.2	34.35
Pike	54	12,569	.67	.53	9.78	122.6	30.82
Ohio	119	10,946	2.57	2.35	11.59	107.4	23.51
Gallia	39	10,946	2.57	2.35	11.59	107.4	23.51
Jackson	39	10,946	2.57	2.35	11.59	107.4	23.51
Vinton	41	10,946	2.57	2.35	11.59	107.4	23.51
West Virginia	1,035	12,007	.63	.53	11.38	119.5	28.71
Boone	306	12,044	.64	.53	12.02	117.0	28.18
Fayette	13	12,279	.61	.50	10.90	174.2	42.78
Kanawha	93	12,167	.63	.52	12.87	124.1	30.20
Lincoln	73	11,926	.63	.53	10.37	116.2	27.72
Logan	119	12,053	.63	.52	12.86	115.3	27.81
Mingo	244	11,962	.63	.53	10.40	121.7	29.13
Wayne	186	11,909	.64	.53	10.38	118.4	28.21

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, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Indiana Michigan Power Co Rockport	**9,948**	**8,919**	**0.30**	**0.34**	**5.11**	**106.9**	**19.06**
Illinois	18	10,736	2.87	2.67	9.97	107.0	22.98
Washington	18	10,736	2.87	2.67	9.97	107.0	22.98
Kentucky	448	12,157	.86	.71	10.67	115.3	28.03
Floyd	190	12,108	.88	.73	10.39	116.6	28.23
Pike	258	12,193	.85	.70	10.87	114.3	27.88
West Virginia	236	12,208	.70	.58	11.35	124.8	30.46
Boone	68	12,329	.75	.61	11.92	124.1	30.59
Clay	23	12,218	.91	.75	13.23	120.6	29.47
Fayette	7	12,238	.90	.74	12.97	121.1	29.63
Kanawha	4	12,237	.90	.74	12.98	121.1	29.64
Lincoln	5	12,175	.64	.53	9.70	121.8	29.66
Logan	30	12,111	.62	.51	13.40	123.0	29.79
Mingo	69	12,153	.62	.51	9.86	127.7	31.03
Wayne	31	12,144	.65	.53	9.71	126.5	30.72
Wyoming	9,245	8,674	.26	.30	4.67	105.6	18.33
Campbell	9,245	8,674	.26	.30	4.67	105.6	18.33
Indiana-Kentucky Electric Corp Clifty Creek	**4,486**	**10,092**	**.95**	**.94**	**6.44**	**118.8**	**23.99**
Ohio	744	10,899	4.08	3.74	13.35	109.0	23.76
Jackson	744	10,899	4.08	3.74	13.35	109.0	23.76
Virginia	813	13,814	.72	.52	5.63	159.6	44.10
Buchanan	813	13,814	.72	.52	5.63	159.6	44.10
Wyoming	2,929	8,854	.22	.25	4.90	104.3	18.46
Campbell	1,267	8,912	.19	.21	4.29	111.7	19.91
Converse	1,662	8,811	.25	.28	5.38	98.5	17.36
Indianapolis Power & Light Co Stout	**1,552**	**11,071**	**1.17**	**1.06**	**8.05**	**111.1**	**24.60**
Indiana	1,552	11,071	1.17	1.06	8.05	111.1	24.60
Greene	661	11,337	1.32	1.16	7.42	116.4	26.39
Sullivan	128	10,843	1.12	1.03	9.00	102.3	22.18
Vigo	763	10,878	1.05	.97	8.44	107.8	23.46
Indianapolis Power & Light Co Petersburg	**5,512**	**11,079**	**2.82**	**2.54**	**9.54**	**94.3**	**20.89**
Indiana	5,512	11,079	2.82	2.54	9.54	94.3	20.89
Daviess	1,297	11,315	2.51	2.22	8.66	92.1	20.83
Gibson	1,143	11,105	2.74	2.47	9.81	89.6	19.91
Greene	60	11,092	2.67	2.41	9.86	86.0	19.07
Knox	746	11,125	2.49	2.23	9.39	83.2	18.50
Warrick	2,266	10,916	3.14	2.88	9.94	101.9	22.24
Indianapolis Power & Light Co Pritchard	**625**	**10,971**	**1.08**	**.99**	**8.18**	**105.2**	**23.09**
Indiana	625	10,971	1.08	.99	8.18	105.2	23.09
Greene	187	11,408	1.30	1.14	6.61	112.1	25.59
Sullivan	341	10,764	.98	.91	8.94	101.3	21.82
Vigo	97	10,855	1.04	.96	8.56	104.7	22.73
Interstate Power Co Dubuque	**232**	**10,938**	**2.77**	**2.53**	**9.76**	**105.5**	**23.08**
Illinois	232	10,938	2.77	2.53	9.76	105.5	23.08
Washington	232	10,938	2.77	2.53	9.76	105.5	23.08
Interstate Power Co Lansing	**1,123**	**8,834**	**.60**	**.68**	**5.71**	**151.4**	**26.74**
Illinois	20	10,249	2.16	2.10	8.13	113.9	23.35
Perry	20	10,249	2.16	2.10	8.13	113.9	23.35
Kentucky	119	11,968	2.10	1.75	8.89	119.7	28.66
Hopkins	42	11,210	2.11	1.88	8.17	117.9	26.44
Union	77	12,379	2.09	1.69	9.29	120.6	29.86
Wyoming	984	8,426	.38	.46	5.28	157.7	26.58
Campbell	984	8,426	.38	.46	5.28	157.7	26.58
Interstate Power Co Kapp	**666**	**10,859**	**.48**	**.44**	**8.28**	**132.1**	**28.69**
Colorado	489	11,732	.49	.41	9.30	132.5	31.08
Mesa	489	11,732	.49	.41	9.30	132.5	31.08
Wyoming	177	8,446	.45	.53	5.43	130.7	22.08
Campbell	177	8,446	.45	.53	5.43	130.7	22.08
Iowa-Illinois Gas&Electric Co Riverside	**485**	**8,594**	**.22**	**.25**	**3.85**	**81.8**	**14.06**

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, 1998 (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)
Iowa-Illinois Gas&Electric Co Riverside							
Wyoming	485	8,594	0.22	0.25	3.85	81.8	14.06
Campbell	485	8,594	.22	.25	3.85	81.8	14.06
Iowa-Illinois Gas&Electric Co Louisa	**2,869**	**8,383**	**.33**	**.40**	**5.71**	**89.1**	**14.94**
Wyoming	2,869	8,383	.33	.40	5.71	89.1	14.94
Campbell	2,869	8,383	.33	.40	5.71	89.1	14.94
Jacksonville Electric Auth St. Johns River	**3,287**	**12,279**	**.99**	**.81**	**8.38**	**158.0**	**38.81**
Kentucky	1,689	12,710	1.31	1.03	9.80	169.4	43.06
Bell	241	12,849	1.06	.82	8.29	161.2	41.42
Harlan	1,126	12,820	1.30	1.01	9.11	173.7	44.54
Pike	322	12,221	1.52	1.24	13.37	160.2	39.16
West Virginia	10	12,169	.86	.71	13.20	149.6	36.41
Logan	10	12,169	.86	.71	13.20	149.6	36.41
Imported	1,588	11,821	.66	.56	6.84	145.1	34.30
Imported Coal	1,588	11,821	.66	.56	6.84	145.1	34.30
Jamestown City of Samuel A Carlson	**96**	**12,674**	**2.15**	**1.69**	**10.02**	**130.2**	**33.00**
Pennsylvania	96	12,674	2.15	1.69	10.02	130.2	33.00
Armstrong	18	12,774	2.13	1.66	9.32	130.3	33.29
Butler	40	12,788	2.32	1.82	9.60	130.1	33.27
Clarion	8	12,623	1.56	1.24	9.48	128.4	32.41
Elk	27	12,482	2.10	1.68	11.07	130.9	32.69
Jefferson	3	12,410	1.93	1.55	11.84	128.3	31.85
Kansas City City of Quindaro	**482**	**10,372**	**.58**	**.56**	**6.82**	**125.0**	**25.94**
Illinois	30	11,831	2.56	2.16	10.30	128.0	30.29
Williamson	30	11,831	2.56	2.16	10.30	128.0	30.29
Wyoming	452	10,275	.45	.43	6.59	124.8	25.64
Campbell	43	8,808	.34	.39	5.00	92.4	16.28
Carbon	408	10,431	.46	.44	6.76	127.7	26.64
Kansas City City of Nearman	**1,180**	**8,284**	**.37**	**.44**	**5.30**	**77.4**	**12.83**
Wyoming	1,180	8,284	.37	.44	5.30	77.4	12.83
Campbell	1,180	8,284	.37	.44	5.30	77.4	12.83
Kansas City Power & Light Co Hawthorne	**1,143**	**8,724**	**.33**	**.38**	**5.19**	**66.9**	**11.67**
Wyoming	1,143	8,724	.33	.38	5.19	66.9	11.67
Campbell	1,143	8,724	.33	.38	5.19	66.9	11.67
Kansas City Power & Light Co Iatan	**2,789**	**8,716**	**.35**	**.41**	**5.42**	**77.0**	**13.43**
Wyoming	2,789	8,716	.35	.41	5.42	77.0	13.43
Campbell	2,789	8,716	.35	.41	5.42	77.0	13.43
Kansas City Power & Light Co La Cygne	**5,033**	**8,664**	**.61**	**.71**	**6.14**	**66.5**	**11.52**
Kansas	353	10,931	4.08	3.73	19.33	102.1	22.33
Crawford	8	11,421	3.45	3.02	15.39	114.2	26.08
Linn	345	10,919	4.09	3.75	19.43	101.8	22.24
Missouri	21	10,532	3.21	3.05	15.68	126.5	26.65
Bates	21	10,532	3.21	3.05	15.68	126.5	26.65
Wyoming	4,659	8,484	.34	.40	5.10	62.6	10.63
Campbell	4,659	8,484	.34	.40	5.10	62.6	10.63
Kansas City Power & Light Co Montrose	**1,786**	**8,710**	**.34**	**.39**	**5.30**	**88.4**	**15.39**
Wyoming	1,786	8,710	.34	.39	5.30	88.4	15.39
Campbell	1,786	8,710	.34	.39	5.30	88.4	15.39
Kansas Power & Light Co Lawrence	**793**	**10,743**	**.43**	**.40**	**7.87**	**115.2**	**24.75**
Colorado	574	11,276	.47	.42	9.32	122.1	27.54
Routt	574	11,276	.47	.42	9.32	122.1	27.54
Montana	219	9,344	.34	.36	4.06	93.3	17.43
Big Horn	219	9,344	.34	.36	4.06	93.3	17.43
Kansas Power & Light Co Jeffrey Energy	**8,566**	**8,387**	**.38**	**.45**	**4.69**	**111.9**	**18.78**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Jeffrey Energy							
Wyoming	8,566	8,387	0.38	0.45	4.69	111.9	18.78
Campbell	8,566	8,387	.38	.45	4.69	111.9	18.78
Kansas Power & Light Co Tecumseh	**471**	**10,626**	**.43**	**.41**	**7.67**	**114.0**	**24.23**
Colorado	312	11,282	.47	.42	9.49	122.6	27.66
Routt	312	11,282	.47	.42	9.49	122.6	27.66
Montana	159	9,339	.34	.37	4.10	93.6	17.49
Big Horn	159	9,339	.34	.37	4.10	93.6	17.49
Kentucky Power Co Big Sandy	**2,936**	**12,231**	**1.18**	**.96**	**9.98**	**108.4**	**26.52**
Kentucky	2,935	12,231	1.18	.96	9.98	108.4	26.52
Breathitt	427	12,244	1.17	.95	9.71	103.7	25.39
Floyd	786	12,262	1.20	.98	10.41	116.3	28.51
Johnson	697	12,131	1.32	1.09	10.04	105.0	25.47
Knott	125	12,258	.93	.75	11.18	111.4	27.30
Lawrence	177	12,312	.99	.81	8.64	101.6	25.01
Magoffin	2	12,638	.74	.59	8.60	123.0	31.09
Martin	148	12,118	1.26	1.04	10.01	109.4	26.53
Perry	434	12,262	1.11	.91	9.67	104.1	25.54
Pike	140	12,416	.96	.77	9.66	113.6	28.22
West Virginia	2	12,068	.59	.49	10.90	112.5	27.15
Mingo	2	12,068	.59	.49	10.90	112.5	27.15
Kentucky Utilities Co Green River	**571**	**11,682**	**2.37**	**2.03**	**9.13**	**104.0**	**24.30**
Kentucky	571	11,682	2.37	2.03	9.13	104.0	24.30
Hopkins	246	11,887	2.15	1.81	9.43	102.0	24.25
Muhlenberg	325	11,527	2.53	2.19	8.90	105.5	24.33
Kentucky Utilities Co Brown	**1,515**	**12,053**	**1.32**	**1.09**	**11.95**	**112.2**	**27.05**
Kentucky	1,507	12,047	1.31	1.09	11.97	112.2	27.02
Breathitt	16	12,186	1.50	1.23	11.30	122.3	29.81
Perry	1,491	12,045	1.31	1.09	11.98	112.0	26.99
Pennsylvania	9	13,178	2.61	1.98	7.50	119.1	31.39
Greene	9	13,178	2.61	1.98	7.50	119.1	31.39
Kentucky Utilities Co Ghent	**5,149**	**12,080**	**1.44**	**1.19**	**11.47**	**112.6**	**27.21**
Indiana	299	11,277	3.26	2.89	9.18	99.3	22.40
Pike	299	11,277	3.26	2.89	9.18	99.3	22.40
Kentucky	1,322	12,011	1.16	.96	10.92	116.7	28.04
Daviess	233	11,184	3.19	2.86	8.82	99.7	22.30
Floyd	656	12,202	.66	.54	11.60	121.3	29.61
Knott	292	12,199	.69	.57	11.24	123.2	30.05
Letcher	55	12,452	.69	.56	8.13	113.0	28.14
Magoffin	60	11,965	.67	.56	11.78	114.7	27.45
Perry	5	11,990	2.43	2.03	9.82	86.9	20.84
Pike	21	11,623	2.98	2.56	13.90	76.6	17.81
West Virginia	3,528	12,174	1.39	1.14	11.86	112.1	27.30
Boone	155	12,456	.69	.55	11.87	117.2	29.20
Fayette	284	12,488	.66	.53	12.35	120.8	30.18
Kanawha	1,212	12,189	.66	.55	12.70	120.3	29.33
Logan	472	11,816	.65	.55	13.80	123.5	29.18
Marshall	907	12,259	3.50	2.86	10.37	88.2	21.62
Mingo	265	12,062	.66	.55	10.83	115.5	27.86
Wayne	233	12,057	.66	.55	10.00	122.9	29.63
Kentucky Utilities Co Tyrone	**103**	**12,930**	**.78**	**.60**	**7.76**	**120.1**	**31.05**
Kentucky	103	12,930	.78	.60	7.76	120.1	31.05
Letcher	75	12,933	.79	.61	7.61	117.7	30.45
Perry	28	12,924	.74	.57	8.17	126.4	32.66
Lakeland City of Plant 3-Mcintosh	**628**	**12,872**	**1.25**	**.97**	**8.53**	**175.9**	**45.29**
Kentucky	585	12,867	1.30	1.01	8.73	175.9	45.27
Harlan	447	12,835	1.30	1.02	9.03	175.7	45.09
Knott	138	12,972	1.28	.99	7.76	176.8	45.87

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, 1998 (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							
Imported	43	12,941	0.62	0.48	5.70	175.7	45.48
Imported Coal	43	12,941	.62	.48	5.70	175.7	45.48
Lansing City of Eckert	**749**	**10,335**	**.52**	**.50**	**6.72**	**150.0**	**31.01**
Kentucky	303	12,525	.84	.67	8.13	164.6	41.24
Pike	303	12,525	.84	.67	8.13	164.6	41.24
West Virginia	5	12,400	.82	.66	13.07	164.9	40.90
Nicholas	5	12,400	.82	.66	13.07	164.9	40.90
Wyoming	442	8,810	.29	.33	5.69	135.5	23.88
Campbell	25	8,728	.26	.30	6.20	136.8	23.88
Converse	417	8,815	.29	.33	5.66	135.4	23.88
Lansing City of Erickson	**367**	**12,309**	**.86**	**.70**	**8.88**	**162.2**	**39.93**
Kentucky	317	12,537	.91	.73	8.87	163.4	40.97
Pike	317	12,537	.91	.73	8.87	163.4	40.97
West Virginia	28	12,525	.78	.62	11.84	163.3	40.91
Nicholas	28	12,525	.78	.62	11.84	163.3	40.91
Wyoming	22	8,768	.20	.23	5.30	136.1	23.87
Campbell	12	8,725	.22	.25	5.40	136.8	23.87
Converse	10	8,821	.18	.20	5.18	135.3	23.87
Los Angeles City of Intermountain	**5,460**	**11,710**	**.52**	**.44**	**10.11**	**134.3**	**31.45**
Colorado	75	12,429	.45	.36	6.21	105.2	26.15
Delta	46	12,412	.35	.28	4.02	104.7	25.99
Gunnison	28	12,458	.60	.48	9.77	105.9	26.39
Utah	5,386	11,700	.52	.44	10.17	134.7	31.53
Carbon	4,127	11,577	.53	.46	10.38	147.3	34.11
Emery	1,259	12,104	.49	.40	9.46	95.3	23.07
Louisville Gas & Electric Co Cane Run	**1,423**	**11,292**	**3.30**	**2.92**	**11.27**	**98.4**	**22.21**
Indiana	892	11,214	3.31	2.95	10.49	97.9	21.95
Gibson	17	11,219	3.60	3.20	10.75	89.8	20.16
Pike	875	11,214	3.30	2.94	10.49	98.0	21.99
Kentucky	527	11,417	3.28	2.88	12.59	99.2	22.66
Henderson	9	10,705	2.70	2.52	12.20	109.3	23.40
Hopkins	463	11,422	3.34	2.92	12.49	98.2	22.44
Perry	6	11,691	.88	.75	14.90	129.6	30.30
Webster	49	11,475	3.18	2.77	13.24	103.2	23.69
Ohio	3	12,300	4.45	3.62	12.10	88.4	21.75
Belmont	3	12,300	4.45	3.62	12.10	88.4	21.75
Louisville Gas & Electric Co Mill Creek	**3,941**	**11,444**	**3.24**	**2.83**	**12.70**	**100.2**	**22.94**
Indiana	215	11,052	3.38	3.06	10.95	82.7	18.28
Gibson	196	11,053	3.48	3.15	11.14	81.3	17.96
Pike	18	11,063	2.34	2.12	8.97	99.8	22.08
Warrick	2	10,695	2.98	2.79	10.30	63.3	13.54
Kentucky	3,358	11,392	3.20	2.81	12.95	101.6	23.15
Henderson	288	10,666	3.34	3.13	11.81	99.1	21.15
Hopkins	2,077	11,455	3.37	2.94	12.78	98.3	22.51
Mclean	87	10,782	3.31	3.07	14.54	100.8	21.74
Magoffin	2	11,608	2.67	2.30	12.60	109.9	25.51
Perry	203	12,041	.99	.82	13.62	117.8	28.38
Pike	6	10,981	1.10	1.00	14.41	107.3	23.56
Webster	694	11,393	3.28	2.88	13.50	107.6	24.51
Ohio	58	12,219	4.47	3.66	11.54	97.1	23.73
Belmont	23	12,300	4.45	3.62	12.10	91.4	22.48
Monroe	35	12,166	4.48	3.68	11.17	100.9	24.54
West Virginia	310	12,134	3.40	2.80	11.41	98.1	23.80
Fayette	69	11,935	3.23	2.71	12.35	99.9	23.85
Kanawha	67	11,929	3.24	2.71	12.39	100.1	23.89
Marshall	174	12,292	3.53	2.87	10.67	96.6	23.75
Louisville Gas & Electric Co Trimble County	**1,584**	**11,458**	**3.64**	**3.17**	**14.61**	**89.4**	**20.48**
Kentucky	539	10,339	2.84	2.74	18.80	91.6	18.95
Henderson	51	10,628	3.68	3.47	13.01	90.5	19.23
Mclean	269	10,465	3.57	3.41	15.98	97.7	20.45
Martin	210	10,025	1.70	1.70	24.22	85.0	17.05
Unknown[2]	10	12,091	2.69	2.22	10.23	70.3	17.00

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 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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							
Ohio	459	12,252	4.48	3.66	10.86	88.3	21.64
Monroe	459	12,252	4.48	3.66	10.86	88.3	21.64
West Virginia	586	11,864	3.71	3.13	13.68	88.5	20.99
Kanawha	127	10,464	.94	.90	23.87	89.1	18.64
Marshall	459	12,252	4.48	3.66	10.86	88.3	21.64
Lower Colorado River Authority S Seymour-Fayette	**5,694**	**8,590**	**.34**	**.40**	**5.47**	**94.7**	**16.27**
Colorado	26	10,415	.43	.41	6.16	112.7	23.47
Moffat	26	10,415	.43	.41	6.16	112.7	23.47
Wyoming	5,668	8,582	.34	.40	5.47	94.6	16.24
Campbell	5,668	8,582	.34	.40	5.47	94.6	16.24
Madison Gas & Electric Co Blount	**156**	**10,723**	**1.41**	**1.31**	**9.14**	**137.3**	**29.45**
Indiana	156	10,723	1.41	1.31	9.14	137.3	29.45
Sullivan	156	10,723	1.41	1.31	9.14	137.3	29.45
Manitowoc Public Utilities Manitowoc	**112**	**12,897**	**1.19**	**.93**	**6.94**	**160.5**	**41.40**
Indiana	17	11,702	.96	.82	6.27	152.4	35.68
Owen	16	11,726	.94	.80	6.19	152.8	35.83
Sullivan	1	11,058	1.50	1.36	8.50	141.8	31.36
Kentucky	31	13,077	.81	.62	7.44	187.3	48.99
Pike	31	13,077	.81	.62	7.44	187.3	48.99
Pennsylvania	65	13,119	1.43	1.09	6.87	149.8	39.31
Greene	65	13,119	1.43	1.09	6.87	149.8	39.31
Marquette City of Shiras	**179**	**9,737**	**.39**	**.40**	**4.47**	**121.2**	**23.60**
Kentucky	18	13,222	.82	.62	7.08	157.9	41.76
Perry	18	13,222	.82	.62	7.08	157.9	41.76
Montana	161	9,345	.34	.36	4.17	115.3	21.56
Big Horn	161	9,345	.34	.36	4.17	115.3	21.56
Metropolitan Edison Co Portland	**754**	**13,211**	**1.29**	**.98**	**7.19**	**140.3**	**37.08**
Pennsylvania	754	13,211	1.29	.98	7.19	140.3	37.08
Greene	37	13,129	1.72	1.31	7.84	138.7	36.42
Washington	717	13,216	1.27	.96	7.16	140.4	37.12
Metropolitan Edison Co Titus	**508**	**13,216**	**1.31**	**.99**	**7.10**	**136.4**	**36.05**
Pennsylvania	508	13,216	1.31	.99	7.10	136.4	36.05
Greene	18	13,119	1.67	1.27	8.09	134.6	35.32
Washington	490	13,219	1.30	.98	7.07	136.5	36.08
Michigan South Central Pwr Agy Endicott	**139**	**11,876**	**3.28**	**2.76**	**10.53**	**158.5**	**37.66**
Ohio	139	11,876	3.28	2.76	10.53	158.5	37.66
Columbiana	24	12,116	3.15	2.60	12.46	161.1	39.04
Harrison	30	11,818	3.27	2.77	12.97	159.6	37.73
Tuscarawas	84	11,829	3.32	2.81	9.10	157.4	37.23
Midwest Power Council Bluffs	**3,545**	**8,383**	**.38**	**.46**	**4.96**	**68.4**	**11.47**
Wyoming	3,545	8,383	.38	.46	4.96	68.4	11.47
Campbell	3,545	8,383	.38	.46	4.96	68.4	11.47
Midwest Power George Neal 1/4	**6,118**	**8,607**	**.37**	**.43**	**5.09**	**74.3**	**12.79**
Wyoming	6,118	8,607	.37	.43	5.09	74.3	12.79
Campbell	5,790	8,484	.35	.42	5.04	72.0	12.21
Carbon	328	10,787	.63	.58	5.98	106.8	23.03
Minnesota Power & Light Co Boswell Energy Cen	**3,755**	**9,036**	**.56**	**.62**	**6.40**	**113.9**	**20.58**
Montana	3,632	9,046	.57	.63	6.45	113.7	20.57
Big Horn	1,625	9,344	.37	.39	4.33	106.6	19.93
Rosebud	2,007	8,804	.73	.83	8.17	119.7	21.08
Wyoming	123	8,748	.24	.28	4.81	120.2	21.03
Campbell	123	8,748	.24	.28	4.81	120.2	21.03
Minnesota Power & Light Co Laskin Energy Cen	**324**	**9,392**	**.35**	**.38**	**4.22**	**115.0**	**21.60**

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, 1998 (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 Laskin Energy Cen							
Montana	324	9,392	0.35	0.38	4.22	115.0	21.60
Big Horn	324	9,392	.35	.38	4.22	115.0	21.60
Minnkota Power Coop Inc Young	**4,136**	**6,702**	**.85**	**1.27**	**8.30**	**64.5**	**8.65**
North Dakota	4,136	6,702	.85	1.27	8.30	64.5	8.65
Oliver	4,136	6,702	.85	1.27	8.30	64.5	8.65
Mississippi Power Co Daniel	**2,831**	**9,412**	**.37**	**.39**	**4.46**	**147.2**	**27.70**
Montana	2,831	9,412	.37	.39	4.46	147.2	27.70
Big Horn	2,831	9,412	.37	.39	4.46	147.2	27.70
Mississippi Power Co Watson	**2,103**	**11,327**	**1.20**	**1.06**	**6.88**	**139.8**	**31.66**
Alabama	28	13,083	.74	.57	8.50	148.0	38.73
Tuscaloosa	28	13,083	.74	.57	8.50	148.0	38.73
Illinois	1,415	11,968	1.50	1.26	7.38	141.2	33.79
Gallatin	97	12,807	2.57	2.01	8.33	131.8	33.76
Saline	1,317	11,906	1.43	1.20	7.31	141.9	33.80
Kentucky	15	12,688	1.93	1.52	7.62	146.6	37.19
Letcher	9	13,141	1.41	1.07	6.90	156.5	41.13
Union	6	12,034	2.67	2.22	8.66	130.9	31.51
Pennsylvania	7	13,068	1.46	1.12	7.00	142.2	37.17
Washington	7	13,068	1.46	1.12	7.00	142.2	37.17
Wyoming	463	8,718	.42	.48	5.23	132.3	23.07
Campbell	463	8,718	.42	.48	5.23	132.3	23.07
Imported	174	12,586	.75	.60	6.94	140.4	35.35
Imported Coal	174	12,586	.75	.60	6.94	140.4	35.35
Monongahela Power Co Albright	**413**	**12,634**	**1.55**	**1.23**	**11.62**	**105.7**	**26.72**
Maryland	9	12,297	1.73	1.41	12.55	116.0	28.53
Garrett	9	12,297	1.73	1.41	12.55	116.0	28.53
Pennsylvania	16	12,181	1.75	1.44	11.98	105.7	25.75
Fayette	16	12,181	1.75	1.44	11.98	105.7	25.75
West Virginia	389	12,660	1.54	1.22	11.58	105.5	26.71
Monongalia	26	12,294	1.43	1.17	13.35	115.9	28.51
Preston	357	12,695	1.55	1.22	11.46	104.8	26.60
Upshur	6	12,124	1.42	1.17	11.58	105.0	25.46
Monongahela Power Co Ft Martin	**2,616**	**12,563**	**1.52**	**1.21**	**11.05**	**122.8**	**30.86**
Pennsylvania	2,048	12,671	1.54	1.22	10.40	129.3	32.76
Greene	2,024	12,663	1.55	1.22	10.45	129.6	32.81
Washington	24	13,349	1.29	.96	6.33	104.7	27.96
West Virginia	568	12,177	1.43	1.17	13.37	98.6	24.02
Marion	10	12,782	1.52	1.19	9.91	138.4	35.38
Monongalia	558	12,166	1.43	1.17	13.43	97.9	23.82
Monongahela Power Co Harrison	**5,207**	**12,516**	**3.53**	**2.82**	**11.93**	**114.4**	**28.64**
West Virginia	5,207	12,516	3.53	2.82	11.93	114.4	28.64
Barbour	170	12,648	3.42	2.71	11.91	79.8	20.20
Harrison	4,686	12,510	3.55	2.84	11.92	117.1	29.31
Marion	198	12,461	3.50	2.81	12.75	90.8	22.63
Monongalia	65	12,957	2.33	1.80	9.37	111.1	28.79
Upshur	89	12,432	3.15	2.53	12.42	91.3	22.70
Monongahela Power Co Pleasants	**3,164**	**12,299**	**3.85**	**3.13**	**10.75**	**91.5**	**22.49**
Ohio	1,142	12,519	3.85	3.08	9.29	88.9	22.26
Belmont	1,130	12,522	3.86	3.08	9.26	89.0	22.28
Harrison	12	12,196	3.45	2.83	11.74	82.2	20.04
West Virginia	2,022	12,175	3.85	3.17	11.57	92.9	22.63
Marshall	2,022	12,175	3.85	3.17	11.57	92.9	22.63
Monongahela Power Co Rivesville	**145**	**12,222**	**.92**	**.75**	**10.66**	**120.3**	**29.41**
Pennsylvania	125	12,195	.91	.74	10.44	120.9	29.48
Fayette	125	12,195	.91	.74	10.44	120.9	29.48
West Virginia	20	12,391	1.00	.81	12.08	117.0	29.00
Monongalia	20	12,391	1.00	.81	12.08	117.0	29.00
Monongahela Power Co Willow Island	**424**	**13,165**	**1.38**	**1.05**	**7.05**	**111.4**	**29.32**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Willow Island							
Pennsylvania	424	13,165	1.38	1.05	7.05	111.4	29.32
Greene	151	13,087	1.39	1.06	7.37	113.6	29.74
Washington	274	13,208	1.38	1.04	6.87	110.1	29.10
Montana Power Co Colstrip	**9,846**	**8,487**	**.75**	**.88**	**9.74**	**67.4**	**11.43**
Montana	9,846	8,487	.75	.88	9.74	67.4	11.43
Rosebud	9,846	8,487	.75	.88	9.74	67.4	11.43
Montana Power Co Corette	**397**	**8,314**	**.23**	**.28**	**4.45**	**54.4**	**9.04**
Wyoming	397	8,314	.23	.28	4.45	54.4	9.04
Campbell	397	8,314	.23	.28	4.45	54.4	9.04
Montana-Dakota Utilities Co Coyote	**2,332**	**6,926**	**1.09**	**1.58**	**8.72**	**83.3**	**11.54**
North Dakota	2,332	6,926	1.09	1.58	8.72	83.3	11.54
Mercer	1,207	6,935	1.07	1.55	8.60	83.0	11.51
Oliver	1,125	6,916	1.11	1.61	8.85	83.7	11.57
Montana-Dakota Utilities Co Heskett	**416**	**7,063**	**.81**	**1.15**	**7.19**	**110.2**	**15.56**
North Dakota	416	7,063	.81	1.15	7.19	110.2	15.56
Mercer	223	7,078	.84	1.18	7.13	109.9	15.56
Oliver	192	7,046	.78	1.11	7.27	110.6	15.58
Unknown[2]	*	7,005	1.07	1.53	7.54	55.6	7.79
Montana-Dakota Utilities Co Lewis and Clark	**277**	**6,702**	**.47**	**.70**	**8.15**	**91.1**	**12.21**
Montana	277	6,702	.47	.70	8.15	91.1	12.21
Richland	277	6,702	.47	.70	8.15	91.1	12.21
Montaup Electric Co Somerset	**308**	**12,696**	**.73**	**.58**	**7.88**	**179.5**	**45.58**
Kentucky	29	12,666	.71	.56	7.90	177.2	44.90
Pike	29	12,666	.71	.56	7.90	177.2	44.90
West Virginia	278	12,699	.73	.58	7.88	179.8	45.65
Mingo	278	12,699	.73	.58	7.88	179.8	45.65
Muscatine City of Muscatine	**852**	**8,776**	**.96**	**1.09**	**6.71**	**89.6**	**15.72**
Colorado	20	12,225	.54	.44	8.19	129.0	31.54
Mesa	20	12,225	.54	.44	8.19	129.0	31.54
Indiana	90	11,013	1.35	1.23	8.90	125.0	27.53
Sullivan	90	11,013	1.35	1.23	8.90	125.0	27.53
Wyoming	742	8,413	.92	1.10	6.41	82.4	13.87
Campbell	742	8,413	.92	1.10	6.41	82.4	13.87
Nebraska Public Power District Gerald Gentleman	**5,530**	**8,614**	**.26**	**.30**	**4.61**	**46.8**	**8.06**
Wyoming	5,530	8,614	.26	.30	4.61	46.8	8.06
Campbell	5,530	8,614	.26	.30	4.61	46.8	8.06
Nebraska Public Power District Sheldon	**947**	**8,795**	**.22**	**.25**	**4.50**	**62.7**	**11.03**
Wyoming	947	8,795	.22	.25	4.50	62.7	11.03
Campbell	866	8,718	.21	.24	4.44	60.7	10.59
Carbon	81	9,613	.38	.40	5.07	81.6	15.69
Nevada Power Co Gardner	**1,826**	**11,705**	**.44**	**.38**	**8.92**	**123.2**	**28.84**
Colorado	20	12,080	.50	.41	9.30	196.1	47.38
Gunnison	20	12,080	.50	.41	9.30	196.1	47.38
Utah	1,806	11,701	.44	.38	8.92	122.4	28.63
Carbon	862	12,016	.51	.42	9.60	132.4	31.82
Sevier	943	11,413	.38	.33	8.29	112.7	25.72
New England Power Co Brayton	**2,238**	**12,537**	**.67**	**.54**	**9.34**	**164.7**	**41.30**
Kentucky	342	12,710	.65	.51	6.99	170.4	43.30
Martin	322	12,696	.64	.51	7.02	171.2	43.47
Pike	20	12,925	.69	.53	6.41	157.1	40.60
West Virginia	1,423	12,481	.69	.55	10.75	165.9	41.41
Boone	664	12,518	.71	.57	10.87	165.2	41.36
Kanawha	317	12,347	.65	.53	11.81	163.5	40.37
Logan	161	12,193	.70	.57	11.36	164.9	40.20
Mingo	280	12,713	.66	.52	8.92	170.6	43.38

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, 1998 (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 England Power Co Brayton							
Imported	472	12,579	0.64	0.51	6.82	157.0	39.51
Imported Coal	472	12,579	.64	.51	6.82	157.0	39.51
New England Power Co Salem Harbor	**547**	**12,543**	**.67**	**.53**	**6.41**	**164.7**	**41.31**
West Virginia	81	12,344	.72	.59	11.41	163.5	40.37
Boone	41	12,447	.74	.60	11.20	167.5	41.71
Logan	40	12,240	.70	.57	11.62	159.4	39.01
Imported	466	12,578	.66	.53	5.54	164.9	41.47
Imported Coal	466	12,578	.66	.53	5.54	164.9	41.47
New York State Elec & Gas Corp Goudey	**327**	**13,318**	**2.17**	**1.63**	**6.81**	**140.9**	**37.53**
Pennsylvania	17	13,355	1.27	.95	6.24	142.1	37.96
Washington	17	13,355	1.27	.95	6.24	142.1	37.96
West Virginia	310	13,316	2.22	1.67	6.84	140.8	37.51
Monongalia	310	13,316	2.22	1.67	6.84	140.8	37.51
New York State Elec & Gas Corp Greenidge	**356**	**13,150**	**1.50**	**1.14**	**7.23**	**139.6**	**36.70**
Pennsylvania	305	13,112	1.40	1.07	7.30	140.1	36.73
Greene	11	13,215	1.94	1.47	7.47	139.4	36.84
Washington	294	13,108	1.38	1.05	7.30	140.1	36.72
West Virginia	51	13,375	2.08	1.56	6.81	136.7	36.56
Monongalia	51	13,375	2.08	1.56	6.81	136.7	36.56
New York State Elec & Gas Corp Hickling	**210**	**10,396**	**.69**	**.66**	**22.73**	**124.7**	**25.92**
Pennsylvania	210	10,396	.69	.66	22.73	124.7	25.92
Butler	4	10,466	1.02	.97	14.01	130.6	27.33
Clearfield	2	9,610	1.09	1.13	20.63	119.0	22.88
Elk	4	10,064	.82	.81	13.95	128.4	25.85
Lycoming	200	10,410	.67	.65	23.13	124.5	25.93
New York State Elec & Gas Corp Jennison	**66**	**13,078**	**1.56**	**1.19**	**7.10**	**162.1**	**42.40**
Pennsylvania	66	13,078	1.56	1.19	7.10	162.1	42.40
Clarion	5	12,603	1.33	1.06	9.33	155.2	39.12
Greene	61	13,117	1.58	1.20	6.92	162.7	42.67
New York State Elec & Gas Corp Kintigh	**1,722**	**13,140**	**2.32**	**1.76**	**7.40**	**131.6**	**34.59**
Pennsylvania	329	13,076	1.70	1.30	6.96	132.8	34.72
Greene	329	13,076	1.70	1.30	6.96	132.8	34.72
West Virginia	1,393	13,155	2.46	1.87	7.51	131.4	34.56
Marion	255	13,200	1.85	1.40	7.21	132.6	35.01
Monongalia	1,138	13,145	2.60	1.98	7.58	131.1	34.46
New York State Elec & Gas Corp Milliken	**829**	**13,063**	**2.26**	**1.73**	**7.66**	**134.5**	**35.14**
Ohio	5	12,612	3.99	3.16	8.31	127.7	32.21
Belmont	5	12,612	3.99	3.16	8.31	127.7	32.21
Pennsylvania	314	13,019	1.57	1.20	7.40	133.8	34.84
Armstrong	6	11,456	4.18	3.65	19.80	143.9	32.97
Elk	4	11,066	2.06	1.86	15.30	131.4	29.08
Greene	74	12,977	1.63	1.25	6.75	132.0	34.27
Washington	231	13,105	1.47	1.12	7.16	134.2	35.17
West Virginia	510	13,095	2.68	2.04	7.82	135.0	35.34
Marion	24	13,232	1.75	1.32	7.02	137.0	36.26
Monongalia	486	13,088	2.72	2.08	7.86	134.9	35.30
Niagara-Mohawk Power Corp Dunkirk	**1,425**	**13,138**	**2.01**	**1.53**	**7.46**	**131.0**	**34.43**
Pennsylvania	918	13,119	1.89	1.44	7.41	130.1	34.15
Greene	918	13,119	1.89	1.44	7.41	130.1	34.15
West Virginia	506	13,171	2.22	1.69	7.55	132.7	34.95
Marion	295	13,177	1.98	1.50	7.47	132.6	34.95
Monongalia	211	13,163	2.57	1.95	7.66	132.8	34.95
Niagara-Mohawk Power Corp Huntley	**1,809**	**13,114**	**1.67**	**1.27**	**7.14**	**142.1**	**37.26**
Pennsylvania	1,490	13,084	1.62	1.24	7.09	141.9	37.14
Greene	1,355	13,108	1.60	1.22	6.93	142.8	37.43
Indiana	135	12,843	1.80	1.41	8.68	133.3	34.23

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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)
Niagara-Mohawk Power Corp Huntley							
West Virginia	318	13,254	1.90	1.44	7.39	142.7	37.83
Marion	308	13,254	1.91	1.44	7.42	142.7	37.82
Monongalia	11	13,266	1.72	1.30	6.58	143.3	38.02
Northern Indiana Pub Serv Co Bailly	**1,449**	**10,996**	**2.52**	**2.29**	**9.12**	**136.2**	**29.95**
Illinois	1,021	11,012	2.91	2.64	9.73	128.3	28.26
Macoupin	85	10,807	3.41	3.15	7.93	111.9	24.18
Montgomery	21	10,767	3.39	3.15	8.40	120.1	25.87
Perry	810	10,946	2.90	2.65	9.87	131.1	28.70
Randolph	11	11,174	3.15	2.82	9.10	120.0	26.82
Saline	94	11,797	2.42	2.05	10.46	122.1	28.81
Indiana	221	11,145	2.47	2.22	9.22	127.7	28.45
Daviess	31	11,303	2.51	2.22	8.53	128.5	29.06
Knox	29	11,407	3.71	3.25	8.15	152.3	34.74
Pike	15	11,062	2.78	2.52	10.07	120.0	26.55
Sullivan	146	11,068	2.18	1.97	9.49	123.2	27.27
Wyoming	206	10,761	.63	.59	5.99	185.6	39.95
Carbon	206	10,761	.63	.59	5.99	185.6	39.95
Northern Indiana Pub Serv Co Michigan City	**1,531**	**9,525**	**.60**	**.63**	**5.79**	**136.9**	**26.08**
Illinois	21	10,963	2.95	2.69	9.90	129.7	28.43
Perry	21	10,963	2.95	2.69	9.90	129.7	28.43
Indiana	65	11,273	3.40	3.02	8.89	126.9	28.60
Pike	47	11,348	3.83	3.38	8.59	128.2	29.10
Sullivan	17	11,068	2.24	2.02	9.70	123.0	27.24
Wyoming	1,444	9,425	.44	.47	5.59	137.5	25.93
Campbell	955	8,740	.35	.40	5.39	109.8	19.19
Carbon	489	10,765	.63	.59	5.97	181.6	39.10
Northern Indiana Pub Serv Co Mitchell	**1,138**	**9,243**	**.41**	**.45**	**5.46**	**140.5**	**25.97**
Wyoming	1,138	9,243	.41	.45	5.46	140.5	25.97
Campbell	780	8,735	.34	.39	5.34	119.1	20.80
Carbon	358	10,348	.56	.54	5.74	179.9	37.24
Northern Indiana Pub Serv Co Rollin Schahfer	**5,070**	**10,032**	**1.35**	**1.35**	**6.84**	**124.3**	**24.95**
Illinois	1,351	11,007	3.01	2.73	9.46	116.5	25.65
Montgomery	64	10,768	3.39	3.15	8.50	117.1	25.23
Perry	1,069	11,011	2.99	2.71	9.56	118.3	26.05
Randolph	206	11,025	3.04	2.76	9.17	106.9	23.56
Saline	11	11,611	2.37	2.04	11.50	123.1	28.59
Indiana	25	11,329	3.67	3.24	8.77	125.8	28.50
Clay	4	10,997	2.41	2.19	7.70	103.4	22.74
Pike	21	11,402	3.94	3.46	9.00	130.5	29.76
Ohio	26	12,702	4.05	3.19	8.35	117.9	29.95
Belmont	26	12,702	4.05	3.19	8.35	117.9	29.95
Pennsylvania	32	13,194	1.66	1.26	7.76	122.0	32.20
Greene	32	13,194	1.66	1.26	7.76	122.0	32.20
West Virginia	496	13,037	2.59	1.99	8.77	120.4	31.38
Monongalia	496	13,037	2.59	1.99	8.77	120.4	31.38
Wyoming	3,140	9,073	.40	.44	5.37	129.4	23.48
Campbell	2,542	8,673	.34	.40	5.25	113.1	19.61
Carbon	598	10,774	.63	.58	5.91	185.2	39.92
Northern States Power Co Bay Front	**70**	**12,236**	**.82**	**.67**	**5.91**	**167.8**	**41.07**
Kentucky	24	13,134	.78	.59	5.72	185.8	48.82
Letcher	24	13,134	.78	.59	5.72	185.8	48.82
West Virginia	7	13,272	2.11	1.59	7.70	172.5	45.78
Marion	7	13,272	2.11	1.59	7.70	172.5	45.78
Wyoming	38	11,451	.60	.53	5.68	153.4	35.12
Carbon	38	11,451	.60	.53	5.68	153.4	35.12
Northern States Power Co Black Dog	**966**	**8,815**	**.19**	**.21**	**4.38**	**98.7**	**17.39**
Wyoming	966	8,815	.19	.21	4.38	98.7	17.39
Campbell	966	8,815	.19	.21	4.38	98.7	17.39
Northern States Power Co High Bridge	**930**	**8,871**	**.19**	**.22**	**4.43**	**93.9**	**16.66**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 High Bridge							
Wyoming	930	8,871	0.19	0.22	4.43	93.9	16.66
Campbell	821	8,876	.19	.21	4.37	91.2	16.19
Converse	109	8,832	.24	.28	4.90	114.3	20.19
Northern States Power Co King	**1,291**	**8,845**	**.31**	**.35**	**5.72**	**103.6**	**18.33**
Montana	290	8,751	.64	.73	9.12	110.8	19.39
Big Horn	263	8,746	.63	.73	9.12	110.7	19.37
Wyoming	1,002	8,872	.22	.25	4.73	101.6	18.03
Campbell	513	8,914	.19	.21	4.26	95.5	17.02
Converse	488	8,828	.25	.28	5.23	108.1	19.09
Northern States Power Co Riverside	**1,440**	**8,874**	**.19**	**.21**	**4.40**	**90.8**	**16.12**
Wyoming	1,440	8,874	.19	.21	4.40	90.8	16.12
Campbell	1,356	8,879	.18	.21	4.39	91.0	16.16
Converse	84	8,789	.20	.23	4.60	88.0	15.47
Northern States Power Co Sherburne County	**8,709**	**8,765**	**.50**	**.57**	**7.18**	**107.5**	**18.84**
Montana	4,853	8,764	.64	.73	8.82	105.0	18.40
Big Horn	4,053	8,757	.62	.71	8.95	104.6	18.32
Rosebud	799	8,795	.73	.83	8.15	107.1	18.83
Wyoming	3,857	8,767	.33	.37	5.12	110.6	19.40
Campbell	3,693	8,763	.33	.38	5.13	109.9	19.26
Converse	163	8,859	.25	.28	4.88	127.0	22.50
Ohio Edison Co Burger	**713**	**12,505**	**2.75**	**2.20**	**10.34**	**97.0**	**24.26**
Ohio	386	12,303	3.55	2.88	10.63	92.0	22.63
Belmont	184	12,474	4.01	3.22	9.41	85.5	21.34
Harrison	202	12,147	3.12	2.57	11.74	98.0	23.80
Pennsylvania	210	13,251	2.08	1.57	7.41	101.4	26.88
Greene	146	13,204	2.20	1.67	7.79	104.2	27.53
Washington	63	13,398	1.81	1.35	6.54	95.5	25.58
Westmoreland	1	11,000	2.00	1.82	6.00	70.8	15.58
West Virginia	117	11,834	1.33	1.12	14.67	105.4	24.94
Boone	20	11,906	.80	.67	16.82	109.6	26.09
Kanawha	97	11,819	1.44	1.22	14.21	104.5	24.70
Ohio Edison Co Niles	**524**	**12,073**	**3.16**	**2.62**	**11.95**	**106.8**	**25.80**
Ohio	502	12,145	3.19	2.63	11.86	107.4	26.08
Columbiana	12	9,581	3.12	3.26	18.22	86.9	16.65
Harrison	468	12,252	3.18	2.59	11.56	108.6	26.62
Mahoning	4	10,261	3.79	3.69	20.54	74.4	15.26
Tuscarawas	18	11,510	3.50	3.04	13.43	90.8	20.90
Pennsylvania	22	10,419	2.47	2.37	13.96	92.9	19.37
Butler	22	10,419	2.47	2.37	13.96	92.9	19.37
Ohio Edison Co Sammis	**5,655**	**12,104**	**1.14**	**.95**	**13.26**	**117.5**	**28.44**
Kentucky	786	11,771	.90	.76	13.62	121.0	28.49
Johnson	93	9,220	1.47	1.60	30.15	73.0	13.46
Martin	693	12,112	.82	.68	11.41	125.9	30.51
Pennsylvania	1,688	13,221	1.85	1.40	7.42	110.9	29.33
Greene	1,094	13,212	2.10	1.59	7.76	111.9	29.57
Washington	589	13,250	1.40	1.05	6.78	109.2	28.95
Westmoreland	4	11,635	2.06	1.77	10.80	94.2	21.92
West Virginia	3,181	11,594	.83	.71	16.26	120.5	27.95
Boone	7	11,517	.89	.78	11.67	112.2	25.84
Fayette	6	10,239	.82	.80	25.40	79.0	16.18
Kanawha	1,954	11,616	.76	.66	15.98	124.5	28.91
Lincoln	35	11,402	1.10	.97	14.56	101.1	23.05
Mingo	764	11,124	.88	.79	18.83	114.6	25.50
Webster	415	12,393	1.00	.81	12.95	115.2	28.55
Ohio Power Co Gavin	**6,361**	**11,188**	**3.37**	**3.02**	**12.19**	**180.2**	**40.31**
Ohio	6,361	11,188	3.37	3.02	12.19	180.2	40.31
Belmont	245	11,653	2.38	2.05	13.49	115.3	26.87
Gallia	239	11,026	2.73	2.47	12.10	118.5	26.14
Jackson	239	11,026	2.73	2.47	12.10	118.5	26.14
Meigs	5,161	11,187	3.52	3.14	12.15	194.9	43.61
Vinton	477	11,122	2.98	2.68	12.06	116.0	25.80

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, 1998 (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	**1,677**	**12,263**	**3.45**	**2.81**	**10.50**	**86.4**	**21.19**
West Virginia	1,677	12,263	3.45	2.81	10.50	86.4	21.19
Marshall	1,676	12,263	3.45	2.81	10.50	86.4	21.19
Monongalia	1	12,111	2.61	2.16	14.40	102.3	24.78
Ohio Power Co Mitchell	**3,262**	**12,342**	**.79**	**.64**	**12.16**	**143.5**	**35.42**
Kentucky	32	12,229	.83	.68	10.74	114.1	27.92
Floyd	18	12,211	.80	.66	10.64	114.4	27.95
Pike	14	12,253	.87	.71	10.87	113.8	27.88
Pennsylvania	4	12,589	1.92	1.53	11.30	100.8	25.38
Greene	4	12,589	1.92	1.53	11.30	100.8	25.38
West Virginia	3,226	12,343	.78	.63	12.17	143.8	35.51
Boone	2,040	12,424	.76	.61	11.50	154.8	38.45
Clay	459	12,093	.86	.71	13.63	146.6	35.45
Logan	243	12,180	.65	.53	13.37	113.3	27.59
Webster	483	12,319	.87	.70	13.03	110.0	27.11
Ohio Power Co Muskingum	**2,957**	**11,790**	**2.91**	**2.47**	**12.48**	**221.2**	**52.16**
Ohio	1,760	11,500	4.42	3.84	12.61	282.3	64.94
Belmont	131	12,624	4.02	3.18	8.99	97.2	24.53
Muskingum	179	11,409	4.45	3.90	12.90	298.8	68.18
Noble	1,450	11,409	4.45	3.90	12.90	298.8	68.18
West Virginia	1,197	12,217	.69	.56	12.29	136.6	33.37
Boone	585	12,321	.70	.57	12.06	136.9	33.73
Logan	491	12,076	.61	.51	12.64	141.2	34.11
Webster	122	12,281	.92	.75	11.98	116.5	28.62
Ohio Valley Electric Corp Kyger Creek	**2,841**	**12,948**	**2.09**	**1.61**	**7.74**	**110.9**	**28.73**
Kentucky	491	13,167	1.41	1.07	6.16	129.9	34.21
Floyd	225	13,046	1.36	1.05	6.45	129.7	33.85
Letcher	266	13,270	1.45	1.09	5.91	130.0	34.51
Ohio	640	12,280	3.75	3.05	9.40	93.3	22.92
Belmont	552	12,486	3.97	3.18	9.12	92.2	23.03
Jackson	88	10,986	2.36	2.15	11.20	101.0	22.20
Pennsylvania	689	13,092	2.00	1.53	7.58	106.3	27.82
Greene	611	13,103	2.08	1.59	7.63	105.8	27.72
Washington	78	13,000	1.41	1.08	7.22	110.0	28.61
Virginia	586	13,668	.74	.54	5.74	125.5	34.30
Buchanan	586	13,668	.74	.54	5.74	125.5	34.30
West Virginia	435	12,486	2.35	1.88	10.03	100.3	25.04
Boone	33	12,896	.90	.70	7.69	115.4	29.76
Brooke	114	12,513	4.28	3.42	9.02	92.5	23.15
Kanawha	150	12,550	.83	.66	11.04	111.8	28.06
Logan	15	12,127	.67	.55	12.60	117.5	28.50
Marshall	107	12,338	3.37	2.73	10.12	82.4	20.34
Mingo	16	12,163	.69	.57	9.60	118.2	28.75
Oklahoma Gas & Electric Co Muskogee	**5,841**	**8,583**	**.27**	**.31**	**4.63**	**84.4**	**14.49**
Wyoming	5,841	8,583	.27	.31	4.63	84.4	14.49
Campbell	5,504	8,569	.27	.31	4.57	84.5	14.48
Converse	337	8,816	.25	.29	5.55	83.4	14.71
Oklahoma Gas & Electric Co Sooner	**4,041**	**8,698**	**.33**	**.38**	**5.29**	**79.2**	**13.77**
Wyoming	4,041	8,698	.33	.38	5.29	79.2	13.77
Campbell	3,186	8,680	.34	.40	5.28	78.9	13.69
Carbon	236	8,780	.33	.37	5.31	79.3	13.92
Converse	619	8,759	.29	.33	5.32	80.6	14.13
Omaha Public Power District Nebraska City	**2,380**	**8,580**	**.25**	**.29**	**4.78**	**68.2**	**11.71**
Wyoming	2,380	8,580	.25	.29	4.78	68.2	11.71
Campbell	2,380	8,580	.25	.29	4.78	68.2	11.71
Omaha Public Power District North Omaha	**2,118**	**8,385**	**.30**	**.36**	**5.17**	**71.1**	**11.92**
Wyoming	2,118	8,385	.30	.36	5.17	71.1	11.92
Campbell	2,118	8,385	.30	.36	5.17	71.1	11.92
Orange and Rockland Utils Inc Lovett	**684**	**12,965**	**.64**	**.50**	**8.00**	**185.2**	**48.03**

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, 1998 (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)
Orange and Rockland Utils Inc Lovett							
Kentucky	622	12,921	0.64	0.50	8.14	186.4	48.18
Perry	10	13,469	.73	.54	5.70	174.3	46.95
Pike	612	12,912	.64	.50	8.18	186.6	48.20
West Virginia	62	13,406	.68	.51	6.56	173.7	46.57
Boone	25	13,245	.69	.52	8.09	175.6	46.52
Logan	27	13,524	.67	.50	5.44	171.2	46.29
Nicholas	10	13,492	.71	.53	5.80	175.8	47.44
Orlando Utilities Comm Stanton Energy	**2,396**	**12,809**	**1.08**	**.84**	**8.19**	**173.0**	**44.31**
Kentucky	2,396	12,809	1.08	.84	8.19	173.0	44.31
Bell	88	12,818	.97	.76	7.01	162.7	41.71
Harlan	363	12,684	1.05	.83	8.85	166.1	42.15
Letcher	921	12,871	1.09	.85	7.84	173.4	44.64
Perry	547	12,706	.87	.68	8.42	186.0	47.28
Pike	477	12,900	1.34	1.04	8.34	164.3	42.39
Otter Tail Power Co Big Stone	**1,699**	**8,728**	**.72**	**.82**	**9.12**	**92.7**	**16.19**
Montana	1,699	8,728	.72	.82	9.12	92.7	16.19
Big Horn	1,699	8,728	.72	.82	9.12	92.7	16.19
Otter Tail Power Co Hoot Lake	**388**	**9,288**	**.37**	**.40**	**4.42**	**123.7**	**22.98**
Montana	388	9,288	.37	.40	4.42	123.7	22.98
Big Horn	388	9,288	.37	.40	4.42	123.7	22.98
Owensboro City of Smith	**1,321**	**10,819**	**3.12**	**2.89**	**12.47**	**96.2**	**20.81**
Indiana	525	10,970	3.41	3.11	10.81	97.1	21.31
Gibson	269	11,128	3.86	3.47	10.75	95.5	21.25
Pike	209	10,835	2.97	2.74	10.81	99.0	21.45
Warrick	47	10,665	2.77	2.60	11.10	98.5	21.01
Kentucky	796	10,720	2.94	2.74	13.56	95.5	20.48
Daviess	155	10,561	2.99	2.84	12.86	94.5	19.96
Hancock	1	11,997	3.56	2.97	6.50	62.5	15.00
Henderson	280	11,050	2.71	2.45	8.96	99.8	22.05
Mclean	235	10,107	2.73	2.70	18.55	89.7	18.14
Muhlenberg	4	9,924	2.74	2.76	14.84	90.6	17.98
Webster	121	11,373	3.79	3.33	15.39	97.5	22.18
PacifiCorp Carbon	**592**	**12,041**	**.47**	**.39**	**9.56**	**62.7**	**15.09**
Utah	592	12,041	.47	.39	9.56	62.7	15.09
Emery	592	12,041	.47	.39	9.56	62.7	15.09
PacifiCorp Centralia	**6,105**	**8,215**	**.59**	**.72**	**12.13**	**148.7**	**24.43**
Montana	1,482	9,356	.34	.37	4.19	121.1	22.67
Big Horn	1,482	9,356	.34	.37	4.19	121.1	22.67
Washington	4,623	7,849	.67	.85	14.68	159.3	25.00
Lewis	4,325	7,852	.66	.84	14.62	159.9	25.10
Thurston	298	7,800	.72	.93	15.58	150.6	23.50
PacifiCorp Emery-Hunter	**4,313**	**11,157**	**.43**	**.39**	**12.30**	**94.3**	**21.04**
Utah	4,313	11,157	.43	.39	12.30	94.3	21.04
Emery	4,313	11,157	.43	.39	12.30	94.3	21.04
PacifiCorp Huntington	**2,808**	**11,328**	**.43**	**.38**	**12.37**	**75.4**	**17.08**
Utah	2,808	11,328	.43	.38	12.37	75.4	17.08
Emery	2,808	11,328	.43	.38	12.37	75.4	17.08
PacifiCorp Jim Bridger	**8,798**	**9,405**	**.58**	**.61**	**10.25**	**104.4**	**19.64**
Wyoming	8,798	9,405	.58	.61	10.25	104.4	19.64
Sweetwater	8,798	9,405	.58	.61	10.25	104.4	19.64
PacifiCorp Johnston	**4,034**	**7,861**	**.47**	**.59**	**8.75**	**57.4**	**9.02**
Wyoming	4,034	7,861	.47	.59	8.75	57.4	9.02
Campbell	436	8,009	.46	.57	7.94	51.1	8.19
Converse	3,598	7,843	.47	.60	8.85	58.2	9.13
PacifiCorp Naughton	**2,712**	**10,062**	**.80**	**.79**	**4.71**	**113.6**	**22.87**

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, 1998 (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 Naughton							
Wyoming	2,712	10,062	0.80	0.79	4.71	113.6	22.87
Lincoln	2,712	10,062	.80	.79	4.71	113.6	22.87
PacifiCorp Wyodak	**2,122**	**8,052**	**.63**	**.79**	**6.64**	**72.8**	**11.72**
Wyoming	2,122	8,052	.63	.79	6.64	72.8	11.72
Campbell	2,122	8,052	.63	.79	6.64	72.8	11.72
Painesville City of Painesville	**94**	**12,521**	**2.43**	**1.94**	**7.89**	**135.7**	**33.97**
Ohio	94	12,521	2.43	1.94	7.89	135.7	33.97
Columbiana	94	12,521	2.43	1.94	7.89	135.7	33.97
Pennsylvania Electric Co Conemaugh	**5,187**	**12,628**	**2.30**	**1.82**	**11.89**	**107.7**	**27.19**
Pennsylvania	4,659	12,607	2.28	1.81	12.11	107.5	27.11
Armstrong	346	12,358	2.27	1.84	12.86	106.6	26.35
Butler	25	12,297	2.35	1.91	14.10	105.9	26.04
Cambria	150	12,344	2.32	1.88	13.12	104.1	25.70
Clearfield	228	12,265	2.30	1.88	14.38	107.8	26.44
Greene	1,218	13,135	2.05	1.56	7.53	105.4	27.70
Indiana	582	12,408	2.37	1.91	13.71	106.7	26.47
Somerset	1,787	12,461	2.35	1.89	13.98	110.2	27.46
Westmoreland	318	12,437	2.53	2.04	13.13	104.8	26.07
Unknown[2]	5	12,563	2.45	1.95	13.48	111.9	28.11
West Virginia	528	12,810	2.46	1.92	9.90	109.0	27.92
Monongalia	528	12,810	2.46	1.92	9.90	109.0	27.92
Pennsylvania Electric Co Homer City	**6,383**	**11,381**	**2.19**	**1.93**	**19.15**	**119.4**	**27.17**
Pennsylvania	6,383	11,381	2.19	1.93	19.15	119.4	27.17
Armstrong	722	11,021	3.77	3.42	22.81	94.9	20.93
Butler	28	10,514	3.14	2.99	23.99	78.2	16.45
Cambria	137	11,161	3.07	2.76	21.73	95.2	21.26
Clearfield	2	12,104	1.07	.88	12.00	123.6	29.92
Fayette	142	10,550	3.49	3.31	23.54	90.9	19.19
Greene	10	12,102	.87	.72	9.79	121.3	29.37
Indiana	3,963	11,514	1.54	1.33	17.84	130.6	30.07
Jefferson	155	12,159	.68	.56	11.28	149.1	36.26
Somerset	1,216	11,197	3.33	2.98	21.43	98.9	22.14
Westmoreland	7	11,310	2.92	2.58	19.51	92.4	20.90
Pennsylvania Electric Co Keystone	**5,152**	**12,408**	**1.74**	**1.40**	**13.06**	**129.3**	**32.10**
Pennsylvania	4,941	12,364	1.72	1.39	13.33	130.2	32.20
Armstrong	3,237	12,355	1.76	1.42	13.42	127.9	31.60
Clarion	7	12,292	2.08	1.69	10.59	105.2	25.86
Greene	90	12,922	1.61	1.25	8.01	99.5	25.71
Indiana	1,244	12,331	1.53	1.24	13.67	145.7	35.94
Jefferson	10	12,081	2.08	1.73	13.10	104.4	25.22
Westmoreland	341	12,429	2.07	1.67	12.75	105.4	26.20
Unknown[2]	12	12,353	1.44	1.16	13.26	136.0	33.61
West Virginia	211	13,436	2.24	1.67	6.71	110.6	29.72
Monongalia	211	13,436	2.24	1.67	6.71	110.6	29.72
Pennsylvania Electric Co Seward	**519**	**12,134**	**1.55**	**1.28**	**14.08**	**111.5**	**27.07**
Pennsylvania	519	12,134	1.55	1.28	14.08	111.5	27.07
Fayette	25	12,120	1.46	1.20	12.99	119.2	28.90
Indiana	14	11,798	1.54	1.30	14.00	109.0	25.72
Somerset	470	12,142	1.56	1.28	14.19	111.0	26.96
Westmoreland	10	12,239	1.56	1.27	11.70	121.3	29.69
Pennsylvania Electric Co Shawville	**1,681**	**12,260**	**1.78**	**1.45**	**13.74**	**113.8**	**27.92**
Pennsylvania	1,681	12,260	1.78	1.45	13.74	113.8	27.92
Clearfield	1,663	12,256	1.78	1.45	13.76	113.8	27.89
Somerset	18	12,651	1.74	1.37	11.85	121.4	30.71
Pennsylvania Electric Co Warren	**169**	**12,307**	**1.74**	**1.41**	**12.66**	**122.2**	**30.08**
Pennsylvania	169	12,307	1.74	1.41	12.66	122.2	30.08
Armstrong	8	12,131	1.90	1.56	13.36	119.7	29.05
Jefferson	159	12,316	1.73	1.40	12.65	122.2	30.11
Somerset	3	12,224	1.90	1.55	11.30	128.3	31.37

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, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Power & Light Co Brunner Island	**3,146**	**13,053**	**1.68**	**1.29**	**8.41**	**151.5**	**39.55**
Pennsylvania	3,022	13,067	1.71	1.31	8.31	151.7	39.65
Cambria	30	12,761	1.79	1.40	11.26	144.5	36.89
Clearfield	40	12,432	1.38	1.11	15.10	138.7	34.50
Greene	2,581	13,128	1.69	1.29	7.69	152.7	40.09
Indiana	256	12,703	2.07	1.63	11.93	150.9	38.35
Jefferson	32	12,660	1.34	1.06	12.22	146.0	36.96
Somerset	50	12,652	1.53	1.21	12.67	145.8	36.91
Washington	20	13,151	1.39	1.06	7.50	123.7	32.54
Unknown[2]	13	13,200	.58	.44	6.60	101.7	26.85
West Virginia	124	12,711	1.06	.83	10.80	146.3	37.20
Clay	20	12,543	.81	.65	12.65	156.0	39.15
Mingo	10	12,336	1.21	.98	10.10	156.2	38.54
Upshur	31	13,118	1.34	1.02	8.74	140.0	36.74
Webster	53	12,661	.97	.77	11.63	141.0	35.71
Unknown[2]	10	12,426	.95	.76	9.80	166.2	41.30
Pennsylvania Power & Light Co Holtwood	**175**	**8,535**	**.74**	**.86**	**33.22**	**119.9**	**20.47**
Maryland	32	10,751	1.07	.99	23.19	131.4	28.24
Allegany	30	10,762	1.07	1.00	23.20	130.9	28.18
Garrett	1	10,485	.95	.91	25.60	145.1	30.43
Unknown[2]	1	10,690	1.03	.96	20.30	130.3	27.86
Pennsylvania	143	8,039	.66	.82	35.47	116.5	18.73
Northumberland	6	10,760	.69	.64	16.37	160.6	34.56
Schuylkill	107	7,246	.57	.79	39.14	110.1	15.95
Somerset	22	10,874	1.12	1.03	24.86	133.8	29.10
Sullivan	2	10,719	.57	.54	18.60	144.2	30.91
Unknown[2]	6	8,178	.56	.68	33.60	63.2	10.34
Pennsylvania Power & Light Co Martins Creek	**503**	**13,172**	**1.79**	**1.36**	**7.65**	**134.1**	**35.33**
Pennsylvania	503	13,172	1.79	1.36	7.65	134.1	35.33
Cambria	11	12,666	1.81	1.43	11.90	107.4	27.21
Clearfield	9	13,288	.69	.52	5.60	91.2	24.24
Greene	483	13,181	1.82	1.38	7.59	135.5	35.72
Pennsylvania Power & Light Co Montour	**3,397**	**12,664**	**1.92**	**1.52**	**12.43**	**142.7**	**36.15**
Pennsylvania	3,379	12,660	1.92	1.52	12.46	142.8	36.15
Cambria	595	12,554	2.02	1.61	12.79	145.1	36.45
Clarion	29	12,670	1.56	1.23	9.56	139.4	35.32
Clearfield	1,117	12,560	1.91	1.52	13.64	142.0	35.66
Greene	407	13,149	1.67	1.27	7.74	144.9	38.09
Indiana	636	12,617	2.01	1.59	13.00	143.7	36.26
Jefferson	230	12,597	2.03	1.61	13.46	142.3	35.85
Somerset	282	12,576	2.03	1.62	13.62	141.1	35.48
Washington	83	13,141	1.39	1.05	7.43	127.1	33.42
West Virginia	18	13,441	1.43	1.06	7.10	139.2	37.42
Monongalia	18	13,441	1.43	1.06	7.10	139.2	37.42
Pennsylvania Power & Light Co Sunbury	**1,054**	**10,446**	**1.14**	**1.09**	**22.98**	**125.7**	**26.26**
Pennsylvania	1,054	10,446	1.14	1.09	22.98	125.7	26.26
Centre	18	12,757	1.17	.92	11.83	133.4	34.05
Clarion	30	12,760	1.44	1.13	9.26	131.2	33.48
Clearfield	473	12,230	1.58	1.29	14.30	145.2	35.52
Elk	48	12,443	1.57	1.26	12.03	134.2	33.41
Jefferson	32	12,380	1.63	1.32	12.60	133.3	33.00
Lycoming	58	11,143	.68	.61	21.30	123.4	27.50
Schuylkill	362	7,372	.54	.73	38.18	84.3	12.44
Sullivan	26	8,616	.53	.61	30.99	70.5	12.15
Unknown[2]	7	11,451	1.38	1.20	17.87	119.2	27.30
Pennsylvania Power Co New Castle	**747**	**11,930**	**1.66**	**1.39**	**13.02**	**118.5**	**28.27**
Pennsylvania	747	11,930	1.66	1.39	13.02	118.5	28.27
Beaver	747	11,930	1.66	1.39	13.02	118.5	28.27
Pennsylvania Power Co Bruce Mansfield	**6,187**	**12,021**	**3.65**	**3.04**	**12.97**	**167.1**	**40.16**

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, 1998 (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 Bruce Mansfield							
Ohio	212	12,016	3.66	3.05	12.95	165.3	39.73
Carroll	105	12,003	3.64	3.03	12.94	167.2	40.13
Monroe	29	12,087	3.79	3.14	12.53	161.8	39.12
Tuscarawas	77	12,006	3.64	3.03	13.13	164.1	39.41
Pennsylvania	561	12,012	3.65	3.03	13.04	167.4	40.21
Butler	45	11,873	3.51	2.96	13.80	166.1	39.44
Fayette	196	12,001	3.62	3.02	13.03	170.6	40.94
Greene	15	12,045	3.44	2.85	13.44	159.0	38.30
Washington	305	12,037	3.69	3.07	12.91	165.9	39.94
West Virginia	5,414	12,022	3.65	3.04	12.96	167.1	40.17
Kanawha	17	11,939	3.36	2.82	13.04	177.2	42.32
Marion	5	12,068	3.64	3.02	12.70	170.4	41.13
Marshall	5,312	12,022	3.65	3.04	12.96	167.1	40.17
Mingo	30	12,023	3.58	2.98	12.63	171.3	41.19
Monongalia	50	11,997	3.56	2.97	13.63	162.5	38.99
Philadelphia Electric Co Cromby	**296**	**13,163**	**1.72**	**1.31**	**7.75**	**143.1**	**37.68**
Pennsylvania	296	13,163	1.72	1.31	7.75	143.1	37.68
Greene	155	13,171	1.90	1.44	8.02	144.1	37.95
Washington	141	13,154	1.53	1.17	7.46	142.1	37.37
Philadelphia Electric Co Eddystone	**978**	**13,191**	**1.70**	**1.29**	**7.74**	**144.8**	**38.19**
Pennsylvania	978	13,191	1.70	1.29	7.74	144.8	38.19
Greene	540	13,168	1.89	1.43	8.01	146.2	38.50
Washington	438	13,219	1.47	1.11	7.41	143.0	37.80
Plains Elec Gen&Trans Coop Inc Escalante	**767**	**9,264**	**.83**	**.89**	**17.15**	**139.0**	**25.75**
New Mexico	767	9,264	.83	.89	17.15	139.0	25.75
Mckinley	767	9,264	.83	.89	17.15	139.0	25.75
Platte River Power Authority Rawhide	**1,050**	**8,799**	**.26**	**.29**	**5.37**	**59.4**	**10.45**
Wyoming	1,050	8,799	.26	.29	5.37	59.4	10.45
Campbell	55	8,445	.33	.39	4.95	53.6	9.05
Converse	994	8,818	.25	.29	5.39	59.7	10.52
Portland General Electric Co Boardman	**2,014**	**8,685**	**.32**	**.37**	**5.19**	**108.9**	**18.92**
Wyoming	2,014	8,685	.32	.37	5.19	108.9	18.92
Campbell	1,685	8,665	.32	.37	5.18	108.9	18.88
Converse	329	8,788	.30	.34	5.26	108.8	19.12
Potomac Edison Co Smith	**160**	**12,229**	**.92**	**.76**	**13.31**	**131.0**	**32.03**
Maryland	34	12,213	.96	.79	11.73	124.3	30.36
Allegany	34	12,213	.96	.79	11.73	124.3	30.36
Pennsylvania	126	12,233	.92	.75	13.74	132.8	32.48
Somerset	126	12,233	.92	.75	13.74	132.8	32.48
Potomac Electric Power Co Chalk	**1,497**	**13,109**	**1.38**	**1.05**	**8.71**	**165.7**	**43.44**
Maryland	419	13,144	1.52	1.15	9.22	181.3	47.67
Garrett	419	13,144	1.52	1.15	9.22	181.3	47.67
Pennsylvania	696	12,958	1.42	1.10	8.80	154.9	40.13
Cambria	78	12,852	1.61	1.25	8.89	150.1	38.58
Clearfield	26	12,965	1.67	1.29	9.87	166.0	43.04
Greene	251	12,975	1.53	1.18	6.98	145.1	37.64
Somerset	304	12,946	1.27	.98	10.42	164.2	42.52
Washington	37	13,157	1.43	1.09	6.88	146.8	38.63
West Virginia	382	13,346	1.16	.87	8.00	167.9	44.83
Barbour	235	13,598	1.04	.76	7.38	161.1	43.81
Kanawha	31	12,179	.70	.57	11.60	187.2	45.60
Preston	108	13,113	1.57	1.20	8.36	180.2	47.25
Upshur	8	13,631	1.04	.76	7.40	143.7	39.18
Potomac Electric Power Co Dickerson	**1,358**	**13,013**	**1.44**	**1.10**	**8.70**	**136.7**	**35.58**
Maryland	42	13,266	1.56	1.18	8.65	130.1	34.51
Garrett	42	13,266	1.56	1.18	8.65	130.1	34.51

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, 1998 (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 Dickerson							
West Virginia	1,316	13,004	1.43	1.10	8.70	136.9	35.62
Barbour	447	13,059	1.45	1.11	8.20	134.7	35.19
Braxton	30	13,321	1.47	1.10	8.60	135.3	36.05
Preston	681	12,977	1.45	1.12	9.05	139.2	36.13
Upshur	135	12,983	1.34	1.03	8.28	132.3	34.34
Webster	23	12,451	1.09	.88	10.67	143.7	35.79
Potomac Electric Power Co Morgantown	**2,772**	**13,042**	**1.48**	**1.14**	**7.42**	**150.4**	**39.23**
Maryland	183	13,007	1.51	1.16	8.81	184.4	47.97
Garrett	183	13,007	1.51	1.16	8.81	184.4	47.97
Pennsylvania	2,427	13,042	1.48	1.14	7.25	146.0	38.08
Cambria	43	12,733	1.40	1.10	9.53	150.6	38.35
Clearfield	56	13,010	1.68	1.29	10.02	165.4	43.04
Greene	1,479	12,992	1.53	1.18	6.93	145.6	37.83
Somerset	173	13,125	1.26	.96	9.64	165.0	43.30
Washington	676	13,154	1.42	1.08	6.98	140.1	36.86
West Virginia	162	13,083	1.46	1.11	8.33	177.9	46.56
Barbour	31	13,098	1.43	1.10	7.93	169.7	44.45
Preston	131	13,079	1.46	1.12	8.43	179.9	47.06
Potomac Electric Power Co Potomac River	**949**	**12,862**	**.80**	**.62**	**8.12**	**155.1**	**39.89**
Kentucky	170	12,900	.79	.61	8.19	153.9	39.70
Pike	170	12,900	.79	.61	8.19	153.9	39.70
Virginia	27	13,373	.88	.66	7.17	154.4	41.30
Buchanan	6	13,617	.77	.57	4.80	155.5	42.35
Wise	21	13,303	.91	.68	7.85	154.1	41.00
West Virginia	752	12,835	.80	.62	8.14	155.4	39.88
Fayette	16	12,994	.65	.50	7.00	160.8	41.80
Mingo	653	12,814	.80	.62	8.18	155.4	39.81
Wyoming	83	12,973	.79	.61	8.07	154.4	40.07
PSI Energy Inc Cayuga	**2,657**	**10,900**	**1.55**	**1.42**	**9.40**	**117.8**	**25.68**
Illinois	171	10,899	1.46	1.34	8.28	110.2	24.03
Vermilion	158	10,870	1.47	1.35	8.29	109.7	23.84
White	13	11,245	1.43	1.27	8.20	116.9	26.29
Indiana	2,485	10,901	1.56	1.43	9.48	118.3	25.80
Daviess	327	11,167	.91	.82	7.59	117.4	26.23
Greene	1,918	10,888	1.78	1.64	9.85	119.1	25.93
Knox	191	11,129	.51	.46	7.25	121.4	27.02
Vigo	49	8,722	1.21	1.38	16.30	73.6	12.85
PSI Energy Inc Edwardsport	**244**	**11,144**	**1.86**	**1.67**	**8.49**	**97.8**	**21.79**
Indiana	244	11,144	1.86	1.67	8.49	97.8	21.79
Daviess	83	11,295	1.99	1.76	7.89	102.7	23.19
Greene	32	10,968	1.62	1.48	9.09	90.6	19.88
Knox	87	11,069	2.06	1.86	9.27	96.9	21.45
Owen	42	11,141	1.39	1.25	7.58	95.1	21.19
PSI Energy Inc Gallagher	**1,206**	**13,105**	**2.10**	**1.60**	**7.23**	**106.6**	**27.95**
Illinois	38	11,958	.80	.67	5.15	125.5	30.01
Jefferson	38	11,958	.80	.67	5.15	125.5	30.01
Indiana	18	11,020	1.39	1.26	9.49	109.5	24.14
Greene	17	10,985	1.30	1.18	9.63	110.9	24.36
Vigo	2	11,343	2.20	1.94	8.20	97.7	22.16
Kentucky	3	11,461	1.15	1.00	13.50	114.7	26.29
Knott	3	11,461	1.15	1.00	13.50	114.7	26.29
Pennsylvania	636	13,109	2.08	1.58	7.57	105.9	27.76
Greene	636	13,109	2.08	1.58	7.57	105.9	27.76
West Virginia	510	13,273	2.25	1.69	6.84	106.1	28.17
Kanawha	2	12,647	.92	.73	12.40	106.4	26.91
Monongalia	504	13,286	2.26	1.70	6.77	106.2	28.23
Raleigh	4	11,945	.85	.71	12.30	87.7	20.95
PSI Energy Inc Gibson Station	**9,474**	**11,004**	**1.89**	**1.72**	**9.08**	**109.6**	**24.12**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Gibson Station							
Illinois	1,389	11,031	1.43	1.30	10.60	110.7	24.42
Wabash	1,389	11,031	1.43	1.30	10.60	110.7	24.42
Indiana	8,086	11,000	1.97	1.79	8.82	109.4	24.07
Daviess	138	11,156	1.28	1.15	7.76	122.6	27.35
Gibson	5,430	11,093	2.33	2.10	8.82	100.9	22.39
Knox	329	11,048	1.33	1.21	8.59	115.5	25.51
Pike	6	9,894	2.17	2.19	17.20	64.3	12.72
Sullivan	150	10,791	1.25	1.16	8.58	133.9	28.90
Vigo	2,033	10,750	1.22	1.13	8.91	129.2	27.78
PSI Energy Inc Noblesville	**193**	**11,178**	**2.32**	**2.08**	**8.99**	**113.7**	**25.42**
Indiana	193	11,178	2.32	2.08	8.99	113.7	25.42
Clay	2	10,874	1.79	1.65	7.40	134.9	29.34
Daviess	14	11,223	2.56	2.28	8.97	113.7	25.52
Greene	66	11,163	2.23	1.99	9.68	113.8	25.42
Knox	29	11,044	2.32	2.10	9.89	121.5	26.83
Owen	19	11,032	2.44	2.22	8.45	110.0	24.26
Parke	46	11,364	2.47	2.17	7.98	111.8	25.41
Vigo	2	8,922	1.12	1.25	13.59	88.8	15.85
Unknown[2]	13	11,480	2.13	1.86	7.40	107.6	24.70
PSI Energy Inc Wabash River	**2,556**	**10,814**	**1.77**	**1.64**	**9.68**	**105.7**	**22.87**
Indiana	2,556	10,814	1.77	1.64	9.68	105.7	22.87
Clay	176	10,999	1.67	1.52	7.62	113.3	24.92
Greene	1,750	10,853	1.97	1.81	10.13	105.8	22.97
Knox	*	11,063	2.21	2.00	10.20	102.0	22.57
Owen	138	11,056	1.68	1.52	7.45	105.6	23.36
Sullivan	40	10,680	1.21	1.13	9.00	93.4	19.95
Vigo	453	10,533	1.12	1.06	9.49	103.4	21.78
Public Service Co of Colorado Arapahoe	**716**	**8,731**	**.27**	**.31**	**5.47**	**82.9**	**14.47**
Colorado	7	11,432	.46	.40	9.25	110.3	25.22
Routt	7	11,432	.46	.40	9.25	110.3	25.22
Wyoming	709	8,704	.27	.31	5.43	82.5	14.36
Campbell	183	8,494	.33	.39	5.35	82.9	14.08
Converse	526	8,776	.25	.28	5.46	82.4	14.46
Public Service Co of Colorado Cameo	**271**	**10,829**	**.55**	**.51**	**15.90**	**96.9**	**20.98**
Colorado	271	10,829	.55	.51	15.90	96.9	20.98
Mesa	271	10,829	.55	.51	15.90	96.9	20.98
Public Service Co of Colorado Cherokee	**2,251**	**11,402**	**.47**	**.41**	**9.15**	**94.5**	**21.54**
Colorado	2,251	11,402	.47	.41	9.15	94.5	21.54
Mesa	20	11,386	.57	.50	11.95	94.6	21.54
Moffat	66	10,406	.39	.37	5.98	89.4	18.61
Routt	2,165	11,432	.47	.41	9.22	94.6	21.63
Public Service Co of Colorado Comanche	**2,934**	**8,563**	**.27**	**.32**	**4.42**	**90.5**	**15.50**
Wyoming	2,934	8,563	.27	.32	4.42	90.5	15.50
Campbell	2,934	8,563	.27	.32	4.42	90.5	15.50
Public Service Co of Colorado Hayden	**1,622**	**10,584**	**.42**	**.40**	**7.72**	**96.4**	**20.40**
Colorado	1,622	10,584	.42	.40	7.72	96.4	20.40
Routt	1,622	10,584	.42	.40	7.72	96.4	20.40
Public Service Co of Colorado Pawnee	**2,168**	**8,370**	**.37**	**.44**	**4.63**	**86.0**	**14.40**
Wyoming	2,168	8,370	.37	.44	4.63	86.0	14.40
Campbell	2,168	8,370	.37	.44	4.63	86.0	14.40
Public Service Co of Colorado Valmont	**599**	**11,286**	**.47**	**.42**	**9.32**	**109.7**	**24.77**
Colorado	599	11,286	.47	.42	9.32	109.7	24.77
Mesa	58	11,477	.55	.48	11.44	115.0	26.39
Moffat	11	10,651	.39	.37	5.08	103.7	22.09
Routt	529	11,278	.46	.41	9.18	109.3	24.65
Public Service Co of NH Merrimack	**1,028**	**13,203**	**1.67**	**1.27**	**7.07**	**165.0**	**43.57**

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, 1998 (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 NH Merrimack							
Pennsylvania	799	13,178	1.49	1.13	7.06	166.3	43.82
Greene	404	13,170	1.57	1.19	7.00	167.6	44.15
Washington	386	13,186	1.40	1.06	7.11	164.9	43.48
Westmoreland	10	13,210	1.39	1.05	7.20	164.9	43.58
West Virginia	229	13,289	2.32	1.75	7.10	160.6	42.68
Barbour	79	13,218	2.19	1.66	7.57	161.5	42.70
Monongalia	149	13,327	2.39	1.79	6.85	160.1	42.67
Public Service Co of NH Schiller	**381**	**12,943**	**.68**	**.53**	**5.75**	**150.8**	**39.05**
Pennsylvania	15	13,018	1.40	1.08	6.90	159.8	41.60
Greene	15	13,018	1.40	1.08	6.90	159.8	41.60
Imported	366	12,940	.65	.50	5.70	150.5	38.95
Imported Coal	366	12,940	.65	.50	5.70	150.5	38.95
Public Service Co of NM San Juan	**6,780**	**9,271**	**.84**	**.91**	**25.02**	**164.4**	**30.48**
New Mexico	6,780	9,271	.84	.91	25.02	164.4	30.48
San Juan	6,780	9,271	.84	.91	25.02	164.4	30.48
Public Service Co of Oklahoma Northeastern	**4,266**	**8,796**	**.20**	**.23**	**4.40**	**110.5**	**19.45**
Wyoming	4,266	8,796	.20	.23	4.40	110.5	19.45
Campbell	4,266	8,796	.20	.23	4.40	110.5	19.45
Public Service Electric&Gas Co Hudson	**639**	**12,528**	**.85**	**.68**	**11.31**	**143.0**	**35.84**
Kentucky	110	12,933	.75	.58	7.53	151.5	39.18
Pike	110	12,933	.75	.58	7.53	151.5	39.18
West Virginia	529	12,444	.88	.70	12.10	141.2	35.14
Boone	60	12,699	.74	.58	10.17	146.0	37.08
Logan	7	13,320	.87	.65	7.00	139.4	37.14
Webster	406	12,324	.92	.74	13.12	139.7	34.44
Wyoming	57	12,925	.73	.56	7.44	146.5	37.87
Public Service Electric&Gas Co Mercer	**971**	**13,720**	**.72**	**.52**	**6.11**	**151.0**	**41.44**
Virginia	760	13,969	.73	.52	5.15	153.8	42.97
Buchanan	737	13,981	.73	.52	5.09	154.1	43.08
West Virginia	172	12,785	.70	.54	10.48	136.6	34.94
Mcdowell	55	12,101	.64	.53	13.90	131.8	31.90
Wyoming	108	13,229	.72	.55	8.71	139.5	36.91
Unknown[2]	8	11,531	.67	.58	10.60	126.9	29.27
Imported	39	12,998	.68	.52	5.50	155.3	40.37
Imported Coal	39	12,998	.68	.52	5.50	155.3	40.37
Richmond City of Whitewater	**279**	**11,624**	**2.47**	**2.13**	**9.54**	**132.3**	**30.77**
Indiana	142	11,183	2.50	2.23	9.57	135.0	30.20
Clay	2	10,956	2.91	2.66	11.15	135.5	29.69
Daviess	96	11,132	2.53	2.27	9.22	135.6	30.18
Greene	44	11,304	2.42	2.14	10.28	133.8	30.26
Kentucky	28	11,787	2.24	1.90	11.02	136.1	32.09
Breathitt	9	10,830	1.94	1.79	14.39	140.4	30.40
Knott	13	12,384	2.44	1.97	10.01	136.0	33.68
Unknown[2]	6	11,882	2.24	1.89	8.19	130.4	30.99
Ohio	55	12,164	2.53	2.08	7.32	128.8	31.34
Unknown[2]	55	12,164	2.53	2.08	7.32	128.8	31.34
West Virginia	53	12,151	2.46	2.03	11.02	127.6	31.00
Fayette	11	12,189	2.27	1.86	11.84	129.7	31.61
Kanawha	10	11,536	2.10	1.82	13.40	135.3	31.22
Marshall	33	12,320	2.63	2.14	10.04	124.7	30.74
Rochester Gas & Electric Corp Beebee 3	**24**	**12,615**	**1.87**	**1.48**	**10.07**	**154.7**	**39.03**
Pennsylvania	24	12,615	1.87	1.48	10.07	154.7	39.03
Westmoreland	24	12,615	1.87	1.48	10.07	154.7	39.03
Rochester Gas & Electric Corp Russell 7	**759**	**13,295**	**2.22**	**1.67**	**7.20**	**144.2**	**38.35**
West Virginia	759	13,295	2.22	1.67	7.20	144.2	38.35
Marion	191	13,230	2.06	1.56	7.51	147.4	38.99
Monongalia	567	13,317	2.28	1.71	7.09	143.2	38.14
Rochester Public Utilities Silver Lake	**112**	**11,281**	**1.31**	**1.16**	**8.22**	**154.3**	**34.80**

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, 1998 (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)
Rochester Public Utilities Silver Lake							
Illinois	42	11,953	1.38	1.16	6.84	161.0	38.50
Saline	42	11,953	1.38	1.16	6.84	161.0	38.50
Indiana	69	10,861	1.26	1.16	9.07	149.7	32.52
Sullivan	69	10,861	1.26	1.16	9.07	149.7	32.52
Kentucky	1	12,650	1.35	1.07	7.90	150.0	37.95
Martin	1	12,650	1.35	1.07	7.90	150.0	37.95
Salt River Proj Ag I & P Dist Coronado	**2,526**	**9,816**	**.43**	**.44**	**14.73**	**181.1**	**35.55**
New Mexico	2,526	9,816	.43	.44	14.73	181.1	35.55
Mckinley	2,526	9,816	.43	.44	14.73	181.1	35.55
Salt River Proj Ag I & P Dist Navajo	**7,680**	**10,981**	**.54**	**.49**	**9.19**	**116.8**	**25.65**
Arizona	7,680	10,981	.54	.49	9.19	116.8	25.65
Navajo	7,680	10,981	.54	.49	9.19	116.8	25.65
San Antonio City of JT Deely/Spruce	**5,462**	**8,415**	**.34**	**.41**	**5.94**	**98.7**	**16.62**
Wyoming	5,395	8,371	.34	.41	5.95	97.1	16.26
Campbell	5,395	8,371	.34	.41	5.95	97.1	16.26
Imported	67	11,972	.57	.47	5.21	190.9	45.70
Imported Coal	67	11,972	.57	.47	5.21	190.9	45.70
San Miguel Electric Coop Inc San Miguel	**3,523**	**5,215**	**1.78**	**3.42**	**27.45**	**69.4**	**7.24**
Texas	3,523	5,215	1.78	3.42	27.45	69.4	7.24
Atascosa	2,761	5,211	1.78	3.42	27.46	69.1	7.20
McMullen	762	5,227	1.79	3.42	27.39	70.6	7.38
Savannah Electric & Power Inc Kraft	**414**	**12,492**	**1.01**	**.81**	**7.19**	**144.6**	**36.14**
Imported	414	12,492	1.01	.81	7.19	144.6	36.14
Imported Coal	414	12,492	1.01	.81	7.19	144.6	36.14
Savannah Electric & Power Inc McIntosh	**430**	**10,683**	**.92**	**.86**	**19.40**	**140.4**	**29.99**
Kentucky	430	10,683	.92	.86	19.40	140.4	29.99
Perry	430	10,683	.92	.86	19.40	140.4	29.99
Seminole Electric Coop Inc Seminole	**3,591**	**12,242**	**2.91**	**2.38**	**7.84**	**178.8**	**43.79**
Illinois	1,634	11,685	2.98	2.55	7.71	190.7	44.57
White	1,634	11,685	2.98	2.55	7.71	190.7	44.57
Kentucky	1,167	12,451	2.57	2.07	8.20	178.7	44.49
Breathitt	251	12,502	1.60	1.28	9.11	167.6	41.92
Hopkins	24	11,774	3.15	2.68	10.20	169.0	39.80
Pike	10	12,642	1.25	.99	7.50	178.0	45.01
Union	72	11,953	2.78	2.33	6.04	168.7	40.33
Webster	810	12,498	2.86	2.29	8.07	183.2	45.80
Virginia	13	12,496	3.06	2.45	11.93	150.2	37.55
Lee	4	12,642	2.73	2.16	9.30	141.9	35.88
Wise	9	12,431	3.20	2.57	13.10	154.0	38.29
West Virginia	777	13,094	3.26	2.49	7.52	157.3	41.18
Harrison	777	13,094	3.26	2.49	7.52	157.3	41.18
Sierra Pacific Power Co North Valmy	**1,706**	**11,466**	**.38**	**.33**	**8.57**	**147.7**	**33.86**
Utah	1,706	11,466	.38	.33	8.57	147.7	33.86
Carbon	353	11,528	.45	.39	8.89	128.4	29.60
Emery	160	12,196	.53	.43	10.41	109.9	26.81
Sevier	1,193	11,349	.34	.30	8.23	158.9	36.07
Sikeston City of Sikeston	**1,046**	**8,721**	**.35**	**.40**	**5.34**	**100.2**	**17.48**
Wyoming	1,046	8,721	.35	.40	5.34	100.2	17.48
Campbell	1,046	8,721	.35	.40	5.34	100.2	17.48
South Carolina Electric&Gas Co Canadys	**759**	**12,788**	**1.36**	**1.06**	**9.27**	**153.1**	**39.16**
Kentucky	616	12,767	1.34	1.05	9.30	153.2	39.13
Knott	48	12,620	1.11	.88	9.00	162.7	41.07
Martin	2	12,005	1.16	.97	12.40	145.9	35.03
Pike	566	12,783	1.36	1.06	9.32	152.5	38.98

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 Canadys							
Tennessee	84	12,919	1.38	1.07	7.91	154.6	39.94
Claiborne	84	12,919	1.38	1.07	7.91	154.6	39.94
Virginia	60	12,821	1.53	1.20	10.88	149.8	38.40
Wise	60	12,821	1.53	1.20	10.88	149.8	38.40
South Carolina Electric&Gas Co Cope	**1,101**	**12,553**	**1.20**	**.96**	**10.19**	**152.2**	**38.22**
Kentucky	1,033	12,530	1.21	.96	10.19	152.3	38.16
Breathitt	9	12,355	1.86	1.51	10.10	148.8	36.77
Knott	308	12,296	1.25	1.02	10.15	155.8	38.32
Letcher	37	12,636	1.17	.93	8.61	156.0	39.42
Martin	117	12,244	1.14	.93	11.55	149.4	36.58
Pike	563	12,712	1.19	.93	10.04	150.8	38.34
Tennessee	5	12,667	1.39	1.10	9.80	151.8	38.46
Claiborne	5	12,667	1.39	1.10	9.80	151.8	38.46
Virginia	62	12,937	1.14	.88	10.18	151.6	39.22
Dickenson	44	13,081	1.14	.87	9.98	152.4	39.87
Wise	18	12,589	1.14	.90	10.64	149.6	37.66
South Carolina Electric&Gas Co Mcmeekin	**629**	**13,081**	**1.41**	**1.08**	**9.89**	**150.1**	**39.27**
Kentucky	130	12,743	1.37	1.07	10.51	148.2	37.77
Knott	5	11,968	1.60	1.34	11.98	150.2	35.96
Pike	125	12,775	1.36	1.06	10.45	148.1	37.84
Virginia	499	13,169	1.42	1.08	9.73	150.6	39.67
Dickenson	499	13,169	1.42	1.08	9.73	150.6	39.67
South Carolina Electric&Gas Co Urguhart	**436**	**13,031**	**1.29**	**.99**	**8.87**	**152.6**	**39.77**
Kentucky	190	12,958	1.17	.90	9.57	151.3	39.22
Pike	190	12,958	1.17	.90	9.57	151.3	39.22
Tennessee	180	12,958	1.42	1.10	8.17	153.0	39.65
Claiborne	180	12,958	1.42	1.10	8.17	153.0	39.65
Virginia	66	13,440	1.29	.96	8.76	155.1	41.69
Dickenson	44	13,621	1.30	.95	7.79	155.8	42.44
Wise	22	13,073	1.28	.98	10.74	153.6	40.15
South Carolina Electric&Gas Co Wateree	**1,693**	**12,426**	**1.26**	**1.02**	**11.43**	**150.6**	**37.42**
Kentucky	1,249	12,337	1.25	1.01	11.41	150.6	37.15
Breathitt	70	11,854	1.84	1.55	12.76	149.9	35.53
Knott	322	12,112	1.45	1.19	11.87	153.6	37.20
Letcher	18	12,388	1.24	1.00	9.60	141.3	35.01
Martin	113	12,072	1.07	.88	11.60	148.0	35.74
Pike	725	12,524	1.14	.91	11.09	150.0	37.56
Tennessee	90	12,598	1.40	1.12	8.97	154.0	38.81
Claiborne	90	12,598	1.40	1.12	8.97	154.0	38.81
Virginia	354	12,697	1.28	1.01	12.12	149.7	38.00
Dickenson	27	12,749	1.47	1.15	12.34	153.2	39.05
Wise	326	12,693	1.26	1.00	12.10	149.4	37.92
South Carolina Electric&Gas Co Williams	**1,346**	**12,913**	**.77**	**.60**	**7.58**	**161.2**	**41.62**
Kentucky	1,346	12,913	.77	.60	7.58	161.2	41.62
Knott	160	12,845	.86	.67	8.01	164.5	42.27
Perry	360	13,142	.76	.58	6.62	162.9	42.82
Pike	827	12,827	.76	.59	7.91	159.7	40.97
South Carolina Pub Serv Auth Cross	**2,608**	**12,886**	**1.11**	**.86**	**7.92**	**135.0**	**34.80**
Kentucky	2,608	12,886	1.11	.86	7.92	135.0	34.80
Floyd	10	12,694	1.17	.92	9.00	131.4	33.36
Harlan	909	12,840	1.08	.84	7.79	133.9	34.40
Letcher	121	13,298	1.43	1.07	6.60	132.3	35.20
Pike	1,568	12,883	1.11	.86	8.10	135.9	35.02
South Carolina Pub Serv Auth Grainger	**227**	**13,231**	**1.63**	**1.23**	**6.62**	**151.5**	**40.10**
Kentucky	227	13,231	1.63	1.23	6.62	151.5	40.10
Floyd	9	12,657	1.30	1.03	8.70	150.9	38.20
Letcher	208	13,260	1.67	1.26	6.39	151.8	40.27
Pike	10	13,131	1.15	.88	9.60	145.3	38.16
South Carolina Pub Serv Auth Jefferies	**640**	**13,300**	**1.62**	**1.22**	**6.33**	**132.1**	**35.13**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Pub Serv Auth Jefferies							
Kentucky	640	13,300	1.62	1.22	6.33	132.1	35.13
Letcher	621	13,319	1.63	1.22	6.18	131.8	35.11
Pike	19	12,674	1.32	1.04	11.13	141.4	35.85
South Carolina Pub Serv Auth Winyah	**2,656**	**12,908**	**1.24**	**.96**	**8.33**	**135.7**	**35.04**
Kentucky	2,656	12,908	1.24	.96	8.33	135.7	35.04
Breathitt	19	12,572	1.09	.87	8.27	135.2	34.00
Floyd	69	13,012	1.14	.88	7.21	132.1	34.38
Harlan	933	12,793	1.10	.86	8.16	132.7	33.94
Letcher	674	13,267	1.51	1.14	6.46	132.0	35.01
Pike	962	12,767	1.19	.93	9.89	141.7	36.17
South Mississippi El Pwr Assn R D Morrow	**952**	**12,336**	**.89**	**.72**	**8.82**	**197.4**	**48.71**
Kentucky	952	12,336	.89	.72	8.82	197.4	48.71
Leslie	952	12,336	.89	.72	8.82	197.4	48.71
Southern California Edison Co Mohave	**4,503**	**10,893**	**.51**	**.47**	**10.40**	**125.6**	**27.36**
Arizona	4,503	10,893	.51	.47	10.40	125.6	27.36
Navajo	4,503	10,893	.51	.47	10.40	125.6	27.36
Southern Illinois Power Coop Marion	**827**	**10,805**	**2.95**	**2.73**	**16.60**	**93.5**	**20.20**
Illinois	827	10,805	2.95	2.73	16.60	93.5	20.20
Gallatin	197	10,581	3.11	2.94	19.30	89.9	19.02
Jefferson	27	8,454	1.78	2.11	22.83	52.6	8.89
Perry	182	11,221	2.68	2.39	11.28	109.9	24.67
Saline	171	12,120	3.76	3.10	15.22	103.6	25.13
Williamson	250	10,033	2.60	2.59	18.63	78.5	15.74
Southern Indiana Gas & Elec Co A B Brown	**1,444**	**11,486**	**3.80**	**3.31**	**8.68**	**94.5**	**21.70**
Illinois	34	11,615	2.98	2.57	7.55	103.1	23.95
White	34	11,615	2.98	2.57	7.55	103.1	23.95
Indiana	1,305	11,450	3.87	3.38	8.64	93.5	21.42
Gibson	*	10,944	4.73	4.32	13.80	98.1	21.47
Pike	1,305	11,450	3.87	3.38	8.63	93.5	21.42
Kentucky	105	11,892	3.18	2.67	9.64	102.9	24.49
Hopkins	105	11,892	3.18	2.67	9.64	102.9	24.49
Southern Indiana Gas & Elec Co Culley	**1,395**	**11,468**	**3.61**	**3.15**	**9.12**	**92.3**	**21.16**
Indiana	1,329	11,398	3.74	3.28	9.22	90.2	20.56
Daviess	25	11,514	1.21	1.05	6.27	134.1	30.88
Gibson	15	10,964	2.50	2.28	9.67	96.6	21.18
Knox	115	11,401	2.35	2.06	8.30	95.0	21.66
Pike	34	11,514	3.90	3.39	8.50	87.8	20.22
Warrick	1,141	11,397	3.94	3.46	9.39	88.7	20.23
Kentucky	33	12,696	.78	.62	7.20	137.9	35.00
Letcher	33	12,696	.78	.62	7.20	137.9	35.00
Pennsylvania	32	13,130	1.54	1.18	7.06	121.1	31.79
Greene	32	13,130	1.54	1.18	7.06	121.1	31.79
Southern Indiana Gas & Elec Co Warrick	**416**	**11,014**	**2.52**	**2.29**	**9.37**	**96.3**	**21.22**
Indiana	416	11,014	2.52	2.29	9.37	96.3	21.22
Gibson	416	11,014	2.52	2.29	9.37	96.3	21.22
Southwestern Electric Power Co Flint Creek	**2,506**	**8,493**	**.35**	**.41**	**4.77**	**138.1**	**23.46**
Wyoming	2,506	8,493	.35	.41	4.77	138.1	23.46
Campbell	2,506	8,493	.35	.41	4.77	138.1	23.46
Southwestern Electric Power Co Pirkey	**3,598**	**6,559**	**1.54**	**2.35**	**13.94**	**111.9**	**14.68**
Texas	3,598	6,559	1.54	2.35	13.94	111.9	14.68
Harrison	3,598	6,559	1.54	2.35	13.94	111.9	14.68
Southwestern Electric Power Co Welsh Station	**6,632**	**8,422**	**.40**	**.47**	**4.83**	**156.4**	**26.35**
Wyoming	6,632	8,422	.40	.47	4.83	156.4	26.35
Campbell	6,620	8,422	.40	.47	4.83	156.4	26.34
Converse	12	8,708	.27	.31	6.05	153.5	26.73
Southwestern Public Service Co Harrington	**4,592**	**9,049**	**.36**	**.39**	**5.46**	**124.3**	**22.49**

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, 1998 (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)
Southwestern Public Service Co Harrington							
Wyoming	4,592	9,049	0.36	0.39	5.46	124.3	22.49
Campbell	4,592	9,049	.36	.39	5.46	124.3	22.49
Southwestern Public Service Co Tolk	**4,317**	**8,686**	**.35**	**.40**	**5.32**	**201.9**	**35.07**
Wyoming	4,317	8,686	.35	.40	5.32	201.9	35.07
Campbell	4,317	8,686	.35	.40	5.32	201.9	35.07
Springfield City of (MO) James River	**826**	**9,438**	**.49**	**.51**	**5.70**	**119.8**	**22.62**
Illinois	179	12,008	.91	.76	6.43	149.4	35.87
Jefferson	179	12,008	.91	.76	6.43	149.4	35.87
Wyoming	647	8,729	.37	.42	5.50	108.6	18.96
Campbell	624	8,728	.37	.42	5.51	108.6	18.96
Converse	23	8,742	.38	.43	5.30	109.5	19.14
Springfield City of (MO) Southwest	**789**	**8,760**	**.36**	**.42**	**5.39**	**103.7**	**18.17**
Wyoming	789	8,760	.36	.42	5.39	103.7	18.17
Campbell	789	8,760	.36	.42	5.39	103.7	18.17
Springfield City of (IL) Dallman	**1,000**	**10,426**	**3.03**	**2.90**	**9.30**	**116.6**	**24.32**
Illinois	1,000	10,426	3.03	2.90	9.30	116.6	24.32
Logan	955	10,435	3.11	2.98	9.32	116.3	24.28
Macoupin	45	10,226	1.23	1.20	8.71	123.4	25.24
Springfield City of (IL) Lakeside	**53**	**10,431**	**3.13**	**3.00**	**9.39**	**116.1**	**24.22**
Illinois	53	10,431	3.13	3.00	9.39	116.1	24.22
Logan	53	10,431	3.13	3.00	9.39	116.1	24.22
St Joseph Light and Power Co Lakeroad	**434**	**9,822**	**1.12**	**1.14**	**6.92**	**99.0**	**19.45**
Illinois	132	10,984	2.91	2.65	9.90	118.6	26.06
Perry	132	10,984	2.91	2.65	9.90	118.6	26.06
Wyoming	302	9,315	.33	.36	5.62	88.9	16.57
Campbell	*	8,800	.30	.34	5.50	57.7	10.16
Carbon	68	11,092	.61	.55	6.01	113.2	25.11
Converse	234	8,802	.26	.29	5.50	80.1	14.10
Sunflower Electric Power Corp Holcomb Unit # 1	**1,601**	**8,476**	**.30**	**.36**	**5.03**	**110.7**	**18.77**
Wyoming	1,601	8,476	.30	.36	5.03	110.7	18.77
Campbell	1,601	8,476	.30	.36	5.03	110.7	18.77
Tacoma Dept of Public Utilities Steam No. 2	**1**	**10,800**	**.73**	**.68**	**66.06**	**165.5**	**35.74**
Washington	1	10,800	.73	.68	66.06	165.5	35.74
King	1	10,800	.73	.68	66.06	165.5	35.74
Tampa Electric Co Davant Transfer[4]	**7,315**	**11,241**	**2.01**	**1.79**	**7.26**	**145.6**	**32.73**
Illinois	3,736	11,999	2.41	2.01	8.58	154.4	37.06
Gallatin	964	12,668	2.71	2.14	9.23	128.8	32.63
Perry	1,120	10,967	2.98	2.71	9.08	204.1	44.76
Saline	1,649	12,309	1.84	1.50	7.86	139.9	34.45
Unknown[2]	2	12,112	1.96	1.61	7.55	90.0	21.81
Indiana	30	10,864	3.03	2.79	10.20	125.2	27.20
Warrick	30	10,864	3.03	2.79	10.20	125.2	27.20
Kentucky	1,730	11,573	2.73	2.36	7.76	128.9	29.83
Henderson	691	11,227	2.63	2.34	8.61	127.8	28.69
Muhlenberg	65	11,556	2.74	2.37	9.40	130.2	30.09
Union	956	11,810	2.80	2.37	7.01	129.5	30.59
Webster	16	12,248	2.99	2.44	8.90	134.4	32.92
Unknown[2]	2	13,009	2.29	1.76	8.20	85.8	22.32
West Virginia	158	13,214	2.25	1.70	7.56	137.5	36.33
Harrison	33	12,988	3.13	2.41	8.79	127.6	33.15
Marion	125	13,273	2.02	1.52	7.23	140.0	37.16
Wyoming	1,064	8,724	.40	.46	5.15	134.4	23.45
Campbell	1,064	8,724	.40	.46	5.15	134.4	23.45
Imported	597	9,515	.21	.22	1.09	157.1	29.89
Imported Coal	597	9,515	.21	.22	1.09	157.1	29.89
Tampa Electric Co Gannon	**838**	**12,684**	**1.21**	**.96**	**7.83**	**242.6**	**61.55**

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, 1998 (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 Gannon							
Illinois	80	12,002	1.26	1.05	7.27	178.5	42.85
Saline	80	12,002	1.26	1.05	7.27	178.5	42.85
Kentucky	758	12,756	1.21	.95	7.89	248.9	63.51
Pike	548	12,866	1.26	.98	8.25	248.8	64.01
Whitley	210	12,468	1.08	.87	6.96	249.4	62.19
Tennessee Valley Authority Bull Run[5]	**2,080**	**12,595**	**1.46**	**1.16**	**9.62**	**113.8**	**28.67**
Kentucky	2,080	12,595	1.46	1.16	9.62	113.8	28.67
Bell	473	12,792	1.61	1.26	9.16	118.3	30.27
Harlan	151	12,686	1.43	1.13	9.16	114.7	29.10
Knott	321	12,179	2.04	1.68	11.18	112.4	27.38
Leslie	995	12,688	1.13	.89	9.12	111.7	28.35
Pike	139	12,125	2.02	1.67	11.72	115.5	28.00
Tennessee Valley Authority Cahokia Transfer[5]	**675**	**11,387**	**.46**	**.40**	**9.73**	**118.1**	**26.89**
Colorado	675	11,387	.46	.40	9.73	118.1	26.89
Delta	31	12,364	.46	.37	7.15	119.2	29.47
Gunnison	120	11,771	.42	.36	9.28	122.0	28.72
Routt	524	11,242	.47	.42	9.98	117.1	26.32
Tennessee Valley Authority Colbert[5]	**1,567**	**12,029**	**1.69**	**1.41**	**12.19**	**112.7**	**27.12**
Illinois	9	12,389	2.21	1.78	8.48	100.1	24.80
Gallatin	9	12,389	2.21	1.78	8.48	100.1	24.80
Kentucky	1,439	12,035	1.77	1.47	12.12	110.9	26.68
Floyd	47	12,173	.86	.71	9.78	129.8	31.61
Pike	220	12,108	.90	.74	10.39	124.1	30.04
Webster	1,171	12,016	1.97	1.64	12.54	107.6	25.85
Tennessee	55	12,218	.74	.61	12.59	132.9	32.47
Sequatchie	55	12,218	.74	.61	12.59	132.9	32.47
West Virginia	64	11,666	.69	.59	13.92	139.7	32.60
Mingo	64	11,666	.69	.59	13.92	139.7	32.60
Tennessee Valley Authority Cora Transfer[5]	**2,855**	**10,537**	**.47**	**.44**	**7.70**	**109.4**	**23.05**
Colorado	171	11,496	.54	.47	10.65	112.7	25.92
Delta	54	12,060	.58	.48	8.50	115.3	27.81
Routt	117	11,236	.52	.46	11.64	111.4	25.04
Utah	1,446	11,917	.58	.49	9.47	123.6	29.46
Carbon	983	12,161	.62	.51	9.11	122.4	29.76
Sevier	463	11,400	.50	.44	10.23	126.4	28.82
Wyoming	1,238	8,793	.32	.37	5.23	86.3	15.18
Campbell	1,084	8,799	.32	.36	5.17	85.9	15.12
Converse	154	8,753	.36	.41	5.70	88.8	15.55
Tennessee Valley Authority Cumberland[5]	**6,536**	**11,788**	**2.85**	**2.41**	**9.01**	**108.5**	**25.57**
Illinois	451	12,284	2.87	2.34	9.51	109.7	26.95
Gallatin	319	12,600	2.83	2.25	9.80	106.8	26.90
Randolph	38	11,000	3.10	2.82	10.00	109.9	24.19
Saline	10	12,000	1.70	1.42	8.00	114.7	27.54
White	84	11,702	3.07	2.63	8.36	121.0	28.32
Kentucky	5,462	11,587	2.93	2.52	9.12	108.4	25.11
Hopkins	44	11,800	3.15	2.67	9.50	103.8	24.51
Knott	20	12,409	2.67	2.15	10.87	108.6	26.96
Union	5,113	11,537	2.91	2.52	9.13	107.9	24.89
Webster	285	12,405	3.23	2.60	8.67	117.0	29.03
Pennsylvania	623	13,193	2.13	1.61	7.75	108.4	28.61
Greene	623	13,193	2.13	1.61	7.75	108.4	28.61
Tennessee Valley Authority Gallatin[5]	**79**	**12,683**	**2.75**	**2.17**	**8.06**	**118.3**	**30.02**
Illinois	34	12,788	2.48	1.94	8.18	111.9	28.62
Gallatin	34	12,788	2.48	1.94	8.18	111.9	28.62
Kentucky	45	12,604	2.95	2.34	7.98	123.2	31.07
Webster	45	12,604	2.95	2.34	7.98	123.2	31.07
Tennessee Valley Authority GRT Terminal[5]	**6,773**	**10,963**	**1.37**	**1.25**	**8.17**	**104.6**	**22.93**

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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 GRT Terminal[5]							
Colorado	1,173	11,734	0.49	0.42	8.96	117.4	27.55
Delta	383	12,141	.47	.39	7.55	114.9	27.89
Gunnison	293	11,796	.56	.47	9.33	120.9	28.52
Routt	497	11,385	.48	.42	9.83	117.3	26.71
Illinois	1,041	12,165	2.07	1.70	8.90	107.1	26.06
Gallatin	365	12,867	2.58	2.00	8.53	103.1	26.53
Jefferson	215	11,795	1.02	.87	7.38	118.1	27.85
Saline	462	11,782	2.15	1.83	9.91	105.5	24.86
Kentucky	2,343	12,091	2.46	2.03	9.86	104.0	25.14
Christian	150	11,381	2.83	2.49	11.27	111.6	25.40
Floyd	7	12,019	.83	.69	9.51	121.7	29.25
Hopkins	681	11,844	2.80	2.36	9.45	103.3	24.47
Webster	1,506	12,273	2.28	1.86	9.91	103.5	25.39
Pennsylvania	15	12,000	1.20	1.00	12.00	137.7	33.05
Greene	15	12,000	1.20	1.00	12.00	137.7	33.05
West Virginia	12	11,700	.70	.60	13.80	123.4	28.87
Mingo	12	11,700	.70	.60	13.80	123.4	28.87
Wyoming	2,189	8,759	.33	.38	5.52	94.2	16.49
Campbell	1,685	8,749	.35	.40	5.47	94.2	16.48
Converse	504	8,794	.28	.31	5.71	94.0	16.53
Tennessee Valley Authority Johnsonville[5]	**2,316**	**12,204**	**1.73**	**1.42**	**8.80**	**112.2**	**27.38**
Illinois	1,389	12,286	1.71	1.39	7.34	107.3	26.37
Gallatin	746	12,393	1.72	1.38	7.33	99.7	24.70
Jefferson	136	11,587	1.67	1.44	7.25	124.9	28.95
Saline	506	12,315	1.72	1.40	7.39	114.2	28.13
Kentucky	928	12,083	1.76	1.46	10.99	119.6	28.91
Breathitt	50	11,800	1.90	1.61	12.42	137.7	32.50
Pike	304	12,231	1.74	1.42	9.64	132.2	32.35
Webster	574	12,029	1.76	1.46	11.58	111.3	26.78
Tennessee Valley Authority Kingston[5]	**4,316**	**12,494**	**1.38**	**1.11**	**9.60**	**122.6**	**30.64**
Kentucky	2,576	12,557	1.37	1.09	9.48	124.7	31.32
Bell	1,536	12,538	1.44	1.15	9.54	125.2	31.38
Harlan	461	12,559	1.32	1.05	9.32	119.9	30.12
Knott	83	11,936	1.50	1.25	12.70	136.9	32.69
Leslie	312	12,841	1.27	.99	8.78	120.2	30.88
Perry	111	12,260	1.19	.97	9.86	133.7	32.79
Pike	36	12,800	.75	.59	9.00	155.1	39.70
Whitley	37	12,972	1.28	.98	7.16	122.7	31.83
Tennessee	1,476	12,333	1.44	1.17	9.65	116.9	28.84
Anderson	1,104	12,200	1.50	1.23	10.00	114.5	27.93
Cumberland	37	12,500	1.02	.82	11.00	117.0	29.25
Morgan	7	13,000	1.60	1.23	8.00	115.7	30.07
Scott	328	12,748	1.28	1.00	8.34	124.8	31.82
Virginia	244	12,850	1.17	.91	10.41	132.4	34.02
Lee	38	12,300	.88	.72	10.00	138.6	34.10
Wise	206	12,952	1.23	.95	10.49	131.3	34.01
West Virginia	20	12,000	.72	.60	12.00	144.7	34.74
Mingo	20	12,000	.72	.60	12.00	144.7	34.74
Tennessee Valley Authority Paradise[5]	**6,347**	**10,645**	**4.23**	**3.97**	**18.46**	**96.1**	**20.47**
Kentucky	6,347	10,645	4.23	3.97	18.46	96.1	20.47
Christian	945	10,307	4.41	4.28	16.66	92.3	19.02
Hopkins	1,722	10,603	3.42	3.22	16.48	99.8	21.16
Mclean	119	11,000	4.25	3.86	19.60	88.0	19.37
Muhlenberg	2,360	10,185	5.07	4.98	22.93	92.1	18.77
Webster	1,201	11,840	3.58	3.02	13.80	101.6	24.05
Tennessee Valley Authority Sevier[5]	**2,068**	**12,706**	**1.54**	**1.21**	**10.38**	**128.2**	**32.58**
Kentucky	387	12,526	1.31	1.04	11.27	125.4	31.41
Bell	96	12,494	2.24	1.80	11.03	121.6	30.40
Harlan	291	12,536	1.00	.80	11.35	126.6	31.74
Virginia	1,681	12,748	1.60	1.25	10.17	128.8	32.85
Lee	916	12,728	1.34	1.05	9.29	133.2	33.89
Wise	765	12,772	1.91	1.49	11.23	123.7	31.60

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, 1998 (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 Shawnee[5]	**3,599**	**11,563**	**0.71**	**0.61**	**9.24**	**125.1**	**28.93**
Colorado	2,841	11,738	.52	.44	9.31	127.7	29.98
Delta	400	12,264	.50	.41	8.21	130.8	32.09
Gunnison	1,745	11,791	.55	.46	9.36	127.9	30.17
Routt	696	11,301	.47	.42	9.81	125.3	28.31
Illinois	246	11,786	2.43	2.06	10.45	100.7	23.74
Saline	246	11,786	2.43	2.06	10.45	100.7	23.74
Kentucky	176	11,900	1.83	1.53	10.62	131.9	31.39
Knott	23	11,800	.70	.59	13.50	155.1	36.60
Magoffin	7	12,866	.73	.57	7.62	151.6	39.02
Ohio	85	11,341	3.07	2.71	9.82	111.1	25.20
Perry	60	12,613	.62	.49	11.03	147.6	37.24
Utah	22	12,352	.62	.50	10.00	138.8	34.29
Carbon	22	12,352	.62	.50	10.00	138.8	34.29
West Virginia	70	12,266	.71	.58	12.39	153.3	37.60
Boone	30	12,450	.76	.61	12.00	154.2	38.40
Kanawha	15	12,000	.73	.61	13.00	156.9	37.65
Logan	24	12,201	.63	.52	12.50	149.9	36.58
Wyoming	245	8,807	.31	.35	5.35	97.7	17.21
Campbell	167	8,806	.33	.37	5.20	98.1	17.28
Converse	78	8,807	.28	.32	5.66	96.9	17.06
Tennessee Valley Authority Widows Creek[5]	**3,211**	**12,109**	**2.39**	**1.97**	**11.08**	**122.4**	**29.65**
Illinois	423	12,127	3.04	2.51	9.23	111.7	27.10
Gallatin	224	12,550	3.02	2.40	10.25	109.8	27.56
Randolph	34	10,859	2.92	2.69	9.20	117.5	25.51
White	165	11,813	3.09	2.62	7.85	113.4	26.80
Indiana	61	11,368	3.56	3.13	8.45	110.0	25.01
Pike	61	11,368	3.56	3.13	8.45	110.0	25.01
Kentucky	1,495	11,948	2.44	2.04	10.39	122.1	29.18
Christian	3	11,000	3.94	3.58	13.00	105.5	23.20
Harlan	36	13,056	.85	.65	7.21	132.0	34.47
Hopkins	419	11,453	3.45	3.01	11.98	107.4	24.60
Knott	63	12,000	.84	.70	12.15	144.1	34.57
Magoffin	53	12,797	.78	.61	9.52	145.4	37.22
Perry	172	12,667	.84	.66	8.79	144.2	36.52
Pike	182	11,919	.80	.67	12.21	131.5	31.35
Union	273	11,943	2.78	2.32	6.07	114.4	27.32
Webster	294	11,965	3.46	2.89	12.09	119.6	28.62
Pennsylvania	39	13,269	2.16	1.63	7.49	112.4	29.84
Greene	39	13,269	2.16	1.63	7.49	112.4	29.84
Tennessee	498	12,400	.89	.72	14.50	137.3	34.04
Sequatchie	498	12,400	.89	.72	14.50	137.3	34.04
Virginia	35	12,510	.84	.67	9.28	138.7	34.69
Wise	35	12,510	.84	.67	9.28	138.7	34.69
West Virginia	660	12,220	2.97	2.43	11.78	119.3	29.16
Boone	98	12,234	.76	.62	11.98	131.8	32.26
Mingo	50	11,953	.82	.68	13.55	134.9	32.25
Monongalia	458	12,225	3.92	3.21	11.51	110.7	27.06
Nicholas	54	12,400	.88	.71	12.00	155.4	38.53
Texas Municipal Power Agency Gibbons Creek	**1,620**	**8,506**	**.31**	**.37**	**5.40**	**119.4**	**20.32**
Wyoming	1,620	8,506	.31	.37	5.40	119.4	20.32
Campbell	1,442	8,468	.31	.37	5.36	119.3	20.21
Converse	179	8,811	.31	.35	5.77	120.2	21.19
Texas-New Mexico Power Co TNP 1	**1,761**	**6,837**	**.87**	**1.27**	**15.27**	**142.7**	**19.52**
Texas	1,761	6,837	.87	1.27	15.27	142.7	19.52
Robertson	1,761	6,837	.87	1.27	15.27	142.7	19.52
Texas Utilities Electric Co Big Brown	**5,022**	**6,671**	**.73**	**1.10**	**15.31**	**113.2**	**15.11**
Texas	5,022	6,671	.73	1.10	15.31	113.2	15.11
Freestone	5,022	6,671	.73	1.10	15.31	113.2	15.11
Texas Utilities Electric Co Martin Lake	**13,424**	**6,666**	**1.26**	**1.89**	**11.76**	**83.2**	**11.09**

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, 1998 (Continued)

Electric Utility Plant Origin State County	Quantity (thousand short tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per MM Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Texas Utilities Electric Co Martin Lake							
Texas	13,424	6,666	1.26	1.89	11.76	83.2	11.09
Panola	13,424	6,666	1.26	1.89	11.76	83.2	11.09
Texas Utilities Electric Co Monticello	**11,466**	**6,437**	**.48**	**.74**	**16.20**	**118.9**	**15.31**
Texas	9,815	6,052	.50	.82	18.09	121.4	14.69
Titus	9,815	6,052	.50	.82	18.09	121.4	14.69
Wyoming	1,651	8,726	.36	.41	4.96	108.7	18.96
Campbell	1,651	8,726	.36	.41	4.96	108.7	18.96
Texas Utilities Electric Co Sandow No 4[6]	**3,368**	**6,685**	**1.20**	**1.80**	**16.22**	**104.6**	**13.99**
Texas	3,368	6,685	1.20	1.80	16.22	104.6	13.99
Milam	3,368	6,685	1.20	1.80	16.22	104.6	13.99
Toledo Edison Co Bay Shore	**1,730**	**9,507**	**.40**	**.42**	**5.91**	**127.1**	**24.16**
Kentucky	114	12,740	.78	.61	8.88	134.6	34.30
Carter	11	12,458	.88	.71	8.60	127.4	31.74
Martin	66	12,888	.72	.56	7.98	140.2	36.14
Pike	37	12,560	.87	.69	10.60	126.4	31.75
West Virginia	214	12,923	.76	.59	8.92	152.6	39.44
Boone	33	12,463	.89	.72	9.23	143.6	35.80
Mingo	181	13,007	.74	.57	8.87	154.1	40.10
Wyoming	1,402	8,722	.32	.36	5.21	120.4	21.00
Campbell	1,320	8,726	.32	.36	5.24	120.4	21.01
Converse	82	8,644	.27	.32	4.70	120.7	20.87
Tri-State G & T Assn, Inc. Craig	**4,545**	**10,139**	**.39**	**.39**	**6.29**	**109.0**	**22.10**
Colorado	4,545	10,139	.39	.39	6.29	109.0	22.10
Moffat	4,545	10,139	.39	.39	6.29	109.0	22.10
Tri-State G & T Assn, Inc. Nucla	**317**	**10,907**	**.85**	**.78**	**18.91**	**103.1**	**22.50**
Colorado	317	10,907	.85	.78	18.91	103.1	22.50
Montrose	317	10,907	.85	.78	18.91	103.1	22.50
Tucson Electric Power Co Irvington	**209**	**11,184**	**.47**	**.42**	**9.98**	**195.7**	**43.76**
Colorado	198	11,270	.47	.41	9.68	191.5	43.16
Routt	198	11,270	.47	.41	9.68	191.5	43.16
New Mexico	10	9,553	.45	.47	15.62	289.2	55.25
Mckinley	10	9,553	.45	.47	15.62	289.2	55.25
Tucson Electric Power Co Springerville	**3,199**	**9,322**	**.79**	**.84**	**16.96**	**137.4**	**25.61**
New Mexico	3,199	9,322	.79	.84	16.96	137.4	25.61
Mckinley	3,199	9,322	.79	.84	16.96	137.4	25.61
Union Electric Co Labadie	**8,270**	**8,851**	**.35**	**.39**	**5.12**	**92.5**	**16.38**
Illinois	317	10,892	2.52	2.31	9.52	115.7	25.21
Jefferson	29	11,650	1.02	.88	7.40	126.3	29.43
Macoupin	64	10,300	1.40	1.36	8.40	127.2	26.20
Perry	166	10,950	3.00	2.74	10.00	111.1	24.34
Randolph	58	11,000	3.11	2.83	10.42	111.5	24.52
Wyoming	7,953	8,769	.26	.30	4.95	91.4	16.02
Campbell	5,370	8,757	.28	.31	4.77	92.3	16.17
Converse	2,583	8,795	.23	.26	5.31	89.3	15.71
Union Electric Co Meramec	**1,467**	**10,195**	**.63**	**.62**	**6.06**	**119.4**	**24.34**
Colorado	30	11,750	.63	.54	8.50	136.9	32.17
Gunnison	30	11,750	.63	.54	8.50	136.9	32.17
Illinois	532	11,818	1.18	.99	7.32	132.4	31.28
Jefferson	210	12,000	1.00	.83	7.50	127.6	30.63
Saline	322	11,700	1.29	1.10	7.20	135.5	31.71
Indiana	148	11,100	.67	.60	9.00	130.5	28.97
Warrick	148	11,100	.67	.60	9.00	130.5	28.97
Wyoming	757	8,816	.24	.27	4.51	103.5	18.25
Campbell	757	8,816	.24	.27	4.51	103.5	18.25
Union Electric Co Rush Island	**4,823**	**8,521**	**.31**	**.37**	**5.12**	**90.0**	**15.34**

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, 1998 (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 Rush Island							
Wyoming	4,823	8,521	0.31	0.37	5.12	90.0	15.34
Campbell	4,823	8,521	.31	.37	5.12	90.0	15.34
Union Electric Co Sioux	**3,057**	**9,245**	**.61**	**.66**	**5.75**	**98.8**	**18.26**
Illinois	497	11,475	2.15	1.88	9.55	136.0	31.20
Jefferson	248	11,500	1.27	1.10	10.10	143.5	33.02
Perry	83	10,950	3.00	2.74	10.00	135.4	29.65
White	166	11,700	3.05	2.61	8.50	125.1	29.26
Wyoming	2,560	8,813	.31	.35	5.02	89.4	15.75
Campbell	2,255	8,814	.32	.37	4.98	89.5	15.78
Converse	305	8,800	.22	.25	5.30	88.5	15.58
United Illuminating Co Bridgeport Harbor	**657**	**13,138**	**.53**	**.40**	**6.80**	**181.1**	**47.59**
Kentucky	456	13,115	.50	.38	7.03	183.3	48.09
Pike	456	13,115	.50	.38	7.03	183.3	48.09
West Virginia	95	13,308	.61	.46	7.17	181.6	48.34
Wyoming	95	13,308	.61	.46	7.17	181.6	48.34
Imported	106	13,084	.60	.46	5.47	171.0	44.75
Imported Coal	106	13,084	.60	.46	5.47	171.0	44.75
United Power Assn Stanton	**917**	**6,720**	**.74**	**1.10**	**7.90**	**71.7**	**9.64**
North Dakota	917	6,720	.74	1.10	7.90	71.7	9.64
Mercer	917	6,720	.74	1.10	7.90	71.7	9.64
UtiliCorp United Inc Sibley	**1,606**	**9,614**	**.38**	**.39**	**5.87**	**90.1**	**17.33**
Wyoming	1,606	9,614	.38	.39	5.87	90.1	17.33
Campbell	905	8,976	.23	.25	4.58	76.5	13.73
Carbon	702	10,436	.57	.54	7.53	105.2	21.96
Vineland City of H M Down	**26**	**12,868**	**.78**	**.61**	**6.21**	**192.2**	**49.48**
Pennsylvania	*	12,870	.78	.61	6.21	192.2	49.47
Unknown[2]	*	12,870	.78	.61	6.21	192.2	49.47
West Virginia	26	12,868	.78	.61	6.21	192.2	49.48
Nicholas	26	12,868	.78	.61	6.21	192.2	49.48
Virginia Electric & Power Co Bremo Bluff	**551**	**12,114**	**.83**	**.69**	**11.22**	**140.3**	**33.99**
Kentucky	55	12,777	1.24	.97	7.60	139.0	35.52
Letcher	45	12,954	1.07	.83	7.05	139.5	36.13
Magoffin	10	12,000	2.00	1.67	10.00	136.9	32.86
Virginia	7	12,500	1.20	.96	10.40	153.7	38.42
Buchanan	7	12,500	1.20	.96	10.40	153.7	38.42
West Virginia	489	12,034	.78	.65	11.64	140.2	33.75
Boone	66	12,748	.79	.62	8.31	139.5	35.57
Logan	407	11,949	.77	.64	11.97	140.5	33.59
Nicholas	7	12,000	1.25	1.04	13.30	135.8	32.59
Raleigh	9	10,700	1.10	1.03	19.60	134.9	28.87
Virginia Electric & Power Co Chesapeake Energy	**1,633**	**12,839**	**.97**	**.75**	**8.72**	**142.8**	**36.66**
Virginia	1,633	12,839	.97	.75	8.72	142.8	36.66
Buchanan	8	12,647	1.00	.79	10.55	142.4	36.02
Dickenson	6	12,050	.83	.69	11.60	141.3	34.05
Russell	10	13,000	1.05	.81	7.70	143.9	37.41
Wise	1,610	12,842	.97	.75	8.71	142.8	36.66
Virginia Electric & Power Co Clover	**2,375**	**12,538**	**1.07**	**.86**	**10.37**	**125.9**	**31.56**
Kentucky	73	11,588	1.39	1.20	13.28	123.3	28.57
Letcher	6	12,389	1.08	.87	10.60	129.1	31.99
Martin	55	11,413	1.40	1.22	14.37	122.2	27.88
Pike	12	12,000	1.50	1.25	9.60	125.1	30.03
Virginia	2,273	12,573	1.06	.85	10.26	125.8	31.64
Buchanan	39	12,500	.88	.70	10.82	131.4	32.86
Dickenson	27	12,050	.85	.70	11.56	127.3	30.67
Wise	2,206	12,580	1.07	.85	10.23	125.7	31.63
West Virginia	29	12,225	1.00	.82	11.58	135.6	33.16
Boone	10	12,100	1.00	.83	10.70	143.6	34.75
Logan	10	12,100	1.20	.99	13.00	134.8	32.62
Mingo	9	12,500	.79	.63	11.00	128.0	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 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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	**2,974**	**12,733**	**1.06**	**0.83**	**8.41**	**139.8**	**35.60**
Kentucky	2,005	12,855	1.18	.92	7.53	140.1	36.03
Knott	495	12,721	1.16	.91	8.41	140.5	35.75
Letcher	1,205	13,023	1.17	.90	6.68	140.3	36.55
Pike	304	12,410	1.23	.99	9.46	138.6	34.41
Virginia	97	12,744	1.12	.88	8.72	150.8	38.43
Buchanan	36	12,500	1.32	1.06	9.60	148.7	37.18
Lee	10	12,300	.85	.69	10.00	152.2	37.44
Wise	51	13,000	1.03	.79	7.86	151.9	39.50
West Virginia	872	12,452	.80	.64	10.41	137.7	34.30
Boone	440	12,729	.78	.61	8.70	139.3	35.46
Logan	312	12,050	.83	.69	12.79	135.0	32.54
Nicholas	121	12,484	.79	.63	10.50	138.8	34.64
Virginia Electric & Power Co Mount Storm	**4,920**	**12,165**	**1.66**	**1.37**	**15.47**	**113.1**	**27.51**
Maryland	3,061	12,159	1.72	1.41	15.95	108.6	26.41
Allegany	136	11,878	1.58	1.33	16.24	114.8	27.26
Garrett	2,925	12,172	1.73	1.42	15.94	108.3	26.37
Pennsylvania	274	12,412	1.57	1.27	14.52	121.1	30.06
Somerset	274	12,412	1.57	1.27	14.52	121.1	30.06
West Virginia	1,585	12,134	1.57	1.30	14.72	120.3	29.20
Grant	1,318	12,151	1.61	1.32	14.52	121.1	29.42
Preston	46	12,938	1.54	1.19	9.08	116.0	30.02
Upshur	220	11,863	1.38	1.16	17.12	116.8	27.72
Virginia Electric & Power Co Possum Point	**899**	**12,144**	**.86**	**.70**	**11.25**	**142.3**	**34.57**
Kentucky	113	12,764	1.15	.90	8.14	145.4	37.13
Knott	71	12,800	1.12	.88	8.00	146.0	37.37
Laurel	1	12,200	.74	.61	9.00	146.7	35.79
Letcher	33	12,853	1.17	.91	7.94	145.7	37.44
Pike	9	12,200	1.39	1.14	9.90	140.0	34.16
Virginia	68	12,543	1.30	1.04	9.78	151.8	38.09
Buchanan	55	12,459	1.29	1.04	9.90	150.9	37.60
Wise	13	12,899	1.33	1.03	9.29	155.6	40.15
West Virginia	719	12,009	.77	.64	11.88	140.9	33.84
Boone	43	12,304	.75	.61	9.76	139.7	34.38
Logan	571	11,892	.78	.66	12.48	140.3	33.38
Nicholas	98	12,500	.64	.51	9.60	144.2	36.05
Preston	7	12,900	1.30	1.01	7.80	144.5	37.28
Virginia Electric & Power Co Yorktown	**731**	**12,712**	**1.44**	**1.13**	**7.75**	**147.3**	**37.45**
Kentucky	543	12,758	1.49	1.17	7.29	146.4	37.35
Knott	114	12,000	1.62	1.35	10.80	142.8	34.26
Letcher	309	13,314	1.27	.95	4.95	148.5	39.53
Magoffin	110	12,000	2.00	1.67	10.00	142.6	34.22
Pike	10	12,500	1.00	.80	10.00	158.5	39.62
Pennsylvania	17	13,150	1.52	1.16	5.50	148.3	39.00
Greene	17	13,150	1.52	1.16	5.50	148.3	39.00
Virginia	160	12,498	1.31	1.05	9.59	150.9	37.73
Buchanan	153	12,477	1.32	1.06	9.64	151.0	37.67
Wise	7	13,000	1.17	.90	8.60	150.3	39.08
West Virginia	11	12,900	.78	.60	7.00	139.4	35.97
Boone	11	12,900	.78	.60	7.00	139.4	35.97
West Penn Power Co Armstrong	**965**	**12,564**	**1.90**	**1.51**	**9.96**	**107.8**	**27.09**
Pennsylvania	965	12,564	1.90	1.51	9.96	107.8	27.09
Armstrong	728	12,582	2.05	1.63	9.75	106.1	26.70
Clarion	17	12,302	1.92	1.56	10.34	106.8	26.28
Jefferson	220	12,526	1.38	1.10	10.62	113.4	28.42
West Penn Power Co Hatfield	**3,391**	**12,924**	**2.19**	**1.70**	**9.14**	**140.3**	**36.27**
Pennsylvania	1,498	12,914	2.17	1.68	9.16	140.5	36.29
Greene	1,498	12,914	2.17	1.68	9.16	140.5	36.29
West Virginia	1,893	12,932	2.21	1.71	9.12	140.2	36.26
Harrison	172	13,012	2.24	1.72	8.81	140.5	36.57
Marion	409	12,940	2.26	1.74	9.16	139.7	36.15
Marshall	88	12,870	2.10	1.63	9.22	140.6	36.18
Monongalia	1,224	12,922	2.19	1.70	9.15	140.3	36.27

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1998 (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	**665**	**12,274**	**3.42**	**2.79**	**10.65**	**128.1**	**31.45**
West Virginia	665	12,274	3.42	2.79	10.65	128.1	31.45
Marshall	637	12,253	3.43	2.80	10.64	128.2	31.42
Monongalia	28	12,764	3.14	2.46	10.83	125.6	32.06
West Texas Utilities Co Oklaunion	**3,113**	**8,467**	**.39**	**.46**	**5.17**	**125.5**	**21.25**
Wyoming	3,113	8,467	.39	.46	5.17	125.5	21.25
Campbell	3,113	8,467	.39	.46	5.17	125.5	21.25
Western Farmers Elec Coop Inc Hugo	**1,705**	**8,726**	**.36**	**.41**	**5.35**	**99.5**	**17.37**
Wyoming	1,705	8,726	.36	.41	5.35	99.5	17.37
Campbell	1,705	8,726	.36	.41	5.35	99.5	17.37
Wisconsin Electric Power Co Oak Creek	**2,573**	**10,853**	**.74**	**.68**	**7.43**	**126.7**	**27.51**
New Mexico	454	12,092	.59	.49	14.37	152.8	36.96
Colfax	454	12,092	.59	.49	14.37	152.8	36.96
Pennsylvania	875	13,113	1.53	1.17	6.87	145.5	38.16
Greene	875	13,113	1.53	1.17	6.87	145.5	38.16
Wyoming	1,244	8,811	.24	.27	5.29	94.0	16.57
Campbell	152	8,884	.20	.23	4.40	92.7	16.46
Converse	1,092	8,801	.25	.28	5.42	94.2	16.58
Wisconsin Electric Power Co Pleasant Prairie	**4,741**	**8,449**	**.33**	**.39**	**5.14**	**73.8**	**12.48**
Wyoming	4,741	8,449	.33	.39	5.14	73.8	12.48
Campbell	4,728	8,448	.33	.39	5.14	73.8	12.47
Converse	12	8,714	.22	.25	5.60	77.7	13.54
Wisconsin Electric Power Co Port Washington	**594**	**13,169**	**1.30**	**.99**	**7.07**	**138.7**	**36.52**
Colorado	35	11,828	.52	.44	10.13	139.1	32.91
Gunnison	18	12,392	.58	.47	10.59	132.7	32.89
Routt	17	11,241	.45	.40	9.65	146.5	32.94
Pennsylvania	559	13,252	1.35	1.02	6.88	138.6	36.74
Greene	17	13,249	1.42	1.07	7.20	137.5	36.43
Washington	542	13,252	1.35	1.02	6.87	138.7	36.75
Wisconsin Electric Power Co Presque Isle	**1,801**	**10,154**	**.44**	**.44**	**6.73**	**125.4**	**25.47**
Colorado	618	12,083	.54	.45	9.06	140.5	33.94
Gunnison	618	12,083	.54	.45	9.06	140.5	33.94
Montana	708	9,056	.41	.46	5.74	122.5	22.19
Big Horn	497	9,073	.38	.42	5.46	122.3	22.19
Rosebud	212	9,017	.50	.55	6.40	123.1	22.20
West Virginia	21	13,383	.68	.51	5.37	168.3	45.05
Nicholas	21	13,383	.68	.51	5.37	168.3	45.05
Wyoming	454	9,091	.34	.37	5.15	99.8	18.14
Campbell	68	9,073	.50	.55	6.26	110.6	20.07
Carbon	13	9,583	.38	.40	5.32	119.6	22.92
Converse	374	9,077	.31	.34	4.94	97.1	17.62
Wisconsin Electric Power Co Valley	**706**	**13,120**	**1.60**	**1.22**	**7.27**	**150.5**	**39.49**
Colorado	33	12,451	.61	.49	10.06	143.7	35.77
Gunnison	33	12,451	.61	.49	10.06	143.7	35.77
Pennsylvania	673	13,153	1.64	1.25	7.13	150.8	39.67
Greene	673	13,153	1.64	1.25	7.13	150.8	39.67
Wisconsin Power & Light Co Columbia	**4,572**	**8,496**	**.41**	**.48**	**5.76**	**95.1**	**16.16**
Montana	661	8,797	.76	.87	8.27	100.7	17.71
Rosebud	661	8,797	.76	.87	8.27	100.7	17.71
Wyoming	3,911	8,446	.35	.41	5.33	94.1	15.90
Campbell	3,911	8,446	.35	.41	5.33	94.1	15.90
Wisconsin Power & Light Co Edgewater	**2,884**	**8,656**	**.35**	**.41**	**5.36**	**119.9**	**20.76**
Wyoming	2,884	8,656	.35	.41	5.36	119.9	20.76
Campbell	2,720	8,528	.34	.40	5.33	117.6	20.07
Carbon	164	10,783	.62	.58	5.86	149.6	32.26
Wisconsin Power & Light Co Nelson Dewey	**540**	**9,447**	**.37**	**.39**	**4.34**	**121.5**	**22.95**

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, 1998 (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							
Illinois	24	12,075	0.90	0.74	5.52	145.5	35.15
Jefferson	24	12,075	.90	.74	5.52	145.5	35.15
Montana	516	9,323	.34	.37	4.28	120.0	22.38
Big Horn	516	9,323	.34	.37	4.28	120.0	22.38
Wisconsin Power & Light Co Rock River	**370**	**9,635**	**.40**	**.42**	**4.41**	**127.5**	**24.57**
Illinois	38	12,137	.82	.67	5.73	167.4	40.64
Jefferson	38	12,137	.82	.67	5.73	167.4	40.64
Montana	332	9,346	.36	.38	4.25	121.5	22.72
Big Horn	332	9,346	.36	.38	4.25	121.5	22.72
Wisconsin Public Service Corp Pulliam	**1,479**	**8,866**	**.19**	**.22**	**4.39**	**97.2**	**17.23**
Wyoming	1,479	8,866	.19	.22	4.39	97.2	17.23
Campbell	1,479	8,866	.19	.22	4.39	97.2	17.23
Wisconsin Public Service Corp Weston	**2,086**	**8,831**	**.26**	**.29**	**4.75**	**107.5**	**18.99**
Wyoming	2,086	8,831	.26	.29	4.75	107.5	18.99
Campbell	2,086	8,831	.26	.29	4.75	107.5	18.99
Wyandotte Municipal Serv Comm Wyandotte	**111**	**12,506**	**1.13**	**.90**	**11.06**	**141.6**	**35.41**
Ohio	14	12,416	2.29	1.84	10.47	148.7	36.93
Stark	7	12,167	2.43	2.00	10.17	149.5	36.38
Tuscarawas	7	12,679	2.14	1.69	10.79	147.9	37.50
West Virginia	96	12,536	.96	.76	11.14	140.6	35.24
Boone	4	12,457	.97	.78	11.89	153.4	38.23
Clay	43	12,608	1.26	1.00	10.71	137.3	34.62
Kanawha	49	12,478	.69	.55	11.46	142.5	35.56
Wyoming	*	8,852	.32	.36	11.96	126.9	22.47
Campbell	*	8,852	.32	.36	11.96	126.9	22.47
Total	**929,448**	**10,241**	**1.06**	**1.04**	**9.18**	**125.2**	**25.64**

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 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Approximatley 90 percnt of the coal delivered to the Cora facility is transferred to the Allen plant. Most of the remaining coal is transferred to the Paradise plant. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 60 percent of the coal delivered to the GRT facility is later delivered to the Gallatin plant. Widdows Creek, Johnsonville, Paradise, and Cumberland each receive approximately 8 percent. Colbert and Shawnee each receive approximately 4 percent. All coal delivered to GRT is shown in this report as being delivered to Tennessee.

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

* = Number less than 0.5.

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

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

Fossil-Fuel Data at the Electric Utility and Plant Level

Table 25. The Top 20 Electric Utilities, Ranked by Receipts of Coal, 1998

Electric Utility	Receipts (thousand short tons)	Average Delivered Cost		Total Coal Bill (million dollars)
		(cents per million Btu)	(dollars per short ton)	
1. Tennessee Valley Authority	42,422	112.2	26.00	1,103.1
2. Texas Utilities Electric Co	33,280	102.0	13.44	447.4
3. PacifiCorp	31,484	100.1	18.83	592.8
4. Georgia Power Co	30,903	154.8	36.40	1,125.0
5. Alabama Power Co	23,958	168.3	38.28	917.1
6. Detroit Edison Co	22,811	128.7	26.61	606.9
7. Houston Lighting & Power Co	20,141	145.4	22.35	450.2
8. Pennsylvania Electric Co	19,091	118.1	28.59	545.9
9. Union Electric Co	17,617	95.5	17.08	301.0
10. Basin Electric Power Coop	17,198	59.8	8.90	153.0
11. PSI Energy Inc	16,331	109.9	24.44	399.1
12. Duke Power Co	16,299	140.5	34.96	569.8
13. Commonwealth Edison Co	15,626	222.6	39.43	616.1
14. Ohio Power Co	14,258	168.3	39.40	561.8
15 Virginia Electric & Power	14,082	129.2	32.18	453.2
16. Northern States Power Co	13,406	104.2	18.36	246.2
17. Southwestern Electric Power	12,736	142.1	22.48	286.3
18. Appalachian Power Co	12,419	139.0	34.04	422.7
19. Carolina Power & Light	12,369	148.4	36.63	453.1
20. Arizona Public Service Co	12,145	113.3	20.76	252.1

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

Table 26. The Top 20 Electric Utilities, Ranked by Receipts of Petroleum, 1998

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	40,910	207.7	13.18	539.1
2. Florida Power Corp	10,768	189.8	12.35	133.0
3. Connecticut Light & Power Co	9,908	218.6	13.98	138.6
4. Canal Electric Co	9,870	185.1	11.77	116.2
5. Mississippi Power & Light	8,342	198.7	13.14	109.6
6. Long Island Lighting Co	7,456	188.5	12.05	89.8
7. Hawaiian Electric Co Inc	6,916	261.5	16.39	113.3
8. Jacksonville Electric Auth	5,579	205.3	13.01	72.6
9. Central Hudson Gas & Elec Corp	5,091	188.5	11.96	60.9
10. Consolidated Edison Co-NY Inc	4,804	219.1	13.71	65.9
11. Virginia Electric & Power Co	4,530	203.8	12.86	58.2
12. United Illuminating Co	4,284	219.0	13.96	59.8
13. Potomac Electric Power	4,067	220.0	13.81	56.2
14. Pennsylvania Power & Light Co	3,830	210.7	13.30	50.9
15. Central Maine Power Co	3,204	202.1	12.84	41.1
16. New England Power Co	3,119	198.8	12.63	39.4
17. Niagara Mohawk Power Corp	2,888	234.3	14.83	42.8
18. Philadelphia Electric Co	2,782	231.7	14.70	40.9
19. Public Service Co of NH	2,427	187.2	11.94	29.0
20. Boston Edison Co	2,201	205.7	13.10	28.8

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

Table 27. The Top 20 Electric Utilities, Ranked by Receipts of Gas, 1998

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	413,551	239.5	2.45	1,011.2
2. Houston Lighting & Power Co	233,231	213.3	2.19	511.5
3. Gulf States Utilities Co	191,327	225.7	2.35	450.3
4. Florida Power & Light Co	189,533	276.3	2.91	551.7
5. Central Power & Light Co	132,695	209.8	2.16	286.1
6. Louisiana Power & Light Co	128,961	237.7	2.48	319.4
7. Pacific Gas & Electric Co	122,501	256.7	2.64	323.9
8. Consolidated Edison Co-NY Inc	88,847	233.7	2.41	213.8
9. Southwestern Public Service	79,274	218.2	2.19	173.6
10. Oklahoma Gas & Electric Co	79,104	252.8	2.62	207.3
11. Public Service Co of Oklahoma	77,826	235.8	2.41	187.9
12. San Diego Gas & Electric Co	56,153	275.3	2.78	156.1
13. Long Island Lighting Co	55,513	249.0	2.55	141.8
14. San Antonio City Pub Service	54,254	224.4	2.28	123.7
15. Commonwealth Edison Co	48,140	220.0	2.24	107.9
16. Southwestern Electric Power	38,855	220.5	2.26	87.8
17. Lower Colorado River Auth	37,692	205.6	2.09	78.7
18. West Texas Utilities Co	36,685	221.3	2.25	82.4
19. Central Louisiana Electric	34,407	217.9	2.28	78.5
20. City of Austin	34,231	233.9	2.38	81.6

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

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

Table 28. Receipts of Petroleum Coke by Electric Utility, 1998

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	18	14,118	4.50	0.51	70.3	19.84
Central Power & Light Co	35	14,284	4.83	.48	74.5	21.28
Cincinnati Gas & Electric Co	62	14,085	5.40	.42	55.1	15.52
IES Utilities	70	14,111	5.56	.50	72.5	20.46
Illinois Power Co	73	14,040	4.67	.35	79.9	22.43
Indianapolis Power & Light Co	11	13,972	3.92	.25	47.6	13.30
Jacksonville Electric Authority	873	14,207	5.38	.41	55.1	15.66
Lakeland Dept of Water and Elec	28	14,386	4.20	.40	88.9	25.58
Manitowoc Public Utilities	45	14,227	5.54	.83	67.2	19.13
Michigan South Central Power	73	14,149	4.40	.22	99.9	28.27
Northern Indiana Pub Serv Co	92	13,974	4.69	.38	70.9	19.82
Northern States Power Co	238	14,069	5.65	.60	63.7	17.94
Ohio Edison Co	27	14,056	5.52	.96	51.9	14.59
Pennsylvania Power & Light Co	235	14,027	5.49	.82	74.7	20.95
PSI Energy Inc	19	13,985	4.71	1.28	79.5	22.24
San Antonio City of	172	18,673	2.99	1.05	64.0	23.90
Seminole Electric Coop Inc	211	14,118	4.74	.42	89.8	25.35
Tampa Electric Co	163	14,175	5.43	.36	44.4	12.58
UtiliCorp United Inc	56	14,030	5.65	.81	58.6	16.44
Wisconsin Electric Power Co	61	14,066	4.51	.47	77.6	21.82
Total	**3,217**	**14,286**	**5.03**	**1.15**	**71.2**	**20.36**

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, 1998

Company	Receipts (thousand barrels)	Average Quality		Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
Atlantic City Electric Co	339	151,036	0.69	237.4	15.06
Baltimore Gas & Electric Co	1,878	151,501	.97	207.3	13.19
Boston Edison Co	2,186	151,703	.91	204.8	13.05
Cambridge Electric Light Co	141	149,994	.38	260.4	16.41
Canal Electric Co	9,870	151,463	.93	185.1	11.77
Central Hudson Gas & Elec Corp	5,091	151,084	1.20	188.5	11.96
Central Illinois Pub Serv Co	179	150,105	.29	282.1	17.79
Central Maine Power Co	3,197	151,264	1.25	202.0	12.83
Commonwealth Edison Co	644	152,506	.69	241.4	15.46
Connecticut Light & Power Co	9,892	152,320	.71	218.4	13.97
Consolidated Edison Co-NY Inc	4,804	148,990	.27	219.1	13.71
Consumers Power Co	1,254	153,687	.94	249.4	16.10
Delmarva Power & Light Co	2,206	151,880	.95	203.1	12.96
Detroit City of	178	146,436	.75	391.4	24.07
Detroit Edison Co	354	145,073	.64	281.0	17.12
Dover City of	300	151,180	.85	227.3	14.43
Florida Power & Light Co	40,878	151,055	1.39	207.7	13.17
Florida Power Corp	10,658	155,114	1.72	188.4	12.27
Gainesville Regional Utilities	85	152,135	1.53	268.9	17.18
Gulf States Utilities Co	339	150,283	.25	185.7	11.72
Hawaiian Electric Co Inc	6,912	149,211	.45	261.4	16.38
Illinois Power Co	132	149,710	.83	323.4	20.34
Jacksonville Electric Auth	5,450	151,119	1.48	202.6	12.86
Kansas Gas & Electric Co	82	157,358	1.08	153.7	10.16
Lake Worth City of	2	146,555	2.02	419.0	25.79
Lakeland City of	209	148,446	2.03	231.2	14.41
Long Island Lighting Co	7,442	152,143	.90	188.4	12.04
Louisiana Power & Light Co	263	154,396	1.00	230.1	14.92
Mississippi Power & Light Co	8,307	157,497	2.82	198.1	13.11
Montaup Electric Co	149	150,117	.95	197.6	12.46
New England Power Co	3,119	151,308	1.44	198.8	12.63
New Orleans Public Service Inc	588	156,377	1.50	226.2	14.86
Niagara Mohawk Power Corp	2,864	150,809	1.09	233.5	14.79
Orange & Rockland Utils Inc	1,659	149,425	.31	203.4	12.77
Orlando Utilities Comm	1,357	151,226	1.02	222.9	14.16
Pennsylvania Power & Light Co	3,483	151,421	.94	202.1	12.85
Philadelphia Electric Co	2,603	151,845	.48	228.3	14.56
Potomac Electric Power Co	3,390	150,940	.87	211.4	13.40
Power Authority of State of NY	1,969	149,401	.28	219.1	13.75
Public Service Co of NH	2,400	152,005	1.56	185.9	11.87
Public Service Electric&Gas Co	277	149,798	.30	272.4	17.14
Southwestern Electric Power Co	11	147,431	.00	270.3	16.74
St Joseph Light & Power Co	53	154,155	1.48	179.1	11.60
Tampa Electric Co	358	148,209	.59	222.2	13.83
Taunton City of	86	151,888	1.00	216.7	13.82
United Illuminating Co	4,248	151,860	.95	218.2	13.92
Vineland City of	49	153,043	.83	215.2	13.83
Virginia Electric & Power Co	4,281	150,796	1.16	196.7	12.46
Western Massachusetts Elec Co	145	150,912	.62	267.8	16.97
Total	**156,362**	**151,754**	**1.19**	**207.7**	**13.24**

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, 1998

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	**570**	**11,943**	**1.84**	**12.04**	**135.2**	**32.29**	**939**	**12,176**	**2.30**	**10.47**	**132.7**	**32.32**
Lowman (AL)	570	11,943	1.84	12.04	135.2	32.29	939	12,176	2.30	10.47	132.7	32.32
Alabama Power Co[1]	**22,313**	**11,295**	**.87**	**10.19**	**170.2**	**38.44**	**1,645**	**12,443**	**1.10**	**10.81**	**144.8**	**36.04**
Barry (AL)	2,916	12,209	.71	12.48	204.0	49.81	402	12,467	.79	8.22	148.3	36.98
Gadsden (AL)	231	12,721	1.89	12.22	157.8	40.13	2	12,235	.80	13.77	175.6	42.97
Gorgas 2 and 3 (AL)	4,449	12,176	1.62	13.04	166.3	40.50	—	—	—	—	—	—
Greene (AL)	1,499	12,063	1.77	12.56	122.4	29.53	60	11,969	2.22	11.95	125.6	30.06
Gaston (AL)	3,405	12,456	.89	11.80	188.2	46.88	1,128	12,491	1.18	11.83	142.0	35.49
James Miller (AL)	9,813	10,071	.41	7.25	161.5	32.53	53	11,782	.63	7.28	200.3	47.20
American Mun Power Ohio Inc	**—**	**—**	**—**	**—**	**—**	**—**	**826**	**11,589**	**5.18**	**15.05**	**83.5**	**19.35**
Gorsuch (OH)	—	—	—	—	—	—	826	11,589	5.18	15.05	83.5	19.35
Ames City of	**231**	**8,871**	**.18**	**4.27**	**145.8**	**25.86**	**—**	**—**	**—**	**—**	**—**	**—**
Ames (IA)	231	8,871	.18	4.27	145.8	25.86	—	—	—	—	—	—
Appalachian Power Co	**10,288**	**12,259**	**.75**	**11.83**	**145.0**	**35.54**	**2,131**	**12,190**	**.77**	**12.58**	**109.8**	**26.77**
Clinch River (VA)	1,399	12,300	.74	14.19	134.2	33.02	491	12,634	.78	12.65	117.1	29.60
Glen Lyn (VA)	544	12,872	.91	9.80	139.3	35.87	171	12,578	.82	10.19	133.1	33.49
Amos (WV)	5,304	12,202	.78	11.55	146.4	35.74	727	11,944	.76	12.70	103.7	24.77
Kanawha River (WV)	479	12,540	.84	11.11	164.9	41.37	538	12,001	.79	13.20	101.0	24.25
Mountaineer (WV)	2,561	12,172	.65	11.71	145.2	35.35	204	12,171	.67	12.30	115.6	28.15
Arizona Electric Pwr Coop Inc	**877**	**9,812**	**.44**	**14.45**	**113.6**	**22.30**	**483**	**9,315**	**.76**	**16.34**	**114.8**	**21.38**
Apache (AZ)	877	9,812	.44	14.45	113.6	22.30	483	9,315	.76	16.34	114.8	21.38
Arizona Public Service Co	**10,409**	**9,111**	**.70**	**20.00**	**115.1**	**20.97**	**1,736**	**9,473**	**.45**	**14.13**	**102.9**	**19.50**
Cholla (AZ)	2,115	9,893	.43	14.14	164.6	32.57	1,736	9,473	.45	14.13	102.9	19.50
Four Corners (NM)	8,294	8,911	.76	21.50	101.0	18.01	—	—	—	—	—	—
Arkansas Power & Light Co	**11,667**	**8,709**	**.28**	**4.92**	**149.1**	**25.97**	**—**	**—**	**—**	**—**	**—**	**—**
Whitebluff (AR)	5,935	8,608	.34	5.17	159.0	27.37	—	—	—	—	—	—
Independence (AR)	5,732	8,813	.22	4.66	139.1	24.52	—	—	—	—	—	—
Associated Electric Coop Inc	**9,376**	**8,831**	**.19**	**4.38**	**85.0**	**15.01**	**—**	**—**	**—**	**—**	**—**	**—**
Madrid (MO)	4,717	8,827	.19	4.39	95.9	16.94	—	—	—	—	—	—
Hill (MO)	4,659	8,835	.19	4.37	73.9	13.06	—	—	—	—	—	—
Atlantic City Electric Co	**624**	**12,766**	**1.98**	**10.35**	**187.4**	**47.85**	**51**	**13,265**	**2.13**	**6.47**	**155.8**	**41.33**
England (NJ)	455	12,735	2.38	10.20	184.5	47.00	51	13,265	2.13	6.47	155.8	41.33
Deepwater (NJ)	170	12,852	.91	10.74	194.9	50.11	—	—	—	—	—	—
Baltimore Gas & Electric Co	**4,974**	**12,783**	**.88**	**9.94**	**140.0**	**35.78**	**84**	**12,727**	**.80**	**12.17**	**134.3**	**34.19**
Brandon Shores (MD)	3,226	12,616	.70	10.71	140.0	35.33	29	12,450	.64	17.55	125.7	31.29
Crane (MD)	745	13,300	1.67	7.58	139.6	37.13	—	—	—	—	—	—
Wagner (MD)	1,003	12,937	.85	9.24	140.0	36.24	55	12,874	.89	9.33	138.7	35.71
Basin Electric Power Coop	**17,198**	**7,433**	**.56**	**6.82**	**59.8**	**8.90**	**—**	**—**	**—**	**—**	**—**	**—**
Leland Olds (ND)	3,597	6,723	.73	7.40	78.6	10.57	—	—	—	—	—	—
Laramie River (WY)	7,845	8,401	.39	5.08	45.6	7.67	—	—	—	—	—	—
Antelope Valley (ND)	5,755	6,556	.69	8.82	72.6	9.52	—	—	—	—	—	—
Big Rivers Electric Corp	**844**	**11,213**	**3.42**	**14.43**	**92.3**	**20.71**	**2,178**	**11,242**	**2.77**	**13.26**	**98.7**	**22.20**
Coleman (KY)	—	—	—	—	—	—	662	11,356	1.49	13.01	108.8	24.72
Reid-Henderson (KY)	145	11,449	2.49	8.70	106.2	24.31	446	11,797	3.03	10.53	98.8	23.30
R D Green (KY)	385	11,092	3.63	15.90	87.4	19.40	519	10,404	3.39	17.33	90.5	18.84
Wilson (KY)	314	11,252	3.59	15.29	91.8	20.65	551	11,447	3.51	11.93	93.6	21.44
Black Hills Corp	**518**	**8,046**	**.66**	**6.98**	**45.9**	**7.39**	**—**	**—**	**—**	**—**	**—**	**—**
Neal Simpson II (WY)	518	8,046	.66	6.98	45.9	7.39	—	—	—	—	—	—
Cajun Electric Power Coop Inc	**6,347**	**8,432**	**.45**	**5.38**	**145.9**	**24.61**	**383**	**9,655**	**.16**	**2.43**	**179.3**	**34.62**
Big Cajun No.2 (LA)	6,347	8,432	.45	5.38	145.9	24.61	383	9,655	.16	2.43	179.3	34.62

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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)
Cardinal Operating Co	**4,027**	**12,247**	**1.61**	**12.04**	**163.5**	**40.06**	**376**	**12,351**	**2.57**	**10.42**	**101.5**	**25.06**
Cardinal (OH)	4,027	12,247	1.61	12.04	163.5	40.06	376	12,351	2.57	10.42	101.5	25.06
Carolina Power & Light Co	**10,757**	**12,384**	**.89**	**11.09**	**150.1**	**37.19**	**1,612**	**12,055**	**1.04**	**12.80**	**136.7**	**32.95**
Asheville (NC)	750	12,602	1.01	11.79	146.7	36.98	256	12,383	1.03	11.80	133.3	33.00
Cape Fear (NC)	782	12,314	.95	10.60	148.0	36.45	17	11,109	1.01	18.16	136.2	30.25
Lee (NC)	635	12,346	.94	10.39	154.6	38.17	130	12,358	.93	11.92	143.8	35.54
Roxboro (NC)	5,296	12,362	.91	11.18	149.1	36.87	531	11,918	.93	12.84	133.3	31.78
Sutton (NC)	889	12,681	.98	9.85	153.3	38.87	416	12,044	1.03	13.09	138.0	33.24
Weatherspoon (NC)	301	12,853	.92	9.55	163.8	42.12	22	12,317	1.03	11.09	146.7	36.13
Robinson (SC)	224	12,571	1.17	10.33	157.0	39.46	191	11,693	1.51	14.45	140.4	32.84
Mayo (NC)	1,879	12,165	.69	11.90	149.1	36.28	47	12,773	.73	9.86	141.6	36.17
Cedar Falls City of	**—**	**—**	**—**	**—**	**—**	**—**	**25**	**12,824**	**2.73**	**8.57**	**141.7**	**36.34**
Streeter (IA)	—	—	—	—	—	—	25	12,824	2.73	8.57	141.7	36.34
Central Electric Pwr Coop-MO	**—**	**—**	**—**	**—**	**—**	**—**	**151**	**10,914**	**2.71**	**8.52**	**129.3**	**28.22**
Chamois (MO)	—	—	—	—	—	—	151	10,914	2.71	8.52	129.3	28.22
Central Hudson Gas & Elec Corp	**818**	**13,061**	**.65**	**7.83**	**170.3**	**44.49**	**172**	**12,781**	**.63**	**6.65**	**156.8**	**40.07**
Danskammer (NY)	818	13,061	.65	7.83	170.3	44.49	172	12,781	.63	6.65	156.8	40.07
Central Illinois Light Co	**1,360**	**11,033**	**2.46**	**7.63**	**160.6**	**35.44**	**1,538**	**10,762**	**2.59**	**8.68**	**128.3**	**27.62**
Edwards (IL)	596	11,497	1.04	6.55	130.4	29.99	1,083	10,725	2.64	8.76	124.9	26.78
Duck Creek (IL)	764	10,671	3.57	8.48	185.9	39.69	455	10,849	2.47	8.49	136.5	29.61
Central Illinois Pub Serv Co	**3,561**	**10,615**	**1.12**	**8.41**	**159.6**	**33.87**	**2,657**	**9,561**	**.80**	**6.19**	**113.3**	**21.66**
Coffeen (IL)	2,029	10,238	1.07	8.59	169.2	34.65	—	—	—	—	—	—
Grand Tower (IL)	—	—	—	—	—	—	334	11,062	3.02	10.37	98.1	21.70
Hutsonville (IL)	125	11,000	2.81	9.00	108.1	23.77	94	11,380	2.50	8.23	109.0	24.80
Meredosia (IL)	307	11,304	2.67	6.34	119.8	27.09	263	10,284	1.38	8.50	139.9	28.77
Newton (IL)	1,100	11,074	.60	8.57	160.2	35.48	1,966	9,123	.26	5.07	112.7	20.56
Central Iowa Power Coop	**147**	**11,450**	**2.87**	**9.24**	**115.1**	**26.35**	**—**	**—**	**—**	**—**	**—**	**—**
Fair Station (IA)	147	11,450	2.87	9.24	115.1	26.35	—	—	—	—	—	—
Central Louisiana Elec Co Inc	**5,172**	**7,326**	**.79**	**12.07**	**137.7**	**20.17**	**—**	**—**	**—**	**—**	**—**	**—**
Dolet Hills (LA)	3,555	6,760	.92	14.27	136.8	18.49	—	—	—	—	—	—
Rodemacher (LA)	1,617	8,571	.51	7.25	139.2	23.86	—	—	—	—	—	—
Central Operating Co	**1,546**	**12,229**	**1.45**	**12.74**	**134.8**	**32.98**	**941**	**12,040**	**1.57**	**13.27**	**102.0**	**24.55**
Sporn (WV)	1,546	12,229	1.45	12.74	134.8	32.98	941	12,040	1.57	13.27	102.0	24.55
Central Power & Light Co	**914**	**10,411**	**.36**	**5.85**	**140.2**	**29.20**	**1,585**	**9,476**	**.38**	**5.54**	**138.8**	**26.31**
Coleto Creek (TX)	914	10,411	.36	5.85	140.2	29.20	1,585	9,476	.38	5.54	138.8	26.31
Cincinnati Gas & Electric Co	**6,517**	**12,154**	**2.48**	**10.15**	**113.4**	**27.56**	**5,046**	**11,912**	**1.83**	**12.58**	**108.0**	**25.73**
Beckjord (OH)	1,521	12,222	1.24	10.31	117.0	28.59	1,642	11,830	1.33	12.79	110.0	26.02
Miami Fort (OH)	1,255	12,238	1.01	11.38	132.9	32.53	1,737	11,764	1.21	13.68	113.3	26.67
East Bend (KY)	428	12,218	1.83	10.05	117.3	28.66	1,269	12,091	2.83	11.63	100.6	24.33
Zimmer (OH)	3,313	12,083	3.69	9.62	103.7	25.06	398	12,321	3.43	10.03	100.9	24.86
Cleveland Electric Illum Co	**2,650**	**12,934**	**2.05**	**8.67**	**131.6**	**34.05**	**1,733**	**12,775**	**1.61**	**8.44**	**148.1**	**37.84**
Ashtabula (OH)	294	12,540	3.97	9.20	100.8	25.27	51	13,145	2.15	7.98	116.5	30.63
Avon Lake (OH)	848	12,964	.74	9.29	149.8	38.84	485	12,128	1.16	9.89	124.3	30.15
Eastlake (OH)	1,508	12,994	2.41	8.22	127.2	33.07	1,065	13,022	1.90	8.05	159.0	41.41
Lake Shore (OH)	—	—	—	—	—	—	132	13,016	.71	6.38	154.2	40.13
Colorado Springs City of	**1,579**	**10,556**	**.40**	**7.09**	**127.6**	**26.93**	**11**	**12,211**	**.53**	**15.23**	**126.9**	**30.99**
Drake (CO)	761	10,438	.36	5.90	168.2	35.11	11	12,211	.53	15.23	126.9	30.99
Nixon (CO)	818	10,667	.43	8.20	90.6	19.33	—	—	—	—	—	—
Columbia City of	**28**	**13,193**	**1.19**	**7.50**	**202.2**	**53.36**	**—**	**—**	**—**	**—**	**—**	**—**
Columbia (MO)	28	13,193	1.19	7.50	202.2	53.36	—	—	—	—	—	—

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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	**3,367**	**11,956**	**2.69**	**8.60**	**152.1**	**36.38**	**999**	**11,753**	**3.00**	**11.48**	**97.0**	**22.80**
Conesville (OH)	3,286	11,969	2.68	8.56	153.3	36.70	923	11,767	2.99	11.64	96.4	22.68
Picway (OH)	81	11,438	3.40	10.20	102.0	23.32	77	11,585	3.18	9.53	104.6	24.24
Commonwealth Edison Co	**14,242**	**8,844**	**.32**	**5.00**	**233.0**	**41.21**	**1,384**	**8,978**	**.67**	**5.70**	**117.3**	**21.07**
Crawford (IL)	25	8,644	.20	4.44	131.3	22.69	—	—	—	—	—	—
Joliet (IL)	3,324	8,742	.36	5.62	306.1	53.52	439	8,750	.37	5.42	123.7	21.66
Kincaid (IL)	219	11,381	.32	7.66	220.8	50.26	142	11,019	2.60	7.95	111.7	24.62
Powerton (IL)	3,285	8,724	.24	4.64	204.4	35.67	285	8,800	.45	5.12	132.7	23.36
Waukegan (IL)	2,100	8,701	.44	5.42	229.2	39.89	436	8,714	.53	5.69	109.0	19.00
Will County (IL)	5,289	8,935	.30	4.57	207.9	37.15	82	8,679	.45	5.40	85.3	14.81
Consumers Power Co	**4,936**	**11,496**	**.67**	**9.53**	**152.5**	**35.06**	**3,459**	**10,538**	**.68**	**7.98**	**128.1**	**26.99**
Cobb (MI)	585	9,170	.44	6.12	116.6	21.39	577	10,646	.88	7.05	125.0	26.62
Karn-Weadock (MI)	588	12,176	.80	11.78	156.4	38.10	364	12,204	.91	10.99	146.4	35.74
Campbell (MI)	2,486	12,176	.69	9.79	163.2	39.74	1,574	10,024	.56	7.28	124.6	24.98
Weadock (MI)	849	10,403	.61	8.57	133.9	27.85	520	9,676	.51	6.96	115.0	22.25
Whiting (MI)	427	11,954	.79	11.49	153.5	36.69	424	11,926	.88	10.54	139.6	33.29
Coop Power Assn	**7,046**	**6,246**	**.68**	**11.05**	**81.1**	**10.13**	**—**	**—**	**—**	**—**	**—**	**—**
Coal Creek (ND)	7,046	6,246	.68	11.05	81.1	10.13	—	—	—	—	—	—
Dairyland Power Coop	**1,789**	**8,804**	**.19**	**4.38**	**100.3**	**17.66**	**765**	**11,946**	**.92**	**6.12**	**133.8**	**31.97**
Alma-Madgett (WI)	1,408	8,775	.19	4.42	97.0	17.03	265	11,788	.97	7.16	134.5	31.70
Genoa No.3 (WI)	381	8,913	.18	4.22	112.1	19.99	500	12,030	.89	5.57	133.5	32.11
Dayton Power & Light Co	**5,738**	**11,781**	**.79**	**14.11**	**132.0**	**31.10**	**2,628**	**11,402**	**.79**	**14.41**	**110.4**	**25.18**
Hutchings (OH)	—	—	—	—	—	—	369	12,539	.83	11.83	137.6	34.49
Stuart (OH)	4,436	11,698	.83	14.14	131.0	30.65	1,527	11,033	.86	15.65	101.9	22.49
Killen (OH)	1,302	12,067	.63	14.02	135.3	32.64	732	11,599	.63	13.13	112.5	26.10
Delmarva Power & Light Co	**1,698**	**12,984**	**.98**	**8.87**	**156.4**	**40.62**	**46**	**12,139**	**.82**	**11.01**	**151.3**	**36.73**
Edgemoor (DE)	505	12,712	.73	10.24	159.6	40.57	33	12,026	.82	10.75	147.6	35.51
Indian River (DE)	1,193	13,099	1.09	8.30	155.1	40.64	14	12,414	.82	11.65	159.8	39.67
Deseret Generation & Tran Coop	**1,723**	**10,149**	**.43**	**10.24**	**193.2**	**39.22**	**—**	**—**	**—**	**—**	**—**	**—**
Bonanza (UT)	1,723	10,149	.43	10.24	193.2	39.22	—	—	—	—	—	—
Detroit Edison Co	**17,991**	**9,724**	**.45**	**4.93**	**128.9**	**25.06**	**4,820**	**12,637**	**1.43**	**6.99**	**128.0**	**32.36**
Harbor Beach (MI)	13	12,860	.85	8.40	150.6	38.73	138	13,398	.81	7.14	152.0	40.72
Marysville (MI)	12	12,932	.79	8.10	145.8	37.71	71	13,192	.74	8.27	149.5	39.44
Monroe (MI)	6,660	9,978	.56	5.64	108.8	21.71	2,459	13,015	1.31	7.32	128.1	33.34
River Rouge (MI)	1,159	9,886	.49	5.98	109.6	21.67	424	13,053	.95	7.90	135.0	35.24
St Clair (MI)	4,374	9,476	.35	4.23	151.7	28.75	979	12,071	2.34	6.54	122.0	29.45
Trenton Channel (MI)	1,576	9,831	.50	4.93	107.7	21.18	479	13,015	1.47	6.81	128.7	33.51
Belle River (MI)	4,197	9,476	.35	4.23	152.2	28.85	270	9,397	.34	4.09	112.7	21.18
Duke Power Co	**10,593**	**12,446**	**.82**	**9.81**	**143.7**	**35.76**	**5,706**	**12,423**	**1.01**	**10.20**	**134.7**	**33.47**
Allen (NC)	1,341	12,541	.72	9.91	143.2	35.90	418	12,505	.95	10.62	134.6	33.66
Buck (NC)	262	12,097	.94	11.25	146.9	35.54	408	11,781	1.04	14.38	137.5	32.41
Cliffside (NC)	792	12,721	.85	7.97	133.6	34.00	797	12,579	.98	8.81	134.9	33.94
Dan River (NC)	85	12,319	.86	10.95	144.1	35.51	307	12,456	1.09	10.32	137.5	34.26
Marshall (NC)	2,382	12,266	.94	10.47	132.6	32.52	2,292	12,484	1.03	9.91	130.6	32.61
Riverbend (NC)	131	12,659	.98	8.96	136.5	34.55	658	12,351	.99	10.05	136.6	33.75
Lee (SC)	117	12,701	.85	8.44	143.8	36.54	318	12,472	.90	9.38	146.6	36.57
Belews Creek (NC)	5,483	12,469	.78	9.73	150.1	37.42	508	12,396	1.10	10.62	139.4	34.57
Duquesne Light Co	**959**	**12,528**	**1.76**	**10.97**	**234.8**	**58.83**	**1,132**	**12,723**	**2.18**	**10.38**	**103.1**	**26.23**
Elrama (PA)	460	12,252	1.86	12.83	354.4	86.85	661	12,391	2.20	11.93	105.4	26.12
Cheswick (PA)	499	12,783	1.66	9.25	129.1	33.01	471	13,191	2.15	8.20	100.0	26.38
East Kentucky Power Coop Inc	**2,236**	**12,325**	**.82**	**10.86**	**113.9**	**28.09**	**1,517**	**12,331**	**.87**	**9.97**	**114.0**	**28.12**
Cooper (KY)	459	12,271	1.14	9.90	114.2	28.03	324	12,447	1.25	9.31	111.9	27.87

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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												
Dale (KY)	213	12,392	0.80	9.12	112.7	27.94	254	12,280	0.90	9.79	112.7	27.69
Spurlock (KY)	1,564	12,332	.72	11.37	114.0	28.13	939	12,305	.73	10.26	115.1	28.32
Electric Energy Inc	**5,191**	**8,737**	**.22**	**4.48**	**83.3**	**14.55**	**—**	**—**	**—**	**—**	**—**	**—**
Joppa (IL)	5,191	8,737	.22	4.48	83.3	14.55	—	—	—	—	—	—
Empire District Electric Co	**1,197**	**9,189**	**.55**	**5.27**	**106.0**	**19.47**	**15**	**11,500**	**3.25**	**13.00**	**169.3**	**38.94**
Riverton (KS)	318	9,654	.93	6.05	116.6	22.52	—	—	—	—	—	—
Asbury (MO)	878	9,020	.41	4.99	101.8	18.37	15	11,500	3.25	13.00	169.3	38.94
Florida Power Corp[2]	**3,646**	**12,568**	**.80**	**9.26**	**177.4**	**44.60**	**1,947**	**12,658**	**.90**	**8.77**	**164.9**	**41.74**
Crystal River (FL)	2,304	12,599	.86	8.95	178.2	44.90	1,230	12,724	1.02	8.41	164.8	41.94
IMT Transfer (LA)	1,342	12,516	.69	9.79	176.0	44.07	717	12,544	.68	9.39	164.9	41.38
Fremont City of	**211**	**8,510**	**.27**	**4.60**	**89.9**	**15.29**	**24**	**9,556**	**.40**	**4.81**	**111.2**	**21.25**
Wright (NE)	211	8,510	.27	4.60	89.9	15.29	24	9,556	.40	4.81	111.2	21.25
Gainesville Regional Utilities	**584**	**13,097**	**.66**	**7.29**	**165.8**	**43.42**	**55**	**13,110**	**.69**	**6.67**	**165.8**	**43.48**
Deerhaven (FL)	584	13,097	.66	7.29	165.8	43.42	55	13,110	.69	6.67	165.8	43.48
Georgia Power Co	**15,589**	**12,558**	**.90**	**10.05**	**158.9**	**39.91**	**15,315**	**10,938**	**.79**	**8.50**	**150.1**	**32.83**
Arkwright (GA)	—	—	—	—	—	—	130	12,743	1.87	9.09	161.7	41.21
Atkinson-Mcdonough (GA)	1,139	12,825	.97	8.69	136.7	35.05	229	12,567	1.29	8.82	137.2	34.49
Bowen (GA)	6,337	12,474	.88	10.47	143.4	35.78	1,283	11,541	1.05	15.08	130.9	30.22
Hammond (GA)	918	12,816	.82	9.73	149.7	38.38	382	12,531	1.09	10.88	154.5	38.73
Harllee Branch (GA)	1,775	12,455	1.08	10.54	163.0	40.60	1,488	12,293	1.53	10.26	150.3	36.96
Mitchell (GA)	87	12,803	1.30	9.41	172.8	44.24	129	12,760	1.31	8.59	170.5	43.50
Yates (GA)	1,533	12,914	.88	9.55	152.6	39.43	668	12,678	1.37	9.93	154.6	39.20
Wansley (GA)	1,537	12,540	1.16	8.49	147.1	36.89	2,579	12,219	1.03	11.59	147.0	35.93
Scherer (GA)	2,263	12,392	.63	10.74	226.8	56.22	8,426	9,905	.45	6.01	153.7	30.44
Grand Haven City of	**120**	**11,025**	**2.33**	**10.54**	**138.2**	**30.47**	**58**	**12,915**	**2.49**	**8.65**	**141.5**	**36.56**
J B Simms (MI)	120	11,025	2.33	10.54	138.2	30.47	58	12,915	2.49	8.65	141.5	36.56
Grand Island City of	**406**	**8,721**	**.45**	**5.49**	**67.6**	**11.80**	**—**	**—**	**—**	**—**	**—**	**—**
Platte (NE)	406	8,721	.45	5.49	67.6	11.80	—	—	—	—	—	—
Grand River Dam Authority	**3,388**	**8,537**	**.42**	**5.01**	**87.7**	**14.98**	**506**	**8,353**	**.33**	**5.62**	**85.3**	**14.25**
GRDA No 1 (OK)	3,388	8,537	.42	5.01	87.7	14.98	506	8,353	.33	5.62	85.3	14.25
Gulf Power Co	**1,578**	**12,094**	**1.07**	**7.04**	**157.9**	**38.18**	**2,038**	**12,257**	**1.78**	**8.20**	**149.5**	**36.65**
Crist (FL)	1,521	12,097	1.08	7.04	158.2	38.29	951	12,372	.94	6.76	154.8	38.31
Scholtz (FL)	—	—	—	—	—	—	138	12,833	1.33	8.59	160.7	41.25
Smith (FL)	58	11,994	1.02	6.92	147.4	35.37	949	12,057	2.68	9.59	142.3	34.31
Gulf States Utilities Co	**2,141**	**8,691**	**.44**	**5.35**	**137.8**	**23.96**	**—**	**—**	**—**	**—**	**—**	**—**
Nelson (LA)	2,141	8,691	.44	5.35	137.8	23.96	—	—	—	—	—	—
Hamilton City of	**150**	**12,341**	**.72**	**10.03**	**140.9**	**34.79**	**15**	**11,932**	**.73**	**10.80**	**138.3**	**33.00**
Hamilton (OH)	150	12,341	.72	10.03	140.9	34.79	15	11,932	.73	10.80	138.3	33.00
Hastings City of	**103**	**8,898**	**.19**	**4.27**	**71.8**	**12.78**	**220**	**8,477**	**.37**	**5.10**	**59.6**	**10.10**
Hastings (NE)	103	8,898	.19	4.27	71.8	12.78	220	8,477	.37	5.10	59.6	10.10
Holland City of	**139**	**13,043**	**.86**	**6.07**	**174.0**	**45.39**	**37**	**12,295**	**.59**	**9.70**	**160.0**	**39.34**
James De Young (MI)	139	13,043	.86	6.07	174.0	45.39	37	12,295	.59	9.70	160.0	39.34
Holyoke Water Power Co	**344**	**13,165**	**1.08**	**7.18**	**178.0**	**46.86**	**36**	**12,795**	**.65**	**7.35**	**188.0**	**48.12**
Mount Tom (MA)	344	13,165	1.08	7.18	178.0	46.86	36	12,795	.65	7.35	188.0	48.12
Hoosier Energy R E C Inc	**3,826**	**10,967**	**2.84**	**10.56**	**126.5**	**27.75**	**149**	**11,103**	**2.85**	**10.00**	**95.0**	**21.09**
Frank E Ratts (IN)	739	11,093	1.27	8.37	133.7	29.66	—	—	—	—	—	—
Merom (IN)	3,087	10,937	3.22	11.09	124.7	27.29	149	11,103	2.85	10.00	95.0	21.09

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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)
Houston Lighting & Power Co	**17,983**	**7,568**	**0.68**	**11.03**	**149.8**	**22.67**	**2,158**	**8,683**	**0.40**	**5.17**	**113.4**	**19.70**
Limestone (TX)	8,708	6,467	.98	17.42	91.3	11.81	—	—	—	—	—	—
Parish (TX)	9,275	8,602	.39	5.04	191.1	32.87	2,158	8,683	.40	5.17	113.4	19.70
IES Utilities Co	**1,368**	**8,406**	**.35**	**6.08**	**102.8**	**17.28**	**3,996**	**8,436**	**.36**	**5.73**	**84.0**	**14.17**
6th St (IA)	33	10,191	.49	4.65	148.7	30.30	144	10,069	.43	4.65	143.2	28.83
Praire Creek (IA)	—	—	—	—	—	—	857	8,385	.34	5.92	85.1	14.26
Sutherland (IA)	—	—	—	—	—	—	526	8,343	.33	5.37	71.7	11.97
Burlington (IA)	6	11,431	.54	11.66	142.5	32.58	663	8,430	.46	5.23	83.5	14.08
Ottumwa (IA)	1,330	8,349	.34	6.09	101.2	16.90	1,806	8,360	.34	6.01	81.5	13.63
Illinois Power Co	**8,036**	**10,966**	**2.24**	**9.85**	**114.2**	**25.05**	**18**	**10,815**	**3.16**	**8.06**	**137.8**	**29.80**
Baldwin (IL)	4,964	10,742	2.85	10.22	105.8	22.72	—	—	—	—	—	—
Havana (IL)	916	11,631	.52	9.56	136.7	31.80	—	—	—	—	—	—
Hennepin (IL)	717	10,836	2.83	9.90	113.7	24.65	18	10,815	3.16	8.06	137.8	29.80
Vermilion (IL)	487	10,425	1.48	10.51	110.7	23.07	—	—	—	—	—	—
Wood River (IL)	952	11,864	.70	7.85	135.0	32.04	—	—	—	—	—	—
Independence City of	**99**	**10,840**	**3.35**	**16.54**	**117.0**	**25.37**	**6**	**10,107**	**3.37**	**17.83**	**135.3**	**27.35**
Blue Valley (MO)	99	10,840	3.35	16.54	117.0	25.37	6	10,107	3.37	17.83	135.3	27.35
Indiana-Kentucky Electric Corp	**3,364**	**10,050**	**.34**	**5.02**	**124.7**	**25.07**	**1,122**	**10,221**	**2.79**	**10.69**	**101.5**	**20.74**
Clifty Creek (IN)	3,364	10,050	.34	5.02	124.7	25.07	1,122	10,221	2.79	10.69	101.5	20.74
Indiana Michigan Power Co	**8,892**	**9,122**	**.36**	**4.91**	**109.8**	**20.03**	**2,998**	**10,506**	**.68**	**8.59**	**110.3**	**23.17**
Tanners Creek (IN)	894	12,539	1.31	8.10	126.6	31.75	1,048	12,100	.97	10.85	116.5	28.19
Rockport (IN)	7,998	8,740	.25	4.56	107.1	18.72	1,950	9,650	.52	7.37	106.0	20.47
Indianapolis Power & Light Co	**4,695**	**11,074**	**2.33**	**8.93**	**104.6**	**23.17**	**2,994**	**11,060**	**2.36**	**9.43**	**89.0**	**19.68**
Stout (IN)	1,390	11,086	1.17	7.98	112.0	24.83	162	10,941	1.21	8.66	103.6	22.68
Pritchard (IN)	274	11,230	1.22	7.23	109.8	24.65	351	10,769	.97	8.93	101.5	21.87
Petersburg (IN)	3,031	11,055	2.97	9.52	100.8	22.28	2,481	11,109	2.63	9.55	86.3	19.18
Interstate Power Co	**973**	**9,967**	**.43**	**7.19**	**161.2**	**32.13**	**1,047**	**9,535**	**1.15**	**6.86**	**116.2**	**22.16**
Dubuque (IA)	—	—	—	—	—	—	232	10,938	2.77	9.76	105.5	23.08
Lansing (IA)	513	8,379	.39	5.28	199.0	33.34	610	9,216	.77	6.08	115.0	21.19
Kapp (IA)	461	11,735	.49	9.32	131.1	30.78	206	8,899	.45	5.93	135.0	24.02
Jacksonville Electric Auth	**2,924**	**12,241**	**1.00**	**8.56**	**159.0**	**38.92**	**363**	**12,578**	**.89**	**6.92**	**150.8**	**37.94**
St Johns River (FL)	2,924	12,241	1.00	8.56	159.0	38.92	363	12,578	.89	6.92	150.8	37.94
Jamestown City of	**—**	**—**	**—**	**—**	**—**	**—**	**96**	**12,674**	**2.15**	**10.02**	**130.2**	**33.00**
Samuel A Carlson (NY)	—	—	—	—	—	—	96	12,674	2.15	10.02	130.2	33.00
Kansas City City of	**1,662**	**8,890**	**.43**	**5.74**	**93.5**	**16.63**	**—**	**—**	**—**	**—**	**—**	**—**
Quindaro (KS)	482	10,372	.58	6.82	125.0	25.94	—	—	—	—	—	—
Nearman (KS)	1,180	8,284	.37	5.30	77.4	12.83	—	—	—	—	—	—
Kansas City Power & Light Co	**10,025**	**8,689**	**.48**	**5.74**	**73.3**	**12.74**	**726**	**8,730**	**.37**	**5.41**	**67.4**	**11.77**
La Cygne (KS)	4,871	8,662	.62	6.18	66.5	11.53	162	8,725	.39	5.13	63.8	11.13
Hawthorne (MO)	1,143	8,724	.33	5.19	66.9	11.67	—	—	—	—	—	—
Montrose (MO)	1,786	8,710	.34	5.30	88.4	15.39	—	—	—	—	—	—
Iatan (MO)	2,225	8,712	.35	5.41	79.2	13.80	564	8,732	.37	5.49	68.5	11.96
Kansas Power & Light Co	**9,830**	**8,684**	**.38**	**5.09**	**112.4**	**19.52**	**—**	**—**	**—**	**—**	**—**	**—**
Lawrence (KS)	793	10,743	.43	7.87	115.2	24.75	—	—	—	—	—	—
Tecumseh (KS)	471	10,626	.43	7.67	114.0	24.23	—	—	—	—	—	—
Jeffrey Energy Cnt (KS)	8,566	8,387	.38	4.69	111.9	18.78	—	—	—	—	—	—
Kentucky Power Co	**1,730**	**12,235**	**1.20**	**10.08**	**111.0**	**27.17**	**1,206**	**12,226**	**1.14**	**9.85**	**104.7**	**25.60**
Big Sandy (KY)	1,730	12,235	1.20	10.08	111.0	27.17	1,206	12,226	1.14	9.85	104.7	25.60
Kentucky Utilities Co	**4,288**	**12,140**	**1.60**	**11.00**	**112.9**	**27.42**	**3,051**	**11,937**	**1.31**	**11.79**	**110.6**	**26.41**

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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)
Kentucky Utilities Co												
Brown (KY)	123	11,936	1.10	12.49	114.3	27.28	1,392	12,064	1.34	11.90	112.0	27.03
Ghent (KY)	4,164	12,146	1.61	10.96	112.9	27.43	984	11,802	.71	13.61	111.3	26.27
Green River (KY)	—	—	—	—	—	—	571	11,682	2.37	9.13	104.0	24.30
Tyrone (KY)	—	—	—	—	—	—	103	12,930	.78	7.76	120.1	31.05
Lakeland City of	**484**	**12,843**	**1.30**	**8.95**	**175.7**	**45.12**	**144**	**12,972**	**1.10**	**7.10**	**176.7**	**45.84**
Plant 3-Mcintosh (FL)	484	12,843	1.30	8.95	175.7	45.12	144	12,972	1.10	7.10	176.7	45.84
Lansing City of	**995**	**10,796**	**.60**	**7.13**	**153.4**	**33.13**	**121**	**12,530**	**.89**	**9.91**	**162.0**	**40.59**
Eckert (MI)	674	10,082	.47	6.45	148.5	29.95	75	12,606	.94	9.14	160.6	40.50
Erickson (MI)	321	12,296	.86	8.56	161.9	39.82	46	12,406	.81	11.16	164.2	40.74
Los Angeles City of	**5,243**	**11,700**	**.52**	**10.16**	**135.9**	**31.81**	**218**	**11,950**	**.51**	**9.02**	**96.0**	**22.94**
Intermountain (UT)	5,243	11,700	.52	10.16	135.9	31.81	218	11,950	.51	9.02	96.0	22.94
Louisville Gas & Electric Co	**5,290**	**11,488**	**3.51**	**12.32**	**95.6**	**21.97**	**1,658**	**11,184**	**2.83**	**14.51**	**103.0**	**23.05**
Cane Run (KY)	1,355	11,278	3.32	11.25	97.9	22.08	68	11,584	2.92	11.63	107.0	24.79
Mill Creek (KY)	2,846	11,401	3.39	12.79	97.4	22.22	1,096	11,556	2.88	12.45	107.4	24.81
Trimble County (KY)	1,089	11,980	4.05	12.40	88.5	21.20	495	10,306	2.72	19.47	91.7	18.90
Lower Colorado River Authority	**5,181**	**8,578**	**.34**	**5.44**	**94.6**	**16.22**	**513**	**8,714**	**.35**	**5.73**	**96.1**	**16.75**
S Seymour-Fayette (TX)	5,181	8,578	.34	5.44	94.6	16.22	513	8,714	.35	5.73	96.1	16.75
Madison Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**156**	**10,723**	**1.41**	**9.14**	**137.3**	**29.45**
Blount (WI)	—	—	—	—	—	—	156	10,723	1.41	9.14	137.3	29.45
Manitowoc Public Utilities	**—**	**—**	**—**	**—**	**—**	**—**	**112**	**12,897**	**1.19**	**6.94**	**160.5**	**41.40**
Manitowoc (WI)	—	—	—	—	—	—	112	12,897	1.19	6.94	160.5	41.40
Marquette City of	**179**	**9,737**	**.39**	**4.47**	**121.2**	**23.60**	**—**	**—**	**—**	**—**	**—**	**—**
Shiras (MI)	179	9,737	.39	4.47	121.2	23.60	—	—	—	—	—	—
Metropolitan Edison Co	**1,208**	**13,217**	**1.28**	**7.12**	**138.8**	**36.70**	**55**	**13,125**	**1.70**	**7.92**	**137.4**	**36.06**
Portland (PA)	717	13,216	1.27	7.16	140.4	37.12	37	13,129	1.72	7.84	138.7	36.42
Titus (PA)	490	13,219	1.30	7.07	136.5	36.08	18	13,119	1.67	8.09	134.6	35.32
Michigan South Central Pwr Agy	**36**	**11,799**	**3.36**	**9.43**	**159.0**	**37.53**	**103**	**11,903**	**3.25**	**10.91**	**158.4**	**37.70**
Project I (MI)	36	11,799	3.36	9.43	159.0	37.53	103	11,903	3.25	10.91	158.4	37.70
MidAmerican Energy	**12,356**	**8,497**	**.36**	**5.15**	**77.0**	**13.08**	**661**	**8,490**	**.32**	**5.04**	**61.9**	**10.51**
Riverside (IA)	473	8,592	.22	3.84	82.0	14.09	12	8,684	.19	4.40	72.9	12.66
Council Bluffs (IA)	3,243	8,374	.38	4.95	69.7	11.68	302	8,487	.35	5.05	54.3	9.21
George Neal 1-4 (IA)	5,785	8,615	.37	5.09	74.7	12.87	333	8,478	.31	5.09	67.8	11.50
Louisa (IA)	2,855	8,382	.33	5.72	89.2	14.95	14	8,688	.18	4.50	75.2	13.07
Minnesota Power & Light Co	**3,956**	**9,074**	**.55**	**6.27**	**113.8**	**20.65**	**123**	**8,748**	**.24**	**4.81**	**120.2**	**21.03**
Laskin Energy Center (MN)	324	9,392	.35	4.22	115.0	21.60	—	—	—	—	—	—
Boswell Energy Center (MN)	3,632	9,046	.57	6.45	113.7	20.57	123	8,748	.24	4.81	120.2	21.03
Minnkota Power Coop Inc	**4,136**	**6,702**	**.85**	**8.30**	**64.5**	**8.65**	**—**	**—**	**—**	**—**	**—**	**—**
Young (ND)	4,136	6,702	.85	8.30	64.5	8.65	—	—	—	—	—	—
Mississippi Power Co	**3,995**	**10,211**	**.71**	**5.38**	**145.3**	**29.67**	**938**	**10,302**	**.77**	**5.99**	**136.9**	**28.21**
Watson (MS)	1,279	11,908	1.43	7.32	142.0	33.81	824	10,426	.83	6.21	135.8	28.32
Daniel (MS)	2,716	9,412	.37	4.46	147.3	27.72	115	9,416	.30	4.40	145.4	27.38
Monongahela Power Co	**11,407**	**12,484**	**3.04**	**11.24**	**110.5**	**27.59**	**562**	**12,672**	**2.21**	**10.85**	**98.4**	**24.95**
Albright (WV)	224	12,717	1.58	11.31	107.1	27.24	189	12,535	1.52	11.99	104.1	26.09
Ft Martin (WV)	2,616	12,563	1.52	11.05	122.8	30.86	—	—	—	—	—	—
Harrison (WV)	5,001	12,512	3.53	11.92	115.8	28.99	206	12,618	3.46	12.12	79.7	20.13
Rivesville (WV)	124	12,186	.93	10.80	120.2	29.31	21	12,434	.87	9.85	120.8	30.04
Willow Island (WV)	290	13,229	1.39	6.89	109.0	28.83	134	13,027	1.38	7.39	116.6	30.38
Pleasants (WV)	3,152	12,299	3.86	10.75	91.5	22.50	12	12,196	3.45	11.74	82.2	20.04

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, 1998 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Montana-Dakota Utilities Co	**3,025**	**6,924**	**1.00**	**8.46**	**87.8**	**12.15**	*****	**7,005**	**1.07**	**7.54**	**55.6**	**7.79**
Heskett (ND)	415	7,063	.81	7.19	110.2	15.57	*	7,005	1.07	7.54	55.6	7.79
Lewis and Clark (MT)	277	6,702	.47	8.15	91.1	12.21	—	—	—	—	—	—
Coyote (ND)	2,332	6,926	1.09	8.72	83.3	11.54	—	—	—	—	—	—
Montana Power Co	**10,243**	**8,480**	**.73**	**9.53**	**66.9**	**11.34**	**—**	**—**	**—**	**—**	**—**	**—**
Corette (MT)	397	8,314	.23	4.45	54.4	9.04	—	—	—	—	—	—
Colstrip (MT)	9,846	8,487	.75	9.74	67.4	11.43	—	—	—	—	—	—
Montaup Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**308**	**12,696**	**.73**	**7.88**	**179.5**	**45.58**
Somerset (MA)	—	—	—	—	—	—	308	12,696	.73	7.88	179.5	45.58
Muscatine City of	**852**	**8,776**	**.96**	**6.71**	**89.6**	**15.72**	**—**	**—**	**—**	**—**	**—**	**—**
Muscatine (IA)	852	8,776	.96	6.71	89.6	15.72	—	—	—	—	—	—
Nebraska Public Power District	**6,348**	**8,630**	**.25**	**4.59**	**48.6**	**8.40**	**129**	**9,140**	**.37**	**4.84**	**73.5**	**13.44**
Sheldon (NE)	819	8,741	.20	4.44	60.9	10.65	129	9,140	.37	4.84	73.5	13.44
Gerald Gentleman (NE)	5,530	8,614	.26	4.61	46.8	8.06	—	—	—	—	—	—
Nevada Power Co	**1,727**	**11,689**	**.43**	**8.87**	**123.8**	**28.94**	**99**	**11,985**	**.58**	**9.70**	**112.9**	**27.07**
Gardner (NV)	1,727	11,689	.43	8.87	123.8	28.94	99	11,985	.58	9.70	112.9	27.07
New England Power Co	**2,588**	**12,540**	**.67**	**8.67**	**164.8**	**41.34**	**197**	**12,508**	**.71**	**10.06**	**162.7**	**40.71**
Brayton (MA)	2,061	12,539	.67	9.29	164.9	41.35	177	12,516	.70	9.93	162.3	40.64
Salem Harbor (MA)	527	12,547	.67	6.22	164.6	41.30	20	12,440	.75	11.25	166.3	41.38
New York State Elec & Gas Corp	**3,042**	**13,141**	**2.19**	**7.38**	**134.5**	**35.34**	**468**	**11,887**	**1.46**	**14.32**	**132.9**	**31.59**
Goudey (NY)	323	13,318	2.17	6.81	141.0	37.55	4	13,370	2.31	6.97	133.9	35.80
Greenidge (NY)	309	13,121	1.40	7.28	140.1	36.77	47	13,339	2.14	6.91	135.9	36.26
Hickling (NY)	—	—	—	—	—	—	210	10,396	.69	22.73	124.7	25.92
Jennison (NY)	—	—	—	—	—	—	66	13,078	1.56	7.10	162.1	42.40
Milliken (NY)	803	13,087	2.25	7.53	134.5	35.20	26	12,321	2.81	11.82	134.3	33.10
Kintigh (NY)	1,606	13,137	2.33	7.44	132.0	34.69	115	13,175	2.21	6.98	126.4	33.32
Niagara Mohawk Power Corp	**2,907**	**13,135**	**1.82**	**7.23**	**138.2**	**36.29**	**326**	**13,028**	**1.77**	**7.73**	**128.6**	**33.51**
Huntley (NY)	1,510	13,134	1.66	7.03	144.6	37.99	298	13,013	1.73	7.70	128.9	33.55
Dunkirk (NY)	1,397	13,136	2.00	7.44	131.2	34.46	28	13,198	2.20	8.06	125.4	33.10
Northern Indiana Pub Serv Co	**7,138**	**9,881**	**1.24**	**6.80**	**133.0**	**26.28**	**2,049**	**10,423**	**1.48**	**7.06**	**121.1**	**25.24**
Bailly (IN)	1,185	10,956	2.51	9.10	138.3	30.30	264	11,179	2.54	9.21	127.0	28.39
Mitchell (IN)	892	9,380	.44	5.53	144.5	27.11	246	8,747	.33	5.25	124.9	21.85
Michigan City (IN)	1,384	9,490	.49	5.65	137.9	26.17	147	9,852	1.70	7.08	127.8	25.17
Rollin Schahfer (IN)	3,678	9,804	1.31	6.80	126.6	24.83	1,392	10,636	1.46	6.97	118.7	25.24
Northern States Power Co	**13,255**	**8,792**	**.41**	**6.36**	**103.8**	**18.26**	**151**	**10,688**	**.57**	**5.06**	**129.3**	**27.63**
Black Dog (MN)	966	8,815	.19	4.38	98.7	17.39	—	—	—	—	—	—
High Bridge (MN)	930	8,871	.19	4.43	93.9	16.66	—	—	—	—	—	—
King (MN)	1,291	8,845	.31	5.72	103.6	18.33	—	—	—	—	—	—
Riverside (MN)	1,440	8,874	.19	4.40	90.8	16.12	—	—	—	—	—	—
Bay Front (WI)	—	—	—	—	—	—	70	12,236	.82	5.91	167.8	41.07
Sherburne County (MN)	8,628	8,760	.50	7.21	107.7	18.87	81	9,360	.34	4.34	86.0	16.10
Ohio Edison Co	**4,367**	**11,874**	**1.30**	**14.09**	**119.6**	**28.40**	**2,525**	**12,608**	**1.75**	**10.72**	**106.2**	**26.78**
Niles (OH)	418	12,244	3.22	11.62	110.0	26.93	106	11,403	2.94	13.25	93.7	21.36
Burger (OH)	371	12,321	3.59	10.61	91.9	22.66	342	12,704	1.84	10.06	102.3	26.00
Sammis (OH)	3,578	11,785	.83	14.74	123.8	29.17	2,077	12,654	1.68	10.70	107.4	27.18
Ohio Power Co	**13,079**	**11,647**	**2.83**	**12.02**	**173.5**	**40.42**	**1,179**	**12,327**	**1.17**	**12.31**	**114.1**	**28.13**
Muskingum (OH)	2,594	11,709	3.04	12.66	236.3	55.34	363	12,370	1.97	11.16	118.9	29.42
Kammer (WV)	1,676	12,263	3.45	10.50	86.4	21.19	1	12,111	2.61	14.40	102.3	24.78
Mitchell (WV)	2,448	12,354	.78	11.93	153.9	38.03	814	12,308	.81	12.82	112.0	27.56
Gavin (OH)	6,361	11,188	3.37	12.19	180.2	40.31	—	—	—	—	—	—

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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 Valley Electric Corp	**2,373**	**13,085**	**2.14**	**7.26**	**112.2**	**29.37**	**468**	**12,251**	**1.81**	**10.18**	**104.1**	**25.51**
Kyger Creek (OH)	2,373	13,085	2.14	7.26	112.2	29.37	468	12,251	1.81	10.18	104.1	25.51
Oklahoma Gas & Electric Co	**9,882**	**8,630**	**.29**	**4.90**	**82.2**	**14.20**	**—**	**—**	**—**	**—**	**—**	**—**
Muskogee (OK)	5,841	8,583	.27	4.63	84.4	14.49	—	—	—	—	—	—
Sooner (OK)	4,041	8,698	.33	5.29	79.2	13.77	—	—	—	—	—	—
Omaha Public Power District	**2,368**	**8,615**	**.22**	**4.57**	**70.0**	**12.06**	**2,130**	**8,347**	**.33**	**5.40**	**69.0**	**11.52**
North Omaha (NE)	653	8,454	.25	4.58	72.9	12.32	1,465	8,354	.33	5.43	70.3	11.75
Nebraska City (NE)	1,715	8,677	.21	4.57	69.0	11.97	665	8,332	.34	5.31	66.2	11.03
Orange & Rockland Utils Inc	**564**	**12,934**	**.62**	**8.26**	**186.8**	**48.31**	**120**	**13,107**	**.75**	**6.80**	**178.2**	**46.72**
Lovett (NY)	564	12,934	.62	8.26	186.8	48.31	120	13,107	.75	6.80	178.2	46.72
Orlando Utilities Comm	**1,810**	**12,771**	**1.05**	**8.45**	**177.3**	**45.28**	**586**	**12,924**	**1.17**	**7.41**	**159.8**	**41.29**
Stanton Energy (FL)	1,810	12,771	1.05	8.45	177.3	45.28	586	12,924	1.17	7.41	159.8	41.29
Orrville City of	**190**	**11,631**	**3.58**	**10.41**	**98.0**	**22.79**	**—**	**—**	**—**	**—**	**—**	**—**
Orrville (OH)	190	11,631	3.58	10.41	98.0	22.79	—	—	—	—	—	—
Otter Tail Power Co	**1,699**	**8,728**	**.72**	**9.12**	**92.7**	**16.19**	**388**	**9,288**	**.37**	**4.42**	**123.7**	**22.98**
Hoot Lake (MN)	—	—	—	—	—	—	388	9,288	.37	4.42	123.7	22.98
Big Stone (SD)	1,699	8,728	.72	9.12	92.7	16.19	—	—	—	—	—	—
Owensboro City of	**1,321**	**10,819**	**3.12**	**12.47**	**96.2**	**20.81**	**—**	**—**	**—**	**—**	**—**	**—**
Smith (KY)	1,321	10,819	3.12	12.47	96.2	20.81	—	—	—	—	—	—
PacifiCorp	**27,974**	**9,398**	**.57**	**10.63**	**101.6**	**19.09**	**3,510**	**9,444**	**.43**	**6.41**	**88.5**	**16.72**
Carbon (UT)	592	12,041	.47	9.56	62.7	15.09	—	—	—	—	—	—
Centralia (WA)	4,623	7,849	.67	14.68	159.3	25.00	1,482	9,356	.34	4.19	121.1	22.67
Johnston (WY)	4,007	7,857	.47	8.77	57.4	9.03	27	8,502	.29	5.42	50.2	8.54
Naughton (WY)	2,712	10,062	.80	4.71	113.6	22.87	—	—	—	—	—	—
Wyodak (WY)	2,122	8,052	.63	6.64	72.8	11.72	—	—	—	—	—	—
Emery-Hunter (UT)	4,313	11,157	.43	12.30	94.3	21.04	—	—	—	—	—	—
Jim Bridger (WY)	6,797	9,371	.60	10.89	116.1	21.76	2,001	9,521	.50	8.07	65.3	12.43
Huntington (UT)	2,808	11,328	.43	12.37	75.4	17.08	—	—	—	—	—	—
Painesville City of	**94**	**12,521**	**2.43**	**7.89**	**135.7**	**33.97**	**—**	**—**	**—**	**—**	**—**	**—**
Painesville (OH)	94	12,521	2.43	7.89	135.7	33.97	—	—	—	—	—	—
Pennsylvania Electric Co	**15,898**	**12,057**	**2.03**	**15.26**	**120.8**	**29.14**	**3,193**	**12,331**	**2.11**	**12.88**	**105.0**	**25.89**
Conemaugh (PA)	3,845	12,626	2.29	12.07	110.4	27.87	1,342	12,633	2.31	11.36	99.9	25.25
Homer City (PA)	5,762	11,385	2.21	19.27	120.3	27.39	621	11,345	2.06	18.07	110.8	25.14
Seward (PA)	358	12,098	1.59	14.45	110.0	26.61	160	12,215	1.47	13.25	115.0	28.09
Shawville (PA)	1,404	12,269	1.76	13.73	114.5	28.08	276	12,215	1.87	13.78	110.7	27.06
Warren (PA)	97	12,370	1.71	12.96	122.7	30.34	72	12,222	1.77	12.25	121.6	29.72
Keystone (PA)	4,431	12,360	1.69	13.42	133.6	33.03	721	12,699	2.05	10.88	103.9	26.39
Pennsylvania Power & Light Co	**4,420**	**12,886**	**1.79**	**9.88**	**151.5**	**39.04**	**3,855**	**11,999**	**1.59**	**15.28**	**133.7**	**32.10**
Brunner Island (PA)	2,686	13,084	1.71	8.11	153.6	40.18	460	12,873	1.50	10.16	139.3	35.86
Holtwood (PA)	—	—	—	—	—	—	175	8,535	.74	33.22	119.9	20.47
Martins Creek (PA)	11	12,666	1.81	11.90	107.4	27.21	492	13,183	1.79	7.55	134.7	35.51
Montour (PA)	1,479	12,655	1.95	12.31	146.6	37.10	1,918	12,671	1.90	12.52	139.8	35.42
Sunbury (PA)	244	12,117	1.59	14.58	159.6	38.67	810	9,942	1.00	25.51	113.3	22.53
Pennsylvania Power Co	**6,935**	**12,011**	**3.44**	**12.97**	**161.9**	**38.88**	**—**	**—**	**—**	**—**	**—**	**—**
New Castle (PA)	747	11,930	1.66	13.02	118.5	28.27	—	—	—	—	—	—
Bruce Mansfield (PA)	6,187	12,021	3.65	12.97	167.1	40.16	—	—	—	—	—	—
Philadelphia Electric Co	**1,272**	**13,185**	**1.71**	**7.75**	**144.3**	**38.06**	**2**	**12,808**	**.80**	**7.30**	**167.5**	**42.92**
Cromby (PA)	294	13,165	1.73	7.76	143.0	37.64	2	12,808	.80	7.30	167.5	42.92
Eddystone (PA)	978	13,191	1.70	7.74	144.8	38.19	—	—	—	—	—	—

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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)
Plains Elec Gen&Trans Coop Inc	**767**	**9,264**	**0.83**	**17.15**	**139.0**	**25.75**	**—**	**—**	**—**	**—**	**—**	**—**
Escalante (NM)	767	9,264	.83	17.15	139.0	25.75	—	—	—	—	—	—
Platte River Power Authority	**994**	**8,818**	**.25**	**5.39**	**59.7**	**10.52**	**55**	**8,445**	**0.33**	**4.95**	**53.6**	**9.05**
Rawhide (CO)	994	8,818	.25	5.39	59.7	10.52	55	8,445	.33	4.95	53.6	9.05
Portland General Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**2,014**	**8,685**	**.32**	**5.19**	**108.9**	**18.92**
Boardman (OR)	—	—	—	—	—	—	2,014	8,685	.32	5.19	108.9	18.92
Potomac Edison Co	**110**	**12,250**	**.93**	**13.28**	**131.3**	**32.17**	**50**	**12,183**	**.92**	**13.37**	**130.2**	**31.71**
Smith (MD)	110	12,250	.93	13.28	131.3	32.17	50	12,183	.92	13.37	130.2	31.71
Potomac Electric Power Co	**2,785**	**13,033**	**1.34**	**8.92**	**158.5**	**41.32**	**3,791**	**13,019**	**1.36**	**7.46**	**146.8**	**38.22**
Chalk (MD)	807	13,114	1.43	9.36	176.1	46.19	690	13,102	1.32	7.95	153.5	40.22
Dickerson (MD)	1,042	13,017	1.44	8.74	137.3	35.75	316	12,998	1.42	8.59	134.7	35.03
Morgantown (MD)	528	13,066	1.44	9.09	175.1	45.74	2,244	13,037	1.49	7.03	144.6	37.70
Potomac River (VA)	408	12,873	.77	8.30	156.1	40.18	541	12,854	.82	7.99	154.3	39.67
Public Service Co of Colorado	**9,810**	**9,570**	**.37**	**6.51**	**92.6**	**17.73**	**751**	**10,879**	**.42**	**8.14**	**93.3**	**20.31**
Arapahoe (CO)	716	8,731	.27	5.47	82.9	14.47	—	—	—	—	—	—
Cameo (CO)	271	10,829	.55	15.90	96.9	20.98	—	—	—	—	—	—
Cherokee (CO)	1,785	11,485	.48	9.35	96.2	22.11	465	11,080	.43	8.36	87.3	19.36
Comanche (CO)	2,863	8,561	.27	4.43	90.2	15.45	71	8,638	.25	4.15	100.0	17.28
Valmont (CO)	384	11,342	.47	9.50	112.6	25.55	214	11,186	.47	9.01	104.5	23.39
Hayden (CO)	1,622	10,584	.42	7.72	96.4	20.40	—	—	—	—	—	—
Pawnee (CO)	2,168	8,370	.37	4.63	86.0	14.40	—	—	—	—	—	—
PSI Energy Inc	**11,664**	**11,172**	**1.94**	**8.98**	**110.5**	**24.69**	**4,666**	**10,979**	**1.58**	**9.33**	**108.5**	**23.83**
Cayuga (IN)	2,070	10,889	1.76	9.73	118.6	25.82	587	10,941	.82	8.24	115.2	25.21
Edwardsport (IN)	—	—	—	—	—	—	244	11,144	1.86	8.49	97.8	21.79
Noblesville (IN)	—	—	—	—	—	—	193	11,178	2.32	8.99	113.7	25.42
Gallagher (IN)	1,137	13,187	2.16	7.22	106.1	27.98	70	11,772	1.01	7.41	116.7	27.48
Wabash River (IN)	1,125	10,817	1.96	10.46	103.7	22.43	1,432	10,812	1.62	9.07	107.3	23.21
Gibson Station (IN)	7,333	10,994	1.95	8.81	110.1	24.20	2,141	11,038	1.69	9.98	108.0	23.84
Public Service Co of NH	**1,028**	**13,203**	**1.67**	**7.07**	**165.0**	**43.57**	**381**	**12,943**	**.68**	**5.75**	**150.8**	**39.05**
Merrimack (NH)	1,028	13,203	1.67	7.07	165.0	43.57	—	—	—	—	—	—
Schiller (NH)	—	—	—	—	—	—	381	12,943	.68	5.75	150.8	39.05
Public Service Co of NM	**6,780**	**9,271**	**.84**	**25.02**	**164.4**	**30.48**	**—**	**—**	**—**	**—**	**—**	**—**
San Juan (NM)	6,780	9,271	.84	25.02	164.4	30.48	—	—	—	—	—	—
Public Service Co of Oklahoma	**4,240**	**8,799**	**.20**	**4.40**	**110.6**	**19.46**	**26**	**8,448**	**.36**	**4.60**	**108.4**	**18.32**
Northeastern (OK)	4,240	8,799	.20	4.40	110.6	19.46	26	8,448	.36	4.60	108.4	18.32
Public Service Electric&Gas Co	**1,241**	**13,416**	**.78**	**7.73**	**148.9**	**39.95**	**370**	**12,680**	**.75**	**9.67**	**144.9**	**36.75**
Hudson (NJ)	451	12,510	.87	11.77	140.9	35.24	188	12,571	.80	10.22	148.2	37.27
Mercer (NJ)	790	13,934	.72	5.42	153.0	42.64	182	12,793	.69	9.09	141.6	36.22
Richmond City of	**163**	**11,545**	**2.50**	**9.67**	**132.6**	**30.63**	**116**	**11,735**	**2.42**	**9.36**	**131.9**	**30.96**
Whitewater (IN)	163	11,545	2.50	9.67	132.6	30.63	116	11,735	2.42	9.36	131.9	30.96
Rochester Public Utilities	**42**	**11,953**	**1.38**	**6.84**	**161.0**	**38.50**	**69**	**10,874**	**1.26**	**9.06**	**149.7**	**32.56**
Silver Lake (MN)	42	11,953	1.38	6.84	161.0	38.50	69	10,874	1.26	9.06	149.7	32.56
Rochester Gas & Electric Corp	**566**	**13,326**	**2.24**	**7.07**	**142.7**	**38.04**	**216**	**13,139**	**2.14**	**7.84**	**149.4**	**39.25**
Beebee Station 3 (NY)	—	—	—	—	—	—	24	12,615	1.87	10.07	154.7	39.03
Russell Station 7 (NY)	566	13,326	2.24	7.07	142.7	38.04	193	13,203	2.17	7.57	148.7	39.28
Salt River Proj Ag I & P Dist	**10,206**	**10,693**	**.51**	**10.56**	**131.4**	**28.10**	**—**	**—**	**—**	**—**	**—**	**—**
Navajo (AZ)	7,680	10,981	.54	9.19	116.8	25.65	—	—	—	—	—	—
Coronado (AZ)	2,526	9,816	.43	14.73	181.1	35.55	—	—	—	—	—	—

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, 1998 (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)
San Antonio City of	**5,395**	**8,371**	**0.34**	**5.95**	**97.1**	**16.26**	**67**	**11,972**	**0.57**	**5.21**	**190.9**	**45.70**
JT Deely/Spruce (TX)	5,395	8,371	.34	5.95	97.1	16.26	67	11,972	.57	5.21	190.9	45.70
San Miguel Electric Coop Inc	**3,523**	**5,215**	**1.78**	**27.45**	**69.4**	**7.24**	—	—	—	—	—	—
San Miquel (TX)	3,523	5,215	1.78	27.45	69.4	7.24	—	—	—	—	—	—
Savannah Electric & Power Co	—	—	—	—	—	—	**844**	**11,571**	**.97**	**13.41**	**142.6**	**33.01**
Kraft (GA)	—	—	—	—	—	—	414	12,492	1.01	7.19	144.6	36.14
McIntosh (GA)	—	—	—	—	—	—	430	10,683	.92	19.40	140.4	29.99
Seminole Electric Coop Inc	**2,417**	**12,045**	**2.78**	**7.98**	**186.9**	**45.02**	**1,174**	**12,648**	**3.17**	**7.56**	**163.1**	**41.25**
Seminole (FL)	2,417	12,045	2.78	7.98	186.9	45.02	1,174	12,648	3.17	7.56	163.1	41.25
Sierra Pacific Power Co	**561**	**11,309**	**.36**	**8.31**	**205.9**	**46.57**	**1,145**	**11,542**	**.39**	**8.70**	**119.7**	**27.63**
North Valmy (NV)	561	11,309	.36	8.31	205.9	46.57	1,145	11,542	.39	8.70	119.7	27.63
Sikeston City of	—	—	—	—	—	—	**1,046**	**8,721**	**.35**	**5.34**	**100.2**	**17.48**
Sikeston (MO)	—	—	—	—	—	—	1,046	8,721	.35	5.34	100.2	17.48
South Carolina Electric&Gas Co	**4,538**	**12,804**	**1.16**	**9.35**	**154.5**	**39.57**	**1,427**	**12,450**	**1.20**	**10.86**	**151.1**	**37.62**
Canadys (SC)	641	12,800	1.37	9.14	153.6	39.31	118	12,726	1.26	9.98	150.7	38.35
Mcmeekin (SC)	617	13,093	1.41	9.89	150.2	39.32	12	12,492	1.27	9.79	148.3	37.04
Urguhart (SC)	317	13,085	1.34	8.50	153.7	40.23	119	12,887	1.18	9.84	149.5	38.54
Wateree (SC)	934	12,532	1.30	11.21	151.2	37.90	758	12,296	1.23	11.70	149.8	36.83
Williams (SC)	1,292	12,908	.77	7.60	161.1	41.58	55	13,028	.82	7.02	163.1	42.51
Cope (SC)	736	12,605	1.20	10.11	152.1	38.34	365	12,449	1.20	10.35	152.6	37.99
South Carolina Pub Serv Auth	**5,649**	**12,984**	**1.25**	**7.82**	**136.0**	**35.32**	**482**	**12,575**	**1.17**	**8.67**	**130.8**	**32.91**
Cross (SC)	2,547	12,900	1.11	7.89	135.1	34.87	61	12,327	1.16	9.52	129.9	32.03
Grainger (SC)	227	13,231	1.63	6.62	151.5	40.10	—	—	—	—	—	—
Jefferies (SC)	640	13,300	1.62	6.33	132.1	35.13	—	—	—	—	—	—
Winyah (SC)	2,235	12,964	1.25	8.29	136.6	35.41	421	12,611	1.17	8.55	131.0	33.04
South Mississippi El Pwr Assn	**952**	**12,336**	**.89**	**8.82**	**197.4**	**48.71**	—	—	—	—	—	—
R D Morrow (MS)	952	12,336	.89	8.82	197.4	48.71	—	—	—	—	—	—
Southern California Edison Co	**4,503**	**10,893**	**.51**	**10.40**	**125.6**	**27.36**	—	—	—	—	—	—
Mohave (NV)	4,503	10,893	.51	10.40	125.6	27.36	—	—	—	—	—	—
Southern Illinois Power Coop	**695**	**11,293**	**3.13**	**14.78**	**99.5**	**22.47**	**132**	**8,237**	**2.02**	**26.22**	**50.2**	**8.27**
Marion (IL)	695	11,293	3.13	14.78	99.5	22.47	132	8,237	2.02	26.22	50.2	8.27
Southern Indiana Gas & Elec Co	—	—	—	—	—	—	**3,254**	**11,418**	**3.56**	**8.96**	**93.8**	**21.41**
Culley (IN)	—	—	—	—	—	—	1,395	11,468	3.61	9.12	92.3	21.16
A B Brown (IN)	—	—	—	—	—	—	1,444	11,486	3.80	8.68	94.5	21.70
Warrick (IN)	—	—	—	—	—	—	416	11,014	2.52	9.37	96.3	21.22
Southwestern Electric Power Co	**8,860**	**7,653**	**.85**	**8.43**	**149.8**	**22.94**	**3,876**	**8,496**	**.40**	**5.02**	**126.2**	**21.44**
Flint Creek (AR)	1,327	8,495	.33	4.61	164.0	27.87	1,179	8,490	.38	4.96	108.9	18.50
Welsh Station (TX)	3,935	8,370	.39	4.69	172.2	28.82	2,697	8,498	.41	5.04	133.7	22.73
Pirkey (TX)	3,598	6,559	1.54	13.94	111.9	14.68	—	—	—	—	—	—
Southwestern Public Service Co	**8,833**	**8,875**	**.35**	**5.40**	**161.4**	**28.65**	**76**	**8,660**	**.34**	**5.37**	**123.7**	**21.42**
Harrington (TX)	4,592	9,049	.36	5.46	124.3	22.49	—	—	—	—	—	—
Tolk (TX)	4,241	8,687	.35	5.32	203.3	35.32	76	8,660	.34	5.37	123.7	21.42
Springfield City of	**1,008**	**10,435**	**3.11**	**9.33**	**116.3**	**24.27**	**45**	**10,226**	**1.23**	**8.71**	**123.4**	**25.24**
Dallman (IL)	955	10,435	3.11	9.32	116.3	24.28	45	10,226	1.23	8.71	123.4	25.24
Lakeside (IL)	53	10,431	3.13	9.39	116.1	24.22	—	—	—	—	—	—
Springfield City of	**1,615**	**9,107**	**.43**	**5.55**	**112.2**	**20.44**	—	—	—	—	—	—
James River (MO)	826	9,438	.49	5.70	119.8	22.62	—	—	—	—	—	—
Southwest (MO)	789	8,760	.36	5.39	103.7	18.17	—	—	—	—	—	—

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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)
St Joseph Light & Power Co	—	—	—	—	—	—	**434**	**9,822**	**1.12**	**6.92**	**99.0**	**19.45**
Lakeroad (MO)	—	—	—	—	—	—	434	9,822	1.12	6.92	99.0	19.45
Sunflower Electric Coop Inc	**1,601**	**8,476**	**0.30**	**5.03**	**110.7**	**18.77**	—	—	—	—	—	—
Holcomb (KS)	1,601	8,476	.30	5.03	110.7	18.77	—	—	—	—	—	—
Tacoma Public Utilities	—	—	—	—	—	—	**1**	**10,800**	**.73**	**66.06**	**165.5**	**35.74**
Steam No.2 (WA)	—	—	—	—	—	—	1	10,800	.73	66.06	165.5	35.74
Tampa Electric Co[3]	**5,407**	**11,778**	**2.09**	**7.91**	**168.0**	**39.58**	**2,746**	**10,624**	**1.62**	**6.15**	**132.0**	**28.04**
Gannon (FL)	838	12,684	1.21	7.83	242.6	61.55	—	—	—	—	—	—
Davant Transfer (LA)	4,569	11,611	2.25	7.92	153.1	35.55	2,746	10,624	1.62	6.15	132.0	28.04
Tennessee Valley Authority[4]	**33,291**	**11,489**	**2.06**	**10.83**	**110.6**	**25.41**	**9,131**	**11,956**	**1.87**	**10.01**	**117.9**	**28.19**
Colbert (AL)	1,235	12,028	1.92	12.51	108.7	26.14	332	12,032	.85	10.98	127.8	30.76
Widows Creek (AL)	1,629	11,986	2.51	11.42	120.6	28.92	1,582	12,235	2.26	10.73	124.2	30.39
Paradise (KY)	5,473	10,574	4.42	19.55	95.3	20.16	874	11,093	3.05	11.61	100.9	22.38
Shawnee (KY)	3,027	11,573	.51	9.07	126.6	29.30	572	11,510	1.73	10.17	117.2	26.98
Bull Run (TN)	1,712	12,616	1.43	9.54	113.4	28.62	369	12,501	1.58	9.99	115.6	28.90
Cumberland (TN)	6,022	11,743	2.84	8.97	108.4	25.46	514	12,317	2.90	9.49	109.0	26.84
Gallatin (TN)	45	12,604	2.95	7.98	123.2	31.07	34	12,788	2.48	8.18	111.9	28.62
Sevier (TN)	1,837	12,726	1.47	10.18	128.7	32.75	231	12,548	2.12	11.96	124.5	31.24
Johnsonville (TN)	1,826	12,257	1.73	8.68	107.3	26.30	490	12,008	1.74	9.26	130.8	31.42
Kingston (TN)	2,619	12,461	1.43	9.59	121.5	30.29	1,697	12,545	1.32	9.62	124.3	31.19
GRT Terminal (TN)	5,343	10,784	1.12	7.84	104.1	22.45	1,430	11,631	2.28	9.38	106.2	24.71
Cora Transfer (TN)	2,040	10,203	.43	7.26	104.3	21.29	815	11,371	.56	8.80	120.8	27.47
Cahokia (AL)	484	11,348	.48	9.93	116.2	26.38	191	11,486	.40	9.23	122.7	28.20
Texas Municipal Power Agency	**1,081**	**8,515**	**.30**	**5.23**	**118.7**	**20.22**	**539**	**8,486**	**.33**	**5.74**	**120.8**	**20.51**
Gibbons Creek (TX)	1,081	8,515	.30	5.23	118.7	20.22	539	8,486	.33	5.74	120.8	20.51
Texas-New Mexico Power Co	**1,761**	**6,837**	**.87**	**15.27**	**142.7**	**19.52**	—	—	—	—	—	—
TNP One (Tx)	1,761	6,837	.87	15.27	142.7	19.52	—	—	—	—	—	—
Texas Utilities Electric Co[5]	**33,280**	**6,590**	**.90**	**14.28**	**102.0**	**13.44**	—	—	—	—	—	—
Big Brown (TX)	5,022	6,671	.73	15.31	113.2	15.11	—	—	—	—	—	—
Martin Lake (TX)	13,424	6,666	1.26	11.76	83.2	11.09	—	—	—	—	—	—
Monticello (TX)	11,466	6,437	.48	16.20	118.9	15.31	—	—	—	—	—	—
Sandow No 4 (TX)	3,368	6,685	1.20	16.22	104.6	13.99	—	—	—	—	—	—
Toledo Edison Co	**325**	**11,017**	**.56**	**6.99**	**143.7**	**31.66**	**1,405**	**9,158**	**.36**	**5.66**	**122.4**	**22.42**
Bay Shore (OH)	325	11,017	.56	6.99	143.7	31.66	1,405	9,158	.36	5.66	122.4	22.42
Tri State G & T Assn Inc	**4,406**	**10,203**	**.42**	**7.15**	**113.8**	**23.23**	**456**	**10,052**	**.43**	**6.73**	**57.0**	**11.46**
Nucla (CO)	317	10,907	.85	18.91	103.1	22.50	—	—	—	—	—	—
Craig (CO)	4,089	10,149	.39	6.24	114.7	23.29	456	10,052	.43	6.73	57.0	11.46
Tucson Electric Power Co	**3,210**	**9,322**	**.79**	**16.96**	**137.9**	**25.71**	**198**	**11,270**	**.47**	**9.68**	**191.5**	**43.16**
Irvington (AZ)	10	9,553	.45	15.62	289.2	55.25	198	11,270	.47	9.68	191.5	43.16
Springerville (AZ)	3,199	9,322	.79	16.96	137.4	25.61	—	—	—	—	—	—
Union Electric Co	**4,492**	**9,095**	**.41**	**5.22**	**101.5**	**18.46**	**13,125**	**8,888**	**.41**	**5.34**	**93.5**	**16.61**
Labadie (MO)	3,464	8,726	.29	4.78	93.7	16.36	4,806	8,941	.39	5.37	91.6	16.39
Meramec (MO)	399	11,131	1.08	6.68	131.5	29.28	1,068	9,846	.46	5.83	114.3	22.50
Sioux (MO)	355	10,671	.95	8.41	132.1	28.20	2,702	9,058	.57	5.41	93.6	16.96
Rush Island (MO)	274	8,750	.22	4.50	95.0	16.63	4,549	8,507	.32	5.15	89.7	15.27
United Illuminating Co	**493**	**13,153**	**.51**	**7.02**	**184.7**	**48.58**	**164**	**13,091**	**.59**	**6.12**	**170.3**	**44.59**
Bridgeport Harbor (CT)	493	13,153	.51	7.02	184.7	48.58	164	13,091	.59	6.12	170.3	44.59
United Power Assn	**917**	**6,720**	**.74**	**7.90**	**71.7**	**9.64**	—	—	—	—	—	—
Stanton (ND)	917	6,720	.74	7.90	71.7	9.64	—	—	—	—	—	—

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric Utility, and Plant, 1998 (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)
UtiliCorp United Inc	**1,606**	**9,614**	**0.38**	**5.87**	**90.1**	**17.33**	—	—	—	—	—	—
Sibley (MO)	1,606	9,614	.38	5.87	90.1	17.33	—	—	—	—	—	—
Vineland City of	**26**	**12,868**	**.78**	**6.21**	**192.2**	**49.48**	—	—	—	—	—	—
H M Down (NJ)	26	12,868	.78	6.21	192.2	49.48	—	—	—	—	—	—
Virginia Electric & Power Co	**10,088**	**12,451**	**1.28**	**11.78**	**128.5**	**31.99**	**3,993**	**12,452**	**1.21**	**10.80**	**131.2**	**32.68**
Bremo Bluff (VA)	428	11,989	.81	11.72	140.5	33.70	122	12,550	.92	9.49	139.4	34.98
Chesterfield (VA)	1,440	12,802	1.09	8.18	141.3	36.18	1,534	12,669	1.04	8.64	138.4	35.06
Chesapeake Energy (VA)	1,372	12,851	.95	8.71	142.7	36.68	261	12,777	1.03	8.79	143.1	36.55
Possum Point (VA)	815	12,084	.83	11.50	142.0	34.31	84	12,732	1.12	8.86	145.6	37.09
Yorktown (VA)	557	12,853	1.42	7.00	148.2	38.09	174	12,259	1.49	10.16	144.4	35.40
Mount Storm (WV)	3,930	12,184	1.68	15.53	112.5	27.41	989	12,089	1.59	15.27	115.5	27.92
Clover (VA)	1,546	12,622	1.04	10.23	125.4	31.66	829	12,381	1.14	10.62	126.7	31.38
West Penn Power Co	**4,657**	**12,787**	**2.32**	**9.45**	**134.9**	**34.50**	**364**	**12,532**	**2.04**	**10.16**	**102.9**	**25.78**
Armstrong (PA)	601	12,584	1.81	9.84	110.8	27.88	364	12,532	2.04	10.16	102.9	25.78
Hatfield (PA)	3,391	12,924	2.19	9.14	140.3	36.27	—	—	—	—	—	—
Mitchell (PA)	665	12,274	3.42	10.65	128.1	31.45	—	—	—	—	—	—
West Texas Utilities Co	**2,142**	**8,456**	**.42**	**5.24**	**136.5**	**23.08**	**971**	**8,492**	**.33**	**5.01**	**101.4**	**17.23**
Oklaunion (TX)	2,142	8,456	.42	5.24	136.5	23.08	971	8,492	.33	5.01	101.4	17.23
Western Farmers Elec Coop Inc	**1,604**	**8,745**	**.35**	**5.36**	**100.5**	**17.58**	**101**	**8,429**	**.45**	**5.16**	**83.4**	**14.06**
Hugo (OK)	1,604	8,745	.35	5.36	100.5	17.58	101	8,429	.45	5.16	83.4	14.06
Wisconsin Electric Power Co	**8,732**	**9,784**	**.55**	**6.28**	**106.8**	**20.90**	**1,683**	**10,646**	**.79**	**6.01**	**119.7**	**25.49**
Presque Isle (MI)	1,764	10,121	.44	6.75	124.7	25.23	37	11,710	.56	5.43	156.7	36.70
Oak Creek (WI)	1,458	10,958	.68	8.66	129.7	28.42	1,115	10,716	.82	5.82	122.8	26.32
Port Washington (WI)	363	13,232	1.30	7.01	138.1	36.54	231	13,068	1.30	7.18	139.6	36.48
Valley (WI)	706	13,120	1.60	7.27	150.5	39.49	—	—	—	—	—	—
Pleasant Prairie (WI)	4,441	8,453	.33	5.09	73.8	12.47	299	8,380	.31	5.90	74.6	12.50
Wisconsin Power & Light Co	**5,876**	**8,674**	**.40**	**5.40**	**108.9**	**18.89**	**2,491**	**8,639**	**.36**	**5.64**	**102.8**	**17.77**
Edgewater (WI)	2,067	8,584	.34	5.35	120.6	20.70	817	8,840	.39	5.39	118.3	20.91
Nelson Dewey (WI)	516	9,323	.34	4.28	120.0	22.38	24	12,075	.90	5.52	145.5	35.15
Rock River (WI)	309	9,347	.35	4.26	121.8	22.77	61	11,093	.65	5.15	151.9	33.71
Columbia (WI)	2,984	8,554	.45	5.74	97.2	16.64	1,588	8,387	.33	5.78	91.0	15.27
Wisconsin Public Service Corp	**3,553**	**8,847**	**.23**	**4.60**	**103.3**	**18.27**	**12**	**8,356**	**.29**	**5.90**	**93.3**	**15.59**
Pulliam (WI)	1,479	8,866	.19	4.39	97.2	17.23	—	—	—	—	—	—
Weston (WI)	2,074	8,833	.26	4.75	107.6	19.01	12	8,356	.29	5.90	93.3	15.59
Wyandotte Municipal Serv Comm	**111**	**12,506**	**1.13**	**11.06**	**141.6**	**35.41**	—	—	—	—	—	—
Wyandotte (MI)	111	12,506	1.13	11.06	141.6	35.41	—	—	—	—	—	—
Total	**749,553**	**10,074**	**1.03**	**9.28**	**126.5**	**25.50**	**179,895**	**10,937**	**1.20**	**8.79**	**119.8**	**26.21**

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 its power plants which are located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.

4 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Approximatley 90 percnt of the coal delivered to the Cora facility is transferred to the Allen plant. Most of the remaining coal is transferred to the Paradise plant. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 60 percent of the coal delivered to the GRT facility is later delivered to the Gallatin plant. Widdows Creek, Johnsonville, Paradise, and Cumberland each receive approximately 8 percent. Colbert and Shawnee each receive approximately 4 percent. All coal delivered to GRT is shown in this report as being delivered to Tennessee.

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

* = Number less than 0.5.

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

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

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1998

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Alabama Electric Coop Inc	**1,510**	**133.6**	**32.31**	**2.13**	**6**	**373.6**	**20.48**	**0.05**	**—**	**—**	**—**	**100**	*****	**—**
Lowman (AL)	1,510	133.6	32.31	2.13	6	373.6	20.48	.05	—	—	—	100	*	—
Alabama Power Co[3]	**23,958**	**168.3**	**38.28**	**.89**	**65**	**273.3**	**16.09**	**.00**	**1,731**	**247.5**	**2.59**	**100**	*****	*****
Barry (AL)	3,318	197.1	48.25	.72	—	—	—	—	630	253.5	2.77	99	—	1
Gadsden (AL)	233	157.9	40.16	1.87	*	359.4	20.83	.00	294	238.0	2.42	95	*	5
Gorgas 2 and 3 (AL)	4,449	166.3	40.50	1.62	22	279.4	16.45	.00	—	—	—	100	*	—
Greene (AL)	1,559	122.5	29.55	1.78	1	327.0	19.26	.00	11	276.1	2.86	100	*	*
Gaston (AL)	4,534	176.7	44.05	.96	39	268.7	15.80	.00	—	—	—	100	*	—
James Miller (AL)	9,865	161.7	32.61	.41	2	248.8	14.77	.00	796	245.5	2.50	100	*	*
Alexandria City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,725**	**158.9**	**1.66**	**—**	**—**	**100**
Alexandria-Hunter (LA)	—	—	—	—	—	—	—	—	1,725	158.9	1.66	—	—	100
American Mun Power Ohio Inc	**826**	**83.5**	**19.35**	**5.18**	**—**	**—**	**—**	**—**	**62**	**384.6**	**4.00**	**100**	**—**	*****
Gorsuch (OH)	826	83.5	19.35	5.18	—	—	—	—	62	384.6	4.00	100	—	*
Ames City of	**231**	**145.8**	**25.86**	**.18**	**9**	**335.1**	**19.32**	**.20**	**—**	**—**	**—**	**99**	**1**	**—**
Ames (IA)	231	145.8	25.86	.18	9	335.1	19.32	.20	—	—	—	99	1	—
Anchorage City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**6,148**	**203.9**	**2.04**	**—**	**—**	**100**
George Sullivan (AK)	—	—	—	—	—	—	—	—	6,148	203.9	2.04	—	—	100
Appalachian Power Co	**12,419**	**139.0**	**34.04**	**.75**	**215** [2]	**367.6**	**21.46**	**.02**	**—**	**—**	**—**	**100**	*****	**—**
Clinch River (VA)	1,889	129.7	32.13	.75	8	347.1	20.32	.04	—	—	—	100	*	—
Glen Lyn (VA)	715	137.9	35.30	.89	26	351.8	20.48	.00	—	—	—	99	1	—
Amos (WV)	6,032	141.4	34.41	.78	152 [2]	366.2	21.42	.03	—	—	—	99	1	—
Kanawha River (WV)	1,017	131.9	32.32	.81	4	446.4	26.01	.00	—	—	—	100	*	—
Mountaineer (WV)	2,765	143.0	34.82	.65	25	387.4	22.38	*	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc	**1,360**	**114.0**	**21.97**	**.55**	**—**	**—**	**—**	**—**	**1,700**	**196.5**	**2.00**	**94**	**—**	**6**
Apache (AZ)	1,360	114.0	21.97	.55	—	—	—	—	1,700	196.5	2.00	94	—	6
Arizona Public Service Co	**12,145**	**113.3**	**20.76**	**.66**	**62**	**402.6**	**23.35**	**.05**	**18,064**	**253.0**	**2.57**	**92**	*****	**8**
Cholla (AZ)	3,851	137.5	26.68	.44	6	507.6	29.45	.05	25	321.8	3.28	100	*	*
Ocotillo (AZ)	—	—	—	—	—	—	—	—	3,747	250.6	2.54	—	—	100
Phoenix (AZ)	—	—	—	—	56	391.4	22.70	.05	6,297	259.7	2.63	—	5	95
Saguaro (AZ)	—	—	—	—	—	—	—	—	2,210	240.0	2.44	—	—	100
Yucca (AZ)	—	—	—	—	—	—	—	—	4,156	217.6	2.21	—	—	100
Four Corners (NM)	8,294	101.0	18.01	.76	—	—	—	—	1,629	340.2	3.44	99	—	1
Arkansas Power & Light Co	**11,667**	**149.1**	**25.97**	**.28**	**78**	**375.7**	**22.31**	**.50**	**22,561**	**224.0**	**2.29**	**90**	*****	**10**
Couch (AR)	—	—	—	—	—	—	—	—	4,430	205.2	2.18	—	—	100
Lake Catherine (AR)	—	—	—	—	—	—	—	—	12,956	229.1	2.32	—	—	100
Ritchie (AR)	—	—	—	—	—	—	—	—	5,175	228.2	2.31	—	—	100
Whitebluff (AR)	5,935	159.0	27.37	.34	36	378.3	22.47	.50	—	—	—	100	*	—
Independence (AR)	5,732	139.1	24.52	.22	43	373.4	22.18	.50	—	—	—	100	*	—
Associated Electric Coop Inc	**9,376**	**85.0**	**15.01**	**.19**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Madrid (MO)	4,717	95.9	16.94	.19	—	—	—	—	—	—	—	100	—	—
Hill (MO)	4,659	73.9	13.06	.19	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co	**676**	**184.9**	**47.35**	**1.99**	**356**	**242.8**	**15.34**	**.67**	**220** [2]	**282.0**	**2.97**	**88**	**11**	**1**
England (NJ)	506	181.5	46.43	2.36	350	240.1	15.19	.68	—	—	—	86	14	—
Deepwater (NJ)	170	194.9	50.11	.91	6	419.1	23.90	.10	220 [2]	282.0	2.97	94	1	5
Austin City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**34,231**	**233.9**	**2.38**	**—**	**—**	**100**
Decker Creek (TX)	—	—	—	—	—	—	—	—	22,728	230.7	2.35	—	—	100
Holly (TX)	—	—	—	—	—	—	—	—	11,503	240.2	2.45	—	—	100
Baltimore Gas & Electric Co	**5,058**	**139.9**	**35.76**	**.88**	**1,903**	**208.5**	**13.25**	**.96**	**3,552**	**256.6**	**2.69**	**89**	**8**	**3**
Brandon Shores (MD)	3,255	139.9	35.29	.70	23	307.2	17.94	.17	—	—	—	100	*	—
Crane (MD)	745	139.6	37.13	1.67	2	312.8	18.31	.10	—	—	—	100	*	—
Gould St (MD)	—	—	—	—	124	215.0	13.71	.98	928	255.2	2.67	—	45	55

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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Baltimore Gas & Electric Co														
Wagner (MD)	1,058	140.0	36.21	0.85	1,754	206.7	13.15	0.97	2,067	257.3	2.69	67	27	5
Riverside (MD)	—	—	—	—	—	—	—	—	556	256.1	2.68	—	—	100
Basin Electric Power Coop	**17,198**	**59.8**	**8.90**	**.56**	**62**	**329.3**	**19.05**	**.35**	**—**	**—**	**—**	**100**	*****	**—**
Leland Olds (ND)	3,597	78.6	10.57	.73	11	298.3	17.27	.34	—	—	—	100	*	—
Laramie River (WY)	7,845	45.6	7.67	.39	37	374.1	21.66	.34	—	—	—	100	*	—
Antelope Valley (ND)	5,755	72.6	9.52	.69	14	238.4	13.76	.40	—	—	—	100	*	—
Big Rivers Electric Corp	**3,023**	**96.9**	**21.78**	**2.95**	**16**	**326.4**	**18.92**	**.00**	**30**	**380.2**	**3.80**	**100**	*****	*****
Coleman (KY)	662	108.8	24.72	1.49	—	—	—	—	30	380.2	3.80	100	—	*
Reid-Henderson (KY)	591	100.6	23.55	2.90	16	326.4	18.92	.00	—	—	—	99	1	—
R D Green (KY)	904	89.2	19.08	3.49	—	—	—	—	—	—	—	100	—	—
Wilson (KY)	865	93.0	21.15	3.54	—	—	—	—	—	—	—	100	—	—
Black Hills Corp	**518**	**45.9**	**7.39**	**.66**	**3**	**437.7**	**26.26**	**.04**	**—**	**—**	**—**	**100**	*****	**—**
Neal Simpson II (WY)	518	45.9	7.39	.66	3	437.7	26.26	.04	—	—	—	100	*	—
Boston Edison Co	**—**	**—**	**—**	**—**	**2,201**	**205.7**	**13.10**	**.91**	**6,767**	**331.2**	**3.43**	**—**	**67**	**33**
Mystic (MA)	—	—	—	—	2,201	205.7	13.10	.91	180	260.5	2.84	—	99	1
New Boston (MA)	—	—	—	—	—	—	—	—	6,587	333.2	3.45	—	—	100
Braintree City of	**—**	**—**	**—**	**—**	**5**	**237.6**	**13.85**	**.18**	**751**	**245.5**	**2.53**	**—**	**4**	**96**
Potter Station (MA)	—	—	—	—	5	237.6	13.85	.18	751	245.5	2.53	—	4	96
Brazos Electric Power Coop Inc	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**20,034**	**223.2**	**2.26**	**—**	**—**	**100**
North Texas (TX)	—	—	—	—	—	—	—	—	828	217.3	2.24	—	—	100
Miller (TX)	—	—	—	—	—	—	—	—	19,206	223.5	2.26	—	—	100
Bryan City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**7,925**	**213.5**	**2.19**	**—**	**—**	**100**
Bryan (TX)	—	—	—	—	—	—	—	—	2,476	210.8	2.16	—	—	100
Dansby (TX)	—	—	—	—	—	—	—	—	5,448	214.8	2.20	—	—	100
Burbank City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,093**	**276.8**	**2.83**	**—**	**—**	**100**
Magnolia-Olive (CA)	—	—	—	—	—	—	—	—	1,093	276.8	2.83	—	—	100
Burlington City of	**—**	**—**	**—**	**—**	**4**	**327.1**	**18.70**	**.39**	**187**	**286.1**	**2.90**	**92**	**1**	**7**
J C McNeil (VT)	—	—	—	—	4	327.1	18.70	.39	187	286.1	2.90	92	1	7
Cajun Electric Power Coop Inc	**6,730**	**148.1**	**25.18**	**.43**	**46**	**300.7**	**17.68**	**.04**	**6,511**	**226.8**	**2.37**	**94**	*****	**6**
Big Cajun No.1 (LA)	—	—	—	—	—	—	—	—	6,511	226.8	2.37	—	—	100
Big Cajun No.2 (LA)	6,730	148.1	25.18	.43	46	300.7	17.68	.04	—	—	—	100	*	—
Cambridge Electric Light Co	**—**	**—**	**—**	**—**	**144**	**263.1**	**16.51**	**.37**	**706**	**243.3**	**2.43**	**—**	**56**	**44**
Kendall Square (MA)	—	—	—	—	144	263.1	16.51	.37	706	243.3	2.43	—	56	44
Canal Electric Co	**—**	**—**	**—**	**—**	**9,870**	**185.1**	**11.77**	**.93**	**3,124**	**286.8**	**2.96**	**—**	**95**	**5**
Canal (MA)	—	—	—	—	9,870	185.1	11.77	.93	3,124	286.8	2.96	—	95	5
Cardinal Operating Co	**4,404**	**158.2**	**38.78**	**1.70**	**26**	**336.1**	**19.37**	**.00**	**—**	**—**	**—**	**100**	*****	**—**
Cardinal (OH)	4,404	158.2	38.78	1.70	26	336.1	19.37	.00	—	—	—	100	*	—
Carolina Power & Light Co	**12,369**	**148.4**	**36.63**	**.91**	**322**	**312.7**	**18.12**	**.20**	**—**	**—**	**—**	**99**	**1**	**—**
Asheville (NC)	1,007	143.3	35.96	1.01	7	330.4	19.13	.20	—	—	—	100	*	—
Cape Fear (NC)	799	147.8	36.31	.95	79	307.7	17.83	.20	—	—	—	98	2	—
Lee (NC)	765	152.7	37.72	.94	67	301.2	17.46	.20	—	—	—	98	2	—
Roxboro (NC)	5,828	147.7	36.40	.91	58	322.9	18.71	.20	—	—	—	100	*	—
Sutton (NC)	1,306	148.6	37.07	.99	75	316.1	18.32	.20	—	—	—	99	1	—
Weatherspoon (NC)	324	162.7	41.71	.93	13	300.3	17.41	.20	—	—	—	99	1	—
Robinson (SC)	415	149.6	36.41	1.33	8	348.3	20.19	.20	—	—	—	100	*	—
Mayo (NC)	1,926	148.9	36.27	.69	15	317.9	18.41	.20	—	—	—	100	*	—
Cedar Falls City of	**25**	**141.7**	**36.34**	**2.73**	**—**	**—**	**—**	**—**	**130**	**252.9**	**2.53**	**83**	**—**	**17**
Streeter (IA)	25	141.7	36.34	2.73	—	—	—	—	130	252.9	2.53	83	—	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 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Central Electric Pwr Coop-MO	**151**	**129.3**	**28.22**	**2.71**	*****	**498.5**	**28.78**	**0.04**	**—**	**—**	**—**	**100**	*****	**—**
Chamois (MO)	151	129.3	28.22	2.71	*	498.5	28.78	.04	—	—	—	100	*	—
Central Hudson Gas & Elec Corp	**990**	**168.0**	**43.72**	**.64**	**5,091**	**188.5**	**11.96**	**1.20**	**6,173**	**242.5**	**2.47**	**40**	**50**	**10**
Danskammer (NY)	990	168.0	43.72	.64	—	—	—	—	2,261	231.7	2.36	92	—	8
Roseton (NY)	—	—	—	—	5,091	188.5	11.96	1.20	3,912	248.8	2.53	—	89	11
Central Illinois Light Co	**2,898**	**143.7**	**31.29**	**2.53**	**15**	**414.5**	**24.13**	**.04**	**—**	**—**	**—**	**100**	*****	**—**
Edwards (IL)	1,679	126.9	27.92	2.07	11	420.7	24.46	.04	—	—	—	100	*	—
Duck Creek (IL)	1,219	167.3	35.93	3.16	4	396.6	23.17	.05	—	—	—	100	*	—
Central Illinois Pub Serv Co	**6,218**	**141.0**	**28.66**	**.98**	**238**	**296.2**	**18.39**	**.30**	**—**	**—**	**—**	**99**	**1**	**—**
Coffeen (IL)	2,029	169.2	34.65	1.07	11	364.3	21.12	.16	—	—	—	100	*	—
Grand Tower (IL)	334	98.1	21.70	3.02	2	330.7	19.12	.28	—	—	—	100	*	—
Hutsonville (IL)	219	108.5	24.21	2.68	5	355.4	20.57	.29	—	—	—	99	1	—
Meredosia (IL)	569	128.6	27.87	2.07	206	287.8	18.06	.31	—	—	—	91	9	—
Newton (IL)	3,067	131.9	25.91	.38	14	350.5	20.27	.27	—	—	—	100	*	—
Central Iowa Power Coop	**147**	**115.1**	**26.35**	**2.87**	**20**	**352.9**	**20.60**	**.05**	**5**	**384.1**	**3.89**	**97**	**3**	*****
Summit Lake (IA)	—	—	—	—	20	352.9	20.60	.05	—	—	—	—	100	—
Fair Station (IA)	147	115.1	26.35	2.87	—	—	—	—	5	384.1	3.89	100	—	*
Central Louisiana Elec Co Inc	**5,172**	**137.7**	**20.17**	**.79**	**—**	**—**	**—**	**—**	**34,407**	**217.9**	**2.28**	**68**	**—**	**32**
Dolet Hills (LA)	3,555	136.8	18.49	.92	—	—	—	—	139	296.8	3.04	100	—	*
Coughlin (LA)	—	—	—	—	—	—	—	—	8,315	219.6	2.30	—	—	100
Teche (LA)	—	—	—	—	—	—	—	—	14,957	220.3	2.31	—	—	100
Rodemacher (LA)	1,617	139.2	23.86	.51	—	—	—	—	10,996	212.2	2.22	71	—	29
Central Maine Power Co	**—**	**—**	**—**	**—**	**3,204**	**202.1**	**12.84**	**1.25**	**—**	**—**	**—**	**—**	**100**	**—**
Mason (ME)	—	—	—	—	42	268.7	17.00	.28	—	—	—	—	100	—
Wyman (ME)	—	—	—	—	3,161	201.2	12.78	1.26	—	—	—	—	100	—
Central Operating Co	**2,487**	**122.5**	**29.79**	**1.50**	**25**	**378.9**	**21.79**	**.01**	**—**	**—**	**—**	**100**	*****	**—**
Sporn (WV)	2,487	122.5	29.79	1.50	25	378.9	21.79	.01	—	—	—	100	*	—
Central Power & Light Co	**2,499**	**139.4**	**27.37**	**.37**	**4**	**349.5**	**20.55**	**.50**	**132,695**	**209.8**	**2.16**	**27**	*****	**73**
Joslin (TX)	—	—	—	—	—	—	—	—	6,631	210.6	2.17	—	—	100
Bates (TX)	—	—	—	—	—	—	—	—	7,785	207.3	2.13	—	—	100
Laredo (TX)	—	—	—	—	—	—	—	—	8,227	213.0	2.25	—	—	100
Hill (TX)	—	—	—	—	—	—	—	—	19,772	207.2	2.12	—	—	100
Nueces Bay (TX)	—	—	—	—	—	—	—	—	29,674	210.8	2.16	—	—	100
La Palma (TX)	—	—	—	—	—	—	—	—	9,955	208.4	2.14	—	—	100
Victoria (TX)	—	—	—	—	—	—	—	—	9,530	210.9	2.18	—	—	100
Davis (TX)	—	—	—	—	—	—	—	—	41,121	210.0	2.15	—	—	100
Coleto Creek (TX)	2,499	139.4	27.37	.37	4	349.5	20.55	.50	—	—	—	100	*	—
Chugach Electric Assn Inc	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**12,739**	**168.1**	**1.68**	**—**	**—**	**100**
Beluga (AK)	—	—	—	—	—	—	—	—	12,739	168.1	1.68	—	—	100
Cincinnati Gas & Electric Co	**11,563**	**111.1**	**26.76**	**2.20**	**172**	**335.4**	**19.30**	**.22**	**—**	**—**	**—**	**100**	*****	**—**
Beckjord (OH)	3,163	113.4	27.26	1.29	54	327.1	18.85	.35	—	—	—	100	*	—
Miami Fort (OH)	2,991	121.7	29.13	1.13	48	352.4	20.33	.09	—	—	—	100	*	—
East Bend (KY)	1,696	104.9	25.42	2.58	18	329.7	18.90	.27	—	—	—	100	*	—
Zimmer (OH)	3,712	103.4	25.04	3.67	51	330.1	18.94	.20	—	—	—	100	*	—
Cleveland Electric Illum Co	**4,383**	**138.1**	**35.55**	**1.87**	**46**	**359.5**	**20.86**	**.29**	**—**	**—**	**—**	**100**	*****	**—**
Ashtabula (OH)	345	103.2	26.07	3.70	5	339.3	19.71	.04	—	—	—	100	*	—
Avon Lake (OH)	1,334	140.9	35.68	.89	10	364.8	21.17	.33	—	—	—	100	*	—
Eastlake (OH)	2,573	140.4	36.52	2.20	15	371.4	21.55	.32	—	—	—	100	*	—
Lake Shore (OH)	132	154.2	40.13	.71	15	350.9	20.34	.33	—	—	—	97	3	—
Coffeyville City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,098**	**219.1**	**2.19**	**—**	**—**	**100**
Coffeyville (KS)	—	—	—	—	—	—	—	—	1,098	219.1	2.19	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Colorado Springs City of	**1,590**	**127.6**	**26.96**	**0.40**	**—**	**—**	**—**	**—**	**748**	**357.6**	**3.53**	**98**	**—**	**2**
Drake (CO)	771	167.5	35.06	.36	—	—	—	—	191	359.4	3.55	99	—	1
Birdsall (CO)	—	—	—	—	—	—	—	—	557	357.0	3.52	—	—	100
Nixon (CO)	818	90.6	19.33	.43	—	—	—	—	—	—	—	100	—	—
Columbia City of	**28**	**202.2**	**53.36**	**1.19**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Columbia (MO)	28	202.2	53.36	1.19	—	—	—	—	—	—	—	100	—	—
Columbus Southern Power Co	**4,367**	**139.7**	**33.27**	**2.76**	**16**	**326.6**	**19.29**	**0.01**	**—**	**—**	**—**	**100**	*****	**—**
Conesville (OH)	4,208	141.0	33.63	2.74	13	327.5	19.35	.01	—	—	—	100	*	—
Picway (OH)	158	103.3	23.77	3.29	3	322.4	19.01	.01	—	—	—	100	*	—
Commonwealth Edison Co[4]	**15,626**	**222.6**	**39.43**	**.35**	**770**	**250.1**	**15.79**	**.62**	**48,140**	**220.0**	**2.24**	**84**	**1**	**14**
Crawford (IL)	25	131.3	22.69	.20	—	—	—	—	—	—	—	100	—	—
Joliet (IL)	3,763	284.8	49.80	.36	—	—	—	—	—	—	—	100	—	—
Kincaid (IL)	361	178.7	40.18	1.22	—	—	—	—	2	386.0	3.90	100	—	*
Powerton (IL)	3,570	198.6	34.68	.26	—	—	—	—	122	372.7	3.73	100	—	*
Waukegan (IL)	2,536	208.5	36.30	.45	—	—	—	—	—	—	—	100	—	—
Will County (IL)	5,371	206.1	36.81	.30	126	298.8	17.45	.25	—	—	—	99	1	—
Collins (IL)	—	—	—	—	644	241.4	15.46	.69	45,924	219.5	2.24	15	7	78
Fisk Storage (IL)	—	—	—	—	—	—	—	—	2,091	221.3	2.27	—	—	100
Connecticut Light & Power Co	**—**	**—**	**—**	**—**	**9,908**	**218.6**	**13.98**	**.71**	**10,340**	**237.0**	**2.44**	**—**	**86**	**14**
Devon (CT)	—	—	—	—	1,739	220.0	14.05	.93	1,885	228.3	2.32	—	85	15
Montville (CT)	—	—	—	—	2,429	206.4	13.50	.72	129	278.3	2.86	—	99	1
Norwalk Harbor (CT)	—	—	—	—	2,770	217.0	13.83	.85	—	—	—	—	100	—
Middletown (CT)	—	—	—	—	2,970	229.7	14.48	.45	8,325	238.3	2.46	—	69	31
Consolidated Edison Co-NY Inc	**—**	**—**	**—**	**—**	**4,804**	**219.1**	**13.71**	**.27**	**88,847**	**233.7**	**2.41**	**—**	**25**	**75**
Arthur Kill (NY)	—	—	—	—	—	—	—	—	12,549	224.4	2.31	—	—	100
East River (NY)	—	—	—	—	400	243.7	15.30	.29	3,490	234.5	2.42	—	41	59
Ravenswood (NY)	—	—	—	—	157	221.7	13.95	.28	32,088	234.7	2.42	—	3	97
Waterside (NY)	—	—	—	—	—	—	—	—	6,284	238.4	2.46	—	—	100
Astoria (NY)	—	—	—	—	682	215.2	13.59	.28	34,436	235.1	2.42	—	11	89
Storage Facility #7	—	—	—	—	2,172	219.0	13.64	.27	—	—	—	—	100	—
Storage Facility #5	—	—	—	—	956	212.1	13.29	.27	—	—	—	—	100	—
Storage Facility #3	—	—	—	—	434	218.1	13.68	.29	—	—	—	—	100	—
Consumers Power Co	**8,395**	**142.9**	**31.74**	**.67**	**1,354**	**253.9**	**16.27**	**.91**	**3,791**	**259.0**	**2.60**	**94**	**4**	**2**
Cobb (MI)	1,162	121.1	23.99	.66	2	316.7	18.36	.50	—	—	—	100	*	—
Karn-Weadock (MI)	952	152.6	37.19	.84	1,254	249.4	16.10	.94	3,791	259.0	2.60	66	23	11
Campbell (MI)	4,059	150.0	34.02	.64	23	301.3	17.46	.50	—	—	—	100	*	—
Weadock (MI)	1,370	127.0	25.72	.57	68	321.8	18.65	.50	—	—	—	99	1	—
Whiting (MI)	851	146.6	35.00	.83	6	330.7	19.17	.50	—	—	—	100	*	—
Coop Power Assn	**7,046**	**81.1**	**10.13**	**.68**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Coal Creek (ND)	7,046	81.1	10.13	.68	—	—	—	—	—	—	—	100	—	—
Dairyland Power Coop	**2,554**	**112.6**	**21.95**	**.41**	**15**	**342.6**	**20.15**	**.50**	**—**	**—**	**—**	**100**	*****	**—**
Alma-Madgett (WI)	1,673	104.6	19.35	.31	8	342.3	20.12	.50	—	—	—	100	*	—
Genoa No.3 (WI)	881	125.8	26.87	.58	7	343.1	20.18	.50	—	—	—	100	*	—
Dayton Power & Light Co	**8,366**	**125.4**	**29.24**	**.79**	**83**	**315.4**	**18.22**	**.25**	**366**	**447.5**	**4.56**	**100**	*****	*****
Hutchings (OH)	369	137.6	34.49	.83	—	—	—	—	366	447.5	4.56	96	—	4
Stuart (OH)	5,962	123.9	28.56	.84	43	323.7	18.65	.35	—	—	—	100	*	—
Killen (OH)	2,034	127.3	30.29	.63	40	306.4	17.75	.13	—	—	—	100	*	—
Delmarva Power & Light Co	**1,744**	**156.3**	**40.52**	**.98**	**2,302**	**207.5**	**13.19**	**.92**	**11,050** [2]	**297.6**	**2.89**	**64**	**21**	**15**
Edgemoor (DE)	538	158.9	40.27	.73	1,729	207.8	13.22	.66	2,963	178.9	1.41	51	41	9
Indian River (DE)	1,206	155.2	40.63	1.09	70	319.9	18.61	.21	—	—	—	99	1	—
Vienna (MD)	—	—	—	—	503	192.5	12.31	1.92	—	—	—	—	100	—
Hay Road (DE)	—	—	—	—	—	—	—	—	8,086 [2]	330.7	3.43	—	—	100
Denton City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**4,026**	**242.5**	**2.55**	**—**	**—**	**100**
Spencer (TX)	—	—	—	—	—	—	—	—	4,026	242.5	2.55	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Deseret Generation & Tran Coop	**1,723**	**193.2**	**39.22**	**0.43**	**5**	**558.0**	**32.34**	**0.00**	**—**	**—**	**—**	**100**	*****	**—**
Bonanza (UT)	1,723	193.2	39.22	.43	5	558.0	32.34	.00	—	—	—	100	*	—
Detroit City of	**—**	**—**	**—**	**—**	**206**	**385.9**	**23.60**	**.68**	**2,144**	**329.4**	**3.41**	**—**	**36**	**64**
Mistersky (MI)	—	—	—	—	206	385.9	23.60	.68	2,144	329.4	3.41	—	36	64
Detroit Edison Co	**22,811**	**128.7**	**26.61**	**.66**	**826**	**297.7**	**17.72**	**.45**	**34,602**	**212.3**	**.97**	**96**	**1**	**3**
Harbor Beach (MI)	151	151.8	40.55	.81	7	386.8	22.22	.18	—	—	—	99	1	—
Marysville (MI)	83	149.0	39.19	.75	—	—	—	—	193	304.6	3.05	92	—	8
Monroe (MI)	9,119	115.1	24.85	.76	62	374.4	21.60	.25	—	—	—	100	*	—
River Rouge (MI)	1,583	117.9	25.31	.62	3	354.9	20.52	.21	23,096	147.7	.27	89	*	11
St Clair (MI)	5,353	145.1	28.88	.71	121	370.8	21.54	.16	307	298.4	3.02	99	1	*
Trenton Channel (MI)	2,055	113.7	24.05	.72	16	337.5	19.52	.24	—	—	—	100	*	—
Belle River (MI)	4,467	149.9	28.39	.35	44	344.3	19.87	.21	—	—	—	100	*	—
Greenwood (MI)	—	—	—	—	573	269.1	16.21	.56	11,008	232.5	2.35	—	25	75
Dover City of	**—**	**—**	**—**	**—**	**318**	**231.3**	**14.62**	**.81**	**99**	**311.0**	**3.21**	**—**	**95**	**5**
Mckee Run (DE)	—	—	—	—	318	231.3	14.62	.81	99	311.0	3.21	—	95	5
Duke Power Co	**16,299**	**140.5**	**34.96**	**.89**	**107**	**304.4**	**17.74**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Allen (NC)	1,759	141.1	35.37	.78	30	303.4	17.71	.30	—	—	—	100	*	—
Buck (NC)	670	141.3	33.63	1.00	—	—	—	—	—	—	—	100	—	—
Cliffside (NC)	1,589	134.3	33.97	.91	12	319.2	18.63	.30	—	—	—	100	*	—
Dan River (NC)	392	138.9	34.53	1.04	—	—	—	—	—	—	—	100	—	—
Marshall (NC)	4,674	131.6	32.56	.98	34	303.7	17.67	.30	—	—	—	100	*	—
Riverbend (NC)	789	136.6	33.89	.99	—	—	—	—	—	—	—	100	—	—
Lee (SC)	435	145.9	36.56	.89	15	293.8	17.10	.30	—	—	—	99	1	—
Belews Creek (NC)	5,991	149.2	37.18	.81	16	306.3	17.85	.30	—	—	—	100	*	—
Duquesne Light Co	**2,091**	**163.0**	**41.18**	**1.98**	**76**	**312.5**	**18.05**	**.15**	**247**	**349.3**	**3.63**	**99**	**1**	*****
Brunot Is (PA)	—	—	—	—	43	320.8	18.55	.12	—	—	—	—	100	—
Elrama (PA)	1,121	206.9	51.04	2.06	33	301.7	17.40	.18	—	—	—	99	1	—
Cheswick (PA)	970	114.7	29.79	1.90	—	—	—	—	247	349.3	3.63	99	—	1
East Kentucky Power Coop Inc	**3,752**	**114.0**	**28.10**	**.84**	**17**	**333.8**	**19.43**	**.14**	**—**	**—**	**—**	**100**	*****	**—**
Cooper (KY)	783	113.3	27.96	1.18	4	332.0	19.32	.20	—	—	—	100	*	—
Dale (KY)	466	112.7	27.80	.85	6	328.1	19.10	.12	—	—	—	100	*	—
Spurlock (KY)	2,503	114.4	28.20	.73	7	339.6	19.77	.12	—	—	—	100	*	—
El Paso Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**33,784**	**203.1**	**2.08**	**—**	**—**	**100**
Rio Grande (TX)	—	—	—	—	—	—	—	—	10,544	198.7	2.03	—	—	100
Newman (TX)	—	—	—	—	—	—	—	—	23,240	205.1	2.10	—	—	100
Electric Energy Inc	**5,191**	**83.3**	**14.55**	**.22**	**4**	**422.9**	**24.31**	**.20**	**354**	**258.9**	**2.74**	**100**	*****	*****
Joppa (IL)	5,191	83.3	14.55	.22	4	422.9	24.31	.20	354	258.9	2.74	100	*	*
Empire District Electric Co	**1,212**	**106.9**	**19.71**	**.58**	**3**	**334.6**	**19.60**	**.07**	**702**	**229.5**	**2.30**	**97**	*****	**3**
Riverton (KS)	318	116.6	22.52	.93	—	—	—	—	702	229.5	2.30	90	—	10
Asbury (MO)	893	103.2	18.71	.45	3	334.6	19.60	.07	—	—	—	100	*	—
Fayetteville Public Works Comm	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,879**	**267.9**	**2.81**	**—**	**—**	**100**
Butler Warner (NC)	—	—	—	—	—	—	—	—	1,879	267.9	2.81	—	—	100
Florida Power & Light Co	**—**	**—**	**—**	**—**	**40,910**	**207.7**	**13.18**	**1.39**	**189,533**	**276.3**	**2.91**	**—**	**57**	**43**
Cape Canaveral (FL)	—	—	—	—	3,973	208.1	13.21	1.44	8,632	277.0	2.92	—	74	26
Cutler (FL)	—	—	—	—	—	—	—	—	3,000	268.0	2.83	—	—	100
Fort Myers (FL)	—	—	—	—	5,200	183.2	11.68	2.02	—	—	—	—	100	—
Lauderdale (FL)	—	—	—	—	32	320.0	17.93	.20	51,192	277.3	2.92	—	*	100
Port Everglades (FL)	—	—	—	—	6,335	211.6	13.42	1.00	8,338	280.8	2.96	—	82	18
Riviera (FL)	—	—	—	—	4,165	183.5	11.74	2.02	4,904	278.1	2.93	—	84	16
Sanford (FL)	—	—	—	—	4,777	209.8	13.24	2.07	8,305	277.7	2.92	—	78	22
Turkey Point (FL)	—	—	—	—	3,301	222.9	14.12	1.02	13,386	267.0	2.81	—	60	40
Manatee (FL)	—	—	—	—	8,944	214.7	13.60	.99	—	—	—	—	100	—
Martin (FL)	—	—	—	—	4,183	226.5	14.34	.85	70,022	276.8	2.92	—	26	74
Putnam (FL)	—	—	—	—	—	—	—	—	21,754	276.6	2.91	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Florida Power Corp[5]	**5,593**	**173.0**	**43.60**	**0.83**	**10,768**	**189.8**	**12.35**	**1.70**	**1,174** [2]	**341.5**	**3.52**	**66**	**33**	**1**
Crystal River (FL)	3,534	173.5	43.87	.92	98	342.4	20.09	.45	—	—	—	99	1	—
Bartow (FL)	—	—	—	—	2,017	177.1	11.53	2.15	238 [2]	663.8	6.96	—	98	2
Suwannee (FL)	—	—	—	—	517	239.7	15.31	2.06	935	257.6	2.65	—	77	23
Anclote (FL)	—	—	—	—	13	328.2	19.25	.46	—	—	—	—	100	—
IMT Transfer (LA)	2,059	172.2	43.13	.69	—	—	—	—	—	—	—	100	—	—
Storage Facility # 1	—	—	—	—	8,124	188.0	12.26	1.59	—	—	—	—	100	—
Fort Pierre City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,162**	**217.7**	**2.29**	**—**	**—**	**100**
H D King (FL)	—	—	—	—	—	—	—	—	1,162	217.7	2.29	—	—	100
Fremont City of	**236**	**92.3**	**15.91**	**.28**	**—**	**—**	**—**	**—**	**123**	**208.2**	**2.08**	**97**	**—**	**3**
Wright (NE)	236	92.3	15.91	.28	—	—	—	—	123	208.2	2.08	97	—	3
Gainesville Regional Utilities	**639**	**165.8**	**43.43**	**.66**	**93**	**274.9**	**17.43**	**1.40**	**3,448**	**265.0**	**2.79**	**80**	**3**	**17**
Deerhaven (FL)	639	165.8	43.43	.66	64	285.1	18.07	1.35	2,321	264.3	2.78	85	2	12
Jr Kelly (FL)	—	—	—	—	29	252.3	16.04	1.52	1,127	266.6	2.82	—	13	87
Garland City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**10,881**	**206.2**	**2.09**	**—**	**—**	**100**
Newman (TX)	—	—	—	—	—	—	—	—	1,139	211.4	2.16	—	—	100
Olinger (TX)	—	—	—	—	—	—	—	—	9,742	205.6	2.09	—	—	100
Georgia Power Co	**30,903**	**154.8**	**36.40**	**.84**	**733**	**327.5**	**19.05**	**.50**	**6,729**	**332.2**	**3.42**	**98**	**1**	**1**
Arkwright (GA)	130	161.7	41.21	1.87	11	317.4	18.46	.50	2,706	335.2	3.47	54	1	45
Atkinson-Mcdonough (GA)	1,368	136.7	34.96	1.02	75	278.4	16.20	.50	4,023	330.2	3.39	88	1	10
Bowen (GA)	7,620	141.5	34.85	.91	49	333.2	19.38	.50	—	—	—	100	*	—
Hammond (GA)	1,300	151.1	38.49	.90	18	333.5	19.40	.50	—	—	—	100	*	—
Harllee Branch (GA)	3,263	157.3	38.94	1.28	11	325.1	18.91	.50	—	—	—	100	*	—
Mcmanus (GA)	—	—	—	—	326	343.1	19.96	.50	—	—	—	—	100	—
Mitchell (GA)	216	171.4	43.80	1.31	104	313.5	18.24	.50	—	—	—	90	10	—
Yates (GA)	2,201	153.2	39.36	1.03	18	330.3	19.22	.50	—	—	—	100	*	—
Wansley (GA)	4,116	147.0	36.29	1.08	87	330.2	19.20	.50	—	—	—	100	*	—
Scherer (GA)	10,688	172.1	35.90	.49	33	313.1	18.21	.50	—	—	—	100	*	—
Glendale City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**2,899**	**270.8**	**2.76**	**—**	**—**	**100**
Glendale (CA)	—	—	—	—	—	—	—	—	2,899	270.8	2.76	—	—	100
Grand Haven City of	**178**	**139.4**	**32.47**	**2.38**	**—**	**—**	**—**	**—**	**20**	**453.8**	**4.54**	**100**	**—**	*****
J B Simms (MI)	178	139.4	32.47	2.38	—	—	—	—	20	453.8	4.54	100	—	*
Grand Island City of	**406**	**67.6**	**11.80**	**.45**	**—**	**—**	**—**	**—**	**490**	**243.9**	**2.44**	**94**	**—**	**6**
Platte (NE)	406	67.6	11.80	.45	—	—	—	—	—	—	—	100	—	—
Burdick (NE)	—	—	—	—	—	—	—	—	490	243.9	2.44	—	—	100
Grand River Dam Authority	**3,895**	**87.4**	**14.89**	**.41**	**1**	**244.7**	**14.13**	**.40**	**376**	**235.6**	**2.36**	**99**	*****	**1**
GRDA No 1 (OK)	3,895	87.4	14.89	.41	1	244.7	14.13	.40	376	235.6	2.36	99	*	1
Greenville City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**739**	**195.8**	**2.06**	**—**	**—**	**100**
Power Lane (TX)	—	—	—	—	—	—	—	—	739	195.8	2.06	—	—	100
Gulf Power Co	**3,616**	**153.1**	**37.32**	**1.47**	**47**	**326.6**	**19.00**	**.45**	**2,805**	**224.0**	**2.27**	**97**	*****	**3**
Crist (FL)	2,472	156.9	38.30	1.02	7	328.5	19.11	.45	2,805	224.0	2.27	95	*	4
Scholtz (FL)	138	160.7	41.25	1.33	*	330.1	19.20	.45	—	—	—	100	*	—
Smith (FL)	1,007	142.6	34.37	2.59	40	326.2	18.98	.45	—	—	—	99	1	—
Gulf States Utilities Co	**2,141**	**137.8**	**23.96**	**.44**	**355**	**191.5**	**12.05**	**.25**	**191,327**	**225.7**	**2.35**	**16**	**1**	**83**
Nelson (LA)	2,141	137.8	23.96	.44	16	322.6	18.91	.34	24,803	212.6	2.21	59	*	41
Willow Glen (LA)	—	—	—	—	339	185.7	11.72	.25	46,283	225.8	2.35	—	4	96
Lewis Creek (TX)	—	—	—	—	—	—	—	—	24,666	214.7	2.29	—	—	100
Sabine (TX)	—	—	—	—	—	—	—	—	91,650	232.0	2.41	—	—	100
Spindletop Storage (TX)	—	—	—	—	—	—	—	—	3,924	231.4	2.36	—	—	100
Hamilton City of	**165**	**140.7**	**34.62**	**.73**	**—**	**—**	**—**	**—**	**304**	**277.6**	**2.85**	**93**	**—**	**7**
Hamilton (OH)	165	140.7	34.62	.73	—	—	—	—	304	277.6	2.85	93	—	7

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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Hastings City of	**323**	**63.6**	**10.95**	**0.31**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Hastings (NE)	323	63.6	10.95	.31	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc	**—**	**—**	**—**	**—**	**6,916**	**261.5**	**16.39**	**0.45**	**—**	**—**	**—**	**—**	**100**	**—**
Kahe (HI)	—	—	—	—	757	251.8	15.85	.44	—	—	—	—	100	—
Waiau (HI)	—	—	—	—	117	263.2	16.53	.38	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	6,042	262.7	16.45	.45	—	—	—	—	100	—
Holland City of	**176**	**171.2**	**44.12**	**.80**	**—**	**—**	**—**	**—**	**257**	**218.9**	**2.24**	**95**	**—**	**5**
James De Young (MI)	176	171.2	44.12	.80	—	—	—	—	257	218.9	2.24	95	—	5
Holyoke Water Power Co	**380**	**178.9**	**46.98**	**1.04**	**5**	**328.9**	**19.03**	**.27**	**—**	**—**	**—**	**100**	*****	**—**
Mount Tom (MA)	380	178.9	46.98	1.04	5	328.9	19.03	.27	—	—	—	100	*	—
Hoosier Energy R E C Inc	**3,975**	**125.3**	**27.50**	**2.84**	**17**	**324.2**	**18.79**	*****	**—**	**—**	**—**	**100**	*****	**—**
Frank E Ratts (IN)	739	133.7	29.66	1.27	3	333.3	19.32	.01	—	—	—	100	*	—
Merom (IN)	3,236	123.4	27.00	3.20	13	322.1	18.67	.00	—	—	—	100	*	—
Houston Lighting & Power Co	**20,141**	**145.4**	**22.35**	**.65**	**—**	**—**	**—**	**—**	**233,231**	**213.3**	**2.19**	**56**	**—**	**44**
Limestone (TX)	8,708	91.3	11.81	.98	—	—	—	—	876	208.8	2.14	99	—	1
Cedar Bayou (TX)	—	—	—	—	—	—	—	—	69,262	211.6	2.18	—	—	100
Deepwater (TX)	—	—	—	—	—	—	—	—	1,740	214.9	2.22	—	—	100
Green Bayou (TX)	—	—	—	—	—	—	—	—	9,309	216.3	2.23	—	—	100
Robinson (TX)	—	—	—	—	—	—	—	—	64,257	212.4	2.19	—	—	100
Bertron (TX)	—	—	—	—	—	—	—	—	14,850	214.8	2.22	—	—	100
Wharton (TX)	—	—	—	—	—	—	—	—	24,368	216.7	2.21	—	—	100
Parish (TX)	11,433	176.3	30.39	.39	—	—	—	—	27,151	211.6	2.18	88	—	12
Webster (TX)	—	—	—	—	—	—	—	—	8,899	214.0	2.22	—	—	100
Storage Facility #2	—	—	—	—	—	—	—	—	12,519	220.5	2.21	—	—	100
IES Utilities Co	**5,365**	**88.8**	**14.96**	**.36**	**66**	**331.9**	**19.52**	*****	**2,293** [2]	**286.7**	**2.87**	**97**	*****	**2**
6th St (IA)	176	144.2	29.10	.44	—	—	—	—	1,220	279.2	2.79	74	—	26
Praire Creek (IA)	857	85.1	14.26	.34	1	355.0	20.75	.00	532	291.4	2.91	96	*	4
Sutherland (IA)	526	71.7	11.97	.33	58	326.0	19.17	.00	529	286.9	2.87	92	3	5
Burlington (IA)	669	84.2	14.25	.46	1	378.7	22.27	.00	11 [2]	867.3	8.67	100	*	*
Ottumwa (IA)	3,136	89.9	15.02	.34	6	381.1	22.41	.03	—	—	—	100	*	—
Illinois Power Co	**8,054**	**114.3**	**25.06**	**2.25**	**164**	**329.0**	**20.39**	**.72**	**1,809** [2]	**224.3**	**2.30**	**98**	**1**	**1**
Baldwin (IL)	4,964	105.8	22.72	2.85	12	353.1	20.76	.30	—	—	—	100	*	—
Havana (IL)	916	136.7	31.80	.52	148	326.5	20.34	.76	18	354.0	3.54	96	4	*
Hennepin (IL)	735	114.3	24.77	2.83	—	—	—	—	112 [2]	279.1	2.89	99	—	1
Vermilion (IL)	487	110.7	23.07	1.48	4	354.3	20.83	.30	211	236.9	2.44	98	*	2
Wood River (IL)	952	135.0	32.04	.70	—	—	—	—	1,469	216.7	2.22	94	—	6
Imperial Irrigation District	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**3,832**	**306.9**	**3.10**	**—**	**—**	**100**
El Centro (CA)	—	—	—	—	—	—	—	—	3,832	306.9	3.10	—	—	100
Independence City of	**104**	**117.9**	**25.48**	**3.35**	**7**	**463.6**	**26.75**	**.05**	**299**	**263.6**	**2.66**	**87**	**2**	**12**
Blue Valley (MO)	104	117.9	25.48	3.35	7	463.6	26.75	.05	299	263.6	2.66	87	2	12
Indiana-Kentucky Electric Corp	**4,486**	**118.8**	**23.99**	**.95**	**5**	**364.5**	**20.82**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Clifty Creek (IN)	4,486	118.8	23.99	.95	5	364.5	20.82	.30	—	—	—	100	*	—
Indiana Michigan Power Co	**11,890**	**109.9**	**20.82**	**.44**	**75**	**332.1**	**19.11**	**.00**	*****	**415.4**	**4.15**	**100**	*****	*****
Tanners Creek (IN)	1,942	121.2	29.83	1.13	31	312.1	18.19	.00	—	—	—	100	*	—
Rockport (IN)	9,948	106.9	19.06	.30	44	346.3	19.75	.00	*	415.4	4.15	100	*	*
Indianapolis Power & Light Co	**7,689**	**98.5**	**21.81**	**2.34**	**95**	**292.7**	**17.03**	**.06**	**—**	**—**	**—**	**100**	*****	**—**
Stout (IN)	1,552	111.1	24.60	1.17	75	287.5	16.75	.04	—	—	—	99	1	—
Pritchard (IN)	625	105.2	23.09	1.08	14	310.8	17.99	.04	—	—	—	99	1	—
Petersburg (IN)	5,512	94.3	20.89	2.82	6	316.2	18.28	.26	—	—	—	100	*	—
Interstate Power Co	**2,021**	**138.4**	**26.96**	**.81**	**13**	**322.8**	**18.98**	**.02**	**1,270**	**229.7**	**2.30**	**97**	*****	**3**
Dubuque (IA)	232	105.5	23.08	2.77	1	319.2	18.77	.04	1	398.5	3.98	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Interstate Power Co														
Lansing (IA)	1,123	151.4	26.74	0.60	9	321.7	18.92	0.03	—	—	—	100	*	—
Kapp (IA)	666	132.1	28.69	.48	—	—	—	—	35	354.6	3.55	100	—	*
Fox Lake (MN)	—	—	—	—	3	327.1	19.23	.00	1,235	226.1	2.26	—	1	99
Jacksonville Electric Auth	**3,287**	**158.0**	**38.81**	**.99**	**5,579**	**205.3**	**13.01**	**1.45**	**5,946**	**244.5**	**2.59**	**72**	**24**	**4**
St Johns River (FL)	3,287	158.0	38.81	.99	41	340.5	19.88	.36	—	—	—	100	*	—
Kennedy (FL)	—	—	—	—	499	222.5	14.10	.76	335	242.9	2.58	—	90	10
Northside (FL)	—	—	—	—	4,516	200.9	12.73	1.61	4,293	241.8	2.56	—	86	14
Southside (FL)	—	—	—	—	523	216.8	13.80	.87	1,319	253.5	2.68	—	70	30
Jamestown City of	**96**	**130.2**	**33.00**	**2.15**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Samuel A Carlson (NY)	96	130.2	33.00	2.15	—	—	—	—	—	—	—	100	—	—
Jersey Central Power&Light Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**695**	**290.2**	**3.01**	**—**	**—**	**100**
Sayreville (NJ)	—	—	—	—	—	—	—	—	695	290.2	3.01	—	—	100
Kansas City City of	**1,662**	**93.5**	**16.63**	**.43**	**46**	**325.3**	**18.85**	**.50**	**558**	**247.0**	**2.48**	**97**	**1**	**2**
Kaw (KS)	—	—	—	—	—	—	—	—	51	193.1	1.94	—	—	100
Quindaro (KS)	482	125.0	25.94	.58	40	325.9	18.89	.50	507	252.3	2.54	93	2	5
Nearman (KS)	1,180	77.4	12.83	.37	6	320.9	18.60	.50	—	—	—	100	*	—
Kansas City Power & Light Co	**10,751**	**72.9**	**12.67**	**.47**	**135**	**328.0**	**19.09**	**.12**	**452**	**238.0**	**2.38**	**99**	*****	*****
La Cygne (KS)	5,033	66.5	11.52	.61	96	324.9	18.93	.10	—	—	—	99	1	—
Hawthorne (MO)	1,143	66.9	11.67	.33	—	—	—	—	452	238.0	2.38	98	—	2
Montrose (MO)	1,786	88.4	15.39	.34	27	338.1	19.66	.13	—	—	—	99	1	—
Iatan (MO)	2,789	77.0	13.43	.35	12	329.8	19.11	.20	—	—	—	100	*	—
Kansas Gas & Electric Co	**—**	**—**	**—**	**—**	**82**	**153.7**	**10.16**	**1.08**	**14,009**	**214.3**	**2.16**	**—**	**4**	**96**
Evans (KS)	—	—	—	—	—	—	—	—	8,862	217.0	2.19	—	—	100
Gill (KS)	—	—	—	—	82	153.7	10.16	1.08	5,147	209.7	2.11	—	9	91
Kansas Power & Light Co	**9,830**	**112.4**	**19.52**	**.38**	**24**	**348.9**	**20.22**	**.36**	**3,295** [2]	**221.4**	**2.24**	**98**	*****	**2**
Hutchinson (KS)	—	—	—	—	10	360.5	20.90	.50	2,692	212.5	2.15	—	2	98
Lawrence (KS)	793	115.2	24.75	.43	—	—	—	—	140 [2]	340.1	3.37	99	—	1
Tecumseh (KS)	471	114.0	24.23	.43	—	—	—	—	463	238.2	2.39	96	—	4
Jeffrey Energy Cnt (KS)	8,566	111.9	18.78	.38	14	340.4	19.73	.25	—	—	—	100	*	—
Kentucky Power Co	**2,936**	**108.4**	**26.52**	**1.18**	**18**	**343.5**	**20.08**	**.01**	**—**	**—**	**—**	**100**	*****	**—**
Big Sandy (KY)	2,936	108.4	26.52	1.18	18	343.5	20.08	.01	—	—	—	100	*	—
Kentucky Utilities Co	**7,338**	**112.0**	**27.00**	**1.48**	**58**	**417.1**	**24.53**	**.40**	**—**	**—**	**—**	**100**	*****	**—**
Brown (KY)	1,515	112.2	27.05	1.32	7	443.2	26.06	.40	—	—	—	100	*	—
Ghent (KY)	5,149	112.6	27.21	1.44	32	407.0	23.93	.40	—	—	—	100	*	—
Green River (KY)	571	104.0	24.30	2.37	5	429.3	25.24	.40	—	—	—	100	*	—
Tyrone (KY)	103	120.1	31.05	.78	14	421.9	24.80	.40	—	—	—	97	3	—
Lafayette City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**5,995**	**213.5**	**2.29**	**—**	**—**	**100**
Bonin (LA)	—	—	—	—	—	—	—	—	5,995	213.5	2.29	—	—	100
Lake Worth City of	**—**	**—**	**—**	**—**	**18**	**389.2**	**22.95**	**.35**	**2,214**	**284.8**	**3.00**	**—**	**4**	**96**
Tom G Smith (FL)	—	—	—	—	18	389.2	22.95	.35	2,214	284.8	3.00	—	4	96
Lakeland City of	**628**	**175.9**	**45.29**	**1.25**	**211**	**232.3**	**14.47**	**2.01**	**7,179**	**301.1**	**3.19**	**66**	**5**	**29**
Larsen Mem (FL)	—	—	—	—	77	231.0	14.46	1.99	3,373	304.6	3.23	—	12	88
Plant 3-Mcintosh (FL)	628	175.9	45.29	1.25	134	233.1	14.48	2.02	3,807	298.0	3.15	78	4	18
Lansing City of	**1,116**	**154.5**	**33.94**	**.63**	**10**	**360.9**	**20.67**	**.28**	**—**	**—**	**—**	**100**	*****	**—**
Eckert (MI)	749	150.0	31.01	.52	8	362.4	20.76	.28	—	—	—	100	*	—
Erickson (MI)	367	162.2	39.93	.86	2	355.9	20.36	.30	—	—	—	100	*	—
Long Island Lighting Co	**—**	**—**	**—**	**—**	**7,456**	**188.5**	**12.05**	**.90**	**55,513**	**249.0**	**2.55**	**—**	**46**	**54**
Barrett (NY)	—	—	—	—	58	257.1	16.12	.29	14,808	261.7	2.73	—	2	98
Far Rockaway (NY)	—	—	—	—	—	—	—	—	3,831	250.7	2.61	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Long Island Lighting Co														
Glenwood (NY)	—	—	—	—	—	—	—	—	5,701	247.8	2.57	—	—	100
Northport (NY)	—	—	—	—	5,471	188.4	12.05	0.92	24,162	243.6	2.47	—	59	41
Port Jefferson (NY)	—	—	—	—	1,927	187.0	11.91	.87	7,011	240.0	2.43	—	63	37
Los Angeles City of	**5,460**	**134.3**	**31.45**	**0.52**	**—**	**—**	**—**	**—**	**29,302**	**307.8**	**3.13**	**81**	**—**	**19**
Harbor (CA)	—	—	—	—	—	—	—	—	4,781	341.9	3.47	—	—	100
Haynes (CA)	—	—	—	—	—	—	—	—	13,934	288.0	2.91	—	—	100
Scattergood (CA)	—	—	—	—	—	—	—	—	10,587	318.2	3.27	—	—	100
Intermountain (UT)	5,460	134.3	31.45	.52	—	—	—	—	—	—	—	100	—	—
Louisiana Power & Light Co	**—**	**—**	**—**	**—**	**276**	**240.6**	**15.56**	**.97**	**128,961** [2]	**237.7**	**2.48**	**—**	**1**	**99**
Little Gypsy (LA)	—	—	—	—	2	473.1	28.56	.30	33,117 [2]	236.7	2.47	—	*	100
Nine Mile (LA)	—	—	—	—	11	473.1	28.65	.30	68,891	237.4	2.47	—	*	100
Sterlington (LA)	—	—	—	—	*	402.5	23.46	.14	9,722	219.3	2.28	—	*	100
Waterford (LA)	—	—	—	—	263	230.1	14.92	1.00	17,231 [2]	251.0	2.61	—	9	91
Louisville Gas & Electric Co	**6,948**	**97.4**	**22.23**	**3.35**	**42**	**454.1**	**26.70**	**.22**	**775**	**330.1**	**3.38**	**99**	*****	*****
Cane Run (KY)	1,423	98.4	22.21	3.30	1	609.7	35.85	.25	484	340.7	3.49	98	*	2
Mill Creek (KY)	3,941	100.2	22.94	3.24	34	457.1	26.88	.21	292	312.4	3.20	99	*	*
Trimble County (KY)	1,584	89.4	20.48	3.64	7	411.5	24.19	.25	—	—	—	100	*	—
Lower Colorado River Authority	**5,694**	**94.7**	**16.27**	**.34**	**—**	**—**	**—**	**—**	**37,692**	**205.6**	**2.09**	**72**	**—**	**28**
Gideon (TX)	—	—	—	—	—	—	—	—	22,388	202.9	2.06	—	—	100
T C Ferguson (TX)	—	—	—	—	—	—	—	—	15,304	209.7	2.12	—	—	100
S Seymour-Fayette (TX)	5,694	94.7	16.27	.34	—	—	—	—	—	—	—	100	—	—
Lubbock City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**5,405**	**214.7**	**2.17**	**—**	**—**	**100**
Holly Ave (TX)	—	—	—	—	—	—	—	—	4,998	208.2	2.11	—	—	100
Plant 2 (TX)	—	—	—	—	—	—	—	—	406	295.9	2.97	—	—	100
Madison Gas & Electric Co	**156**	**137.3**	**29.45**	**1.41**	**2**	**307.0**	**18.00**	**.04**	**2,043**	**243.8**	**2.46**	**62**	*****	**38**
Blount (WI)	156	137.3	29.45	1.41	2	307.0	18.00	.04	2,043	243.8	2.46	62	*	38
Manitowoc Public Utilities	**112**	**160.5**	**41.40**	**1.19**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Manitowoc (WI)	112	160.5	41.40	1.19	—	—	—	—	—	—	—	100	—	—
Marquette City of	**179**	**121.2**	**23.60**	**.39**	**11**	**364.3**	**21.12**	**.03**	**—**	**—**	**—**	**98**	**2**	**—**
Shiras (MI)	179	121.2	23.60	.39	11	364.3	21.12	.03	—	—	—	98	2	—
Massachusetts Mun Wholes El Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**6,829**	**223.2**	**2.29**	**—**	**—**	**100**
Stonybrook (MA)	—	—	—	—	—	—	—	—	6,829	223.2	2.29	—	—	100
Medina Electric Coop Inc	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**440**	**244.3**	**2.79**	**—**	**—**	**100**
Pearsall (TX)	—	—	—	—	—	—	—	—	440	244.3	2.79	—	—	100
Metropolitan Edison Co	**1,262**	**138.8**	**36.67**	**1.30**	**68**	**342.3**	**19.55**	**.30**	**—**	**—**	**—**	**99**	**1**	**—**
Portland (PA)	754	140.3	37.08	1.29	62	344.5	19.68	.30	—	—	—	98	2	—
Titus (PA)	508	136.4	36.05	1.31	6	319.4	18.24	.30	—	—	—	100	*	—
Michigan South Central Pwr Agy	**139**	**158.5**	**37.66**	**3.28**	**5**	**312.8**	**18.52**	**.30**	**—**	**—**	**—**	**99**	**1**	**—**
Project I (MI)	139	158.5	37.66	3.28	5	312.8	18.52	.30	—	—	—	99	1	—
MidAmerican Energy	**13,017**	**76.2**	**12.95**	**.36**	**16**	**317.7**	**18.15**	**.00**	**685**	**376.0**	**3.82**	**100**	*****	*****
Riverside (IA)	485	81.8	14.06	.22	—	—	—	—	299	407.3	4.13	96	—	4
Council Bluffs (IA)	3,545	68.4	11.47	.38	7	320.7	18.32	.00	40	366.5	3.60	100	*	*
George Neal 1-4 (IA)	6,118	74.3	12.79	.37	9	315.3	18.01	.00	247	384.1	3.89	100	*	*
Louisa (IA)	2,869	89.1	14.94	.33	—	—	—	—	100	268.1	2.77	100	—	*
Minnesota Power & Light Co	**4,079**	**114.0**	**20.66**	**.54**	**25**	**352.0**	**20.27**	**.20**	**—**	**—**	**—**	**100**	*****	**—**
Laskin Energy Center (MN)	324	115.0	21.60	.35	2	330.7	19.03	.20	—	—	—	100	*	—
Boswell Energy Center (MN)	3,755	113.9	20.58	.56	23	354.1	20.39	.20	—	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Minnkota Power Coop Inc	**4,136**	**64.5**	**8.65**	**0.85**	**39**	**330.2**	**19.41**	**0.40**	**—**	**—**	**—**	**100**	*****	**—**
Young (ND)	4,136	64.5	8.65	.85	39	330.2	19.41	.40	—	—	—	100	*	—
Mississippi Power & Light Co	**—**	**—**	**—**	**—**	**8,342**	**198.7**	**13.14**	**2.82**	**32,416**	**219.2**	**2.26**	**—**	**62**	**38**
Wilson (MS)	—	—	—	—	4,227	196.6	13.01	2.66	20,718	219.5	2.27	—	57	43
Delta (MS)	—	—	—	—	28	201.2	13.18	3.00	4,832	220.4	2.27	—	4	96
Brown (MS)	—	—	—	—	4	369.6	21.85	.50	6,757	217.5	2.24	—	*	100
Gerald Andrus (MS)	—	—	—	—	4,082	200.8	13.26	2.98	110	230.7	2.38	—	100	*
Mississippi Power Co	**4,934**	**143.7**	**29.39**	**.72**	**21**	**310.2**	**18.06**	**.21**	**13,127**	**230.6**	**2.44**	**88**	*****	**12**
Eaton (MS)	—	—	—	—	—	—	—	—	2,372	231.5	2.45	—	—	100
Sweatt (MS)	—	—	—	—	—	—	—	—	3,208	234.2	2.43	—	—	100
Watson (MS)	2,103	139.8	31.66	1.20	9	315.8	18.50	.00	7,546	228.8	2.44	86	*	14
Daniel (MS)	2,831	147.2	27.70	.37	12	305.7	17.71	.37	—	—	—	100	*	—
Monongahela Power Co	**11,969**	**109.9**	**27.47**	**3.00**	**35**	**365.2**	**21.63**	**.30**	**348** [2]	**351.4**	**3.51**	**100**	*****	*****
Albright (WV)	413	105.7	26.72	1.55	7	374.2	22.16	.30	—	—	—	100	*	—
Ft Martin (WV)	2,616	122.8	30.86	1.52	20	352.2	20.86	.30	—	—	—	100	*	—
Harrison (WV)	5,207	114.4	28.64	3.53	3	374.2	22.16	.30	198 [2]	491.5	4.91	100	*	*
Rivesville (WV)	145	120.3	29.41	.92	2	375.7	22.25	.30	—	—	—	100	*	—
Willow Island (WV)	424	111.4	29.32	1.38	—	—	—	—	22	217.8	2.18	100	—	*
Pleasants (WV)	3,164	91.5	22.49	3.85	3	422.0	24.99	.30	128	157.8	1.58	100	*	*
Montana-Dakota Utilities Co	**3,025**	**87.8**	**12.15**	**1.00**	**5**	**378.0**	**21.68**	**.63**	**32** [2]	**230.9**	**2.64**	**100**	*****	*****
Heskett (ND)	416	110.2	15.56	.81	—	—	—	—	1	369.3	3.88	100	—	*
Lewis and Clark (MT)	277	91.1	12.21	.47	—	—	—	—	32 [2]	228.8	2.62	99	—	1
Coyote (ND)	2,332	83.3	11.54	1.09	5	378.0	21.68	.63	—	—	—	100	*	—
Montana Power Co	**10,243**	**66.9**	**11.34**	**.73**	**14**	**466.0**	**27.60**	**.00**	**168** [2]	**184.3**	**1.95**	**100**	*****	*****
Corette (MT)	397	54.4	9.04	.23	—	—	—	—	168 [2]	184.3	1.95	97	—	3
Colstrip (MT)	9,846	67.4	11.43	.75	14	466.0	27.60	.00	—	—	—	100	*	—
Montaup Electric Co	**308**	**179.5**	**45.58**	**.73**	**151**	**198.8**	**12.52**	**.94**	**—**	**—**	**—**	**89**	**11**	**—**
Somerset (MA)	308	179.5	45.58	.73	151	198.8	12.52	.94	—	—	—	89	11	—
Morgan City City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**896**	**220.6**	**2.33**	**—**	**—**	**100**
Morgan City (LA)	—	—	—	—	—	—	—	—	896	220.6	2.33	—	—	100
Muscatine City of	**852**	**89.6**	**15.72**	**.96**	**—**	**—**	**—**	**—**	**6**	**302.8**	**3.09**	**100**	**—**	*****
Muscatine (IA)	852	89.6	15.72	.96	—	—	—	—	6	302.8	3.09	100	—	*
Nebraska Public Power District	**6,477**	**49.2**	**8.50**	**.25**	**3**	**365.3**	**21.20**	**.04**	**631**	**262.0**	**2.62**	**99**	*****	**1**
Canaday (NE)	—	—	—	—	—	—	—	—	337	269.0	2.69	—	—	100
Sheldon (NE)	947	62.7	11.03	.22	—	—	—	—	17	475.0	4.75	100	—	*
Gerald Gentleman (NE)	5,530	46.8	8.06	.26	3	365.3	21.20	.04	277	240.9	2.41	100	*	*
Nevada Power Co	**1,826**	**123.2**	**28.84**	**.44**	**23**	**371.1**	**21.68**	**.30**	**23,357**	**250.2**	**2.59**	**64**	*****	**36**
Clark (NV)	—	—	—	—	—	—	—	—	22,287	250.2	2.59	—	—	100
Gardner (NV)	1,826	123.2	28.84	.44	23	371.1	21.68	.30	—	—	—	100	*	—
Sunrise (NV)	—	—	—	—	—	—	—	—	1,070	249.2	2.59	—	—	100
New England Power Co	**2,785**	**164.7**	**41.30**	**.67**	**3,119**	**198.8**	**12.63**	**1.44**	**16,306**	**325.0**	**3.34**	**66**	**19**	**16**
Brayton (MA)	2,238	164.7	41.30	.67	876	211.6	13.46	1.01	720	247.6	2.55	90	9	1
Salem Harbor (MA)	547	164.7	41.31	.67	2,242	193.8	12.31	1.61	—	—	—	49	51	—
Manchester St (RI)	—	—	—	—	—	—	—	—	15,586	328.5	3.38	—	—	100
New Orleans Public Service Inc	**—**	**—**	**—**	**—**	**588**	**226.2**	**14.86**	**1.50**	**30,238**	**219.9**	**2.29**	**—**	**11**	**89**
Michoud (LA)	—	—	—	—	588	226.2	14.86	1.50	30,238	219.9	2.29	—	11	89
New York State Elec & Gas Corp	**3,510**	**134.3**	**34.84**	**2.10**	**17**	**404.6**	**23.28**	**.14**	**—**	**—**	**—**	**100**	*****	**—**
Goudey (NY)	327	140.9	37.53	2.17	2	414.1	23.84	.12	—	—	—	100	*	—
Greenidge (NY)	356	139.6	36.70	1.50	2	384.2	22.11	.14	—	—	—	100	*	—
Hickling (NY)	210	124.7	25.92	.69	—	—	—	—	—	—	—	100	—	—
Jennison (NY)	66	162.1	42.40	1.56	—	—	—	—	—	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petro-leum	Gas
New York State Elec & Gas Corp														
Milliken (NY)	829	134.5	35.14	2.26	1	415.7	23.92	0.14	—	—	—	100	*	—
Kintigh (NY)	1,722	131.6	34.59	2.32	11	406.0	23.36	.14	—	—	—	100	*	—
Niagara Mohawk Power Corp	**3,233**	**137.2**	**36.01**	**1.82**	**2,888**	**234.3**	**14.83**	**1.09**	**11,472**	**237.3**	**2.42**	**74**	**16**	**10**
Albany (NY)	—	—	—	—	748	179.4	11.46	1.25	9,317	231.8	2.36	—	33	67
Huntley (NY)	1,809	142.1	37.26	1.67	12	345.1	19.24	.43	—	—	—	100	*	—
Dunkirk (NY)	1,425	131.0	34.43	2.01	13	339.2	19.02	.37	—	—	—	100	*	—
Oswego (NY)	—	—	—	—	2,116	252.9	15.97	1.03	2,155	260.9	2.67	—	86	14
Northern Indiana Pub Serv Co	**9,188**	**130.2**	**26.05**	**1.29**	**—**	**—**	**—**	**—**	**3,962** [2]	**278.2**	**2.85**	**98**	**—**	**2**
Bailly (IN)	1,449	136.2	29.95	2.52	—	—	—	—	187	319.8	3.29	99	—	1
Mitchell (IN)	1,138	140.5	25.97	.41	—	—	—	—	1,821	284.1	2.91	92	—	8
Michigan City (IN)	1,531	136.9	26.08	.60	—	—	—	—	1,546 [2]	265.5	2.72	95	—	5
Rollin Schahfer (IN)	5,070	124.3	24.95	1.35	—	—	—	—	409	281.1	2.89	100	—	*
Northern States Power Co	**13,406**	**104.2**	**18.36**	**.41**	**14**	**358.0**	**20.78**	**.40**	**1,428**	**252.6**	**2.57**	**99**	*****	**1**
Black Dog (MN)	966	98.7	17.39	.19	—	—	—	—	540	234.7	2.39	97	—	3
High Bridge (MN)	930	93.9	16.66	.19	—	—	—	—	216	252.2	2.57	99	—	1
King (MN)	1,291	103.6	18.33	.31	—	—	—	—	34	236.9	2.43	100	—	*
Riverside (MN)	1,440	90.8	16.12	.19	—	—	—	—	30	263.1	2.68	100	—	*
Pathfinder (SD)	—	—	—	—	—	—	—	—	5	176.7	1.77	—	—	100
Bay Front (WI)	70	167.8	41.07	.82	—	—	—	—	603	269.9	2.73	87	—	13
Sherburne County (MN)	8,709	107.5	18.84	.50	14	358.0	20.78	.40	—	—	—	100	*	—
Ohio Edison Co	**6,892**	**114.5**	**27.81**	**1.46**	**19** [2]	**295.1**	**17.11**	**.32**	**791**	**248.7**	**2.56**	**99**	*****	*****
Edgewater (OH)	—	—	—	—	—	—	—	—	791	248.7	2.56	—	—	100
Niles (OH)	524	106.8	25.80	3.16	7	143.1	8.30	.37	—	—	—	100	*	—
Burger (OH)	713	97.0	24.26	2.75	3 [2]	424.0	24.62	.26	—	—	—	100	*	—
Sammis (OH)	5,655	117.5	28.44	1.14	10	360.2	20.86	.30	—	—	—	100	*	—
Ohio Power Co	**14,258**	**168.3**	**39.40**	**2.69**	**171**	**340.5**	**19.81**	**.02**	**—**	**—**	**—**	**100**	*****	**—**
Muskingum (OH)	2,957	221.2	52.16	2.91	49	332.6	19.32	.01	—	—	—	100	*	—
Kammer (WV)	1,677	86.4	21.19	3.45	5	386.0	22.45	.05	—	—	—	100	*	—
Mitchell (WV)	3,262	143.5	35.42	.79	33	359.9	20.99	.06	—	—	—	100	*	—
Gavin (OH)	6,361	180.2	40.31	3.37	84	334.6	19.46	.00	—	—	—	100	*	—
Ohio Valley Electric Corp	**2,841**	**110.9**	**28.73**	**2.09**	**7**	**371.3**	**21.20**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Kyger Creek (OH)	2,841	110.9	28.73	2.09	7	371.3	21.20	.30	—	—	—	100	*	—
Oklahoma Gas & Electric Co	**9,882**	**82.2**	**14.20**	**.29**	**7**	**296.1**	**17.70**	**.04**	**79,104**	**252.8**	**2.62**	**68**	*****	**32**
Horseshoe Lake (OK)	—	—	—	—	—	—	—	—	12,350	231.9	2.40	—	—	100
Muskogee (OK)	5,841	84.4	14.49	.27	—	—	—	—	2,962	231.0	2.40	97	—	3
Mustang (OK)	—	—	—	—	—	—	—	—	7,515	232.3	2.41	—	—	100
Seminole (OK)	—	—	—	—	—	—	—	—	56,277	261.2	2.71	—	—	100
Sooner (OK)	4,041	79.2	13.77	.33	7	296.1	17.70	.04	—	—	—	100	*	—
Omaha Public Power District	**4,498**	**69.6**	**11.81**	**.27**	**11**	**351.3**	**20.29**	**.16**	**737**	**230.9**	**2.24**	**99**	*****	**1**
North Omaha (NE)	2,118	71.1	11.92	.30	—	—	—	—	737	230.9	2.24	98	—	2
Nebraska City (NE)	2,380	68.2	11.71	.25	11	351.3	20.29	.16	—	—	—	100	*	—
Orange & Rockland Utils Inc	**684**	**185.2**	**48.03**	**.64**	**1,659**	**203.4**	**12.77**	**.31**	**30,276**	**242.0**	**2.51**	**30**	**17**	**53**
Bowline (NY)	—	—	—	—	1,659	203.4	12.77	.31	25,525	243.0	2.53	—	28	72
Lovett (NY)	684	185.2	48.03	.64	—	—	—	—	4,751	236.2	2.46	78	—	22
Orlando Utilities Comm	**2,396**	**173.0**	**44.31**	**1.08**	**1,365**	**223.8**	**14.21**	**1.01**	**8,526** [2]	**277.4**	**2.90**	**78**	**11**	**11**
Stanton Energy (FL)	2,396	173.0	44.31	1.08	158	321.2	19.60	.70	—	—	—	98	2	—
Indian River (FL)	—	—	—	—	1,207	211.6	13.50	1.05	8,526 [2]	277.4	2.90	—	46	54
Orrville City of	**190**	**98.0**	**22.79**	**3.58**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Orrville (OH)	190	98.0	22.79	3.58	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co	**2,087**	**98.8**	**17.45**	**.65**	**3**	**358.9**	**21.11**	**.31**	**—**	**—**	**—**	**100**	*****	**—**
Hoot Lake (MN)	388	123.7	22.98	.37	3	358.9	21.11	.31	—	—	—	100	*	—
Big Stone (SD)	1,699	92.7	16.19	.72	—	—	—	—	—	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Owensboro City of	**1,321**	**96.2**	**20.81**	**3.12**	**1**	**305.9**	**17.99**	**0.08**	**—**	**—**	**—**	**90**	**10**	**—**
Smith (KY)	1,321	96.2	20.81	3.12	1	305.9	17.99	.08	—	—	—	90	10	—
Pacific Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**122,501**	**256.7**	**2.64**	**—**	**—**	**100**
Contra Costa (CA)	—	—	—	—	—	—	—	—	18,583	255.1	2.63	—	—	100
Humboldt Bay (CA)	—	—	—	—	—	—	—	—	2,774	256.6	2.64	—	—	100
Hunters Point (CA)	—	—	—	—	—	—	—	—	12,851	256.8	2.61	—	—	100
Morro Bay (CA)	—	—	—	—	—	—	—	—	5,741	261.7	2.69	—	—	100
Moss Landing (CA)	—	—	—	—	—	—	—	—	22,214	261.4	2.69	—	—	100
Pittsburg (CA)	—	—	—	—	—	—	—	—	48,933	254.5	2.64	—	—	100
Potrero (CA)	—	—	—	—	—	—	—	—	11,404	257.5	2.62	—	—	100
PacifiCorp	**31,484**	**100.1**	**18.83**	**.55**	**92**	**424.3**	**24.95**	**.30**	**4,122** [2]	**213.6**	**2.23**	**99**	*****	**1**
Carbon (UT)	592	62.7	15.09	.47	3	442.4	26.01	.30	—	—	—	100	*	—
Gadsby (UT)	—	—	—	—	—	—	—	—	4,045	202.5	2.11	—	—	100
Centralia (WA)	6,105	148.7	24.43	.59	14	407.5	23.96	.30	—	—	—	100	*	—
Johnston (WY)	4,034	57.4	9.02	.47	15	426.3	25.07	.30	—	—	—	100	*	—
Naughton (WY)	2,712	113.6	22.87	.80	—	—	—	—	77 [2]	796.0	8.31	100	—	*
Wyodak (WY)	2,122	72.8	11.72	.63	5	436.4	25.66	.30	—	—	—	100	*	—
Emery-Hunter (UT)	4,313	94.3	21.04	.43	18	416.0	24.46	.30	—	—	—	100	*	—
Jim Bridger (WY)	8,798	104.4	19.64	.58	21	432.9	25.45	.30	—	—	—	100	*	—
Huntington (UT)	2,808	75.4	17.08	.43	16	428.3	25.18	.30	—	—	—	100	*	—
Painesville City of	**94**	**135.7**	**33.97**	**2.43**	**—**	**—**	**—**	**—**	**9**	**468.6**	**4.69**	**100**	**—**	*****
Painesville (OH)	94	135.7	33.97	2.43	—	—	—	—	9	468.6	4.69	100	—	*
Pasadena City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**2,138**	**324.6**	**3.31**	**—**	**—**	**100**
Broadway (CA)	—	—	—	—	—	—	—	—	2,138	324.6	3.31	—	—	100
Pennsylvania Electric Co	**19,091**	**118.1**	**28.59**	**2.04**	**338**	**291.5**	**16.99**	**.05**	**172**	**1,500.9**	**15.48**	**100**	*****	*****
Conemaugh (PA)	5,187	107.7	27.19	2.30	—	—	—	—	172	1,500.9	15.48	100	—	*
Homer City (PA)	6,383	119.4	27.17	2.19	85	305.4	17.80	.05	—	—	—	100	*	—
Seward (PA)	519	111.5	27.07	1.55	33	289.1	16.86	.05	—	—	—	98	2	—
Shawville (PA)	1,681	113.8	27.92	1.78	84	292.9	17.07	.05	—	—	—	99	1	—
Warren (PA)	169	122.2	30.08	1.74	135	282.4	16.46	.05	—	—	—	84	16	—
Keystone (PA)	5,152	129.3	32.10	1.74	—	—	—	—	—	—	—	100	—	—
Pennsylvania Power & Light Co	**8,275**	**143.5**	**35.80**	**1.70**	**3,830**	**210.7**	**13.30**	**.87**	**2,814**	**286.8**	**2.94**	**89**	**10**	**1**
Brunner Island (PA)	3,146	151.5	39.55	1.68	40	325.2	18.87	.16	—	—	—	100	*	—
Holtwood (PA)	175	119.9	20.47	.74	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA)	503	134.1	35.33	1.79	—	—	—	—	2,814	286.8	2.94	82	—	18
Montour (PA)	3,397	142.7	36.15	1.92	116	338.7	19.66	.09	—	—	—	99	1	—
Sunbury (PA)	1,054	125.7	26.26	1.14	7	295.0	17.13	.12	—	—	—	100	*	—
Storage Facility #1	—	—	—	—	3,667	205.6	13.03	.90	—	—	—	—	100	—
Pennsylvania Power Co	**6,935**	**161.9**	**38.88**	**3.44**	**3**	**330.1**	**19.09**	**.17**	**—**	**—**	**—**	**100**	*****	**—**
New Castle (PA)	747	118.5	28.27	1.66	2	356.9	20.64	.07	—	—	—	100	*	—
Bruce Mansfield (PA)	6,187	167.1	40.16	3.65	1	287.1	16.61	.33	—	—	—	100	*	—
Philadelphia Electric Co	**1,274**	**144.4**	**38.07**	**1.71**	**2,782**	**231.7**	**14.70**	**.46**	**1,521**	**229.5**	**2.38**	**64**	**33**	**3**
Cromby (PA)	296	143.1	37.68	1.72	631	236.0	15.06	.64	114	223.1	2.31	65	34	1
Delaware (PA)	—	—	—	—	270	237.2	15.22	.36	—	—	—	—	100	—
Eddystone (PA)	978	144.8	38.19	1.70	1,760	229.8	14.53	.42	1,407	230.0	2.38	67	29	4
Schuylkill (PA)	—	—	—	—	121	222.8	14.07	.33	—	—	—	—	100	—
Plains Elec Gen&Trans Coop Inc	**767**	**139.0**	**25.75**	**.83**	**—**	**—**	**—**	**—**	**209**	**357.2**	**3.00**	**99**	**—**	**1**
Escalante (NM)	767	139.0	25.75	.83	—	—	—	—	209	357.2	3.00	99	—	1
Platte River Power Authority	**1,050**	**59.4**	**10.45**	**.26**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Rawhide (CO)	1,050	59.4	10.45	.26	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co	**2,014**	**108.9**	**18.92**	**.32**	**6**	**331.9**	**19.52**	**.05**	**28,915**	**154.1**	**1.56**	**54**	*****	**45**
Boardman (OR)	2,014	108.9	18.92	.32	—	—	—	—	—	—	—	100	—	—
Coyote Springs (OR)	—	—	—	—	6	331.9	19.52	.05	12,270	124.6	1.26	—	*	100
Beaver (OR)	—	—	—	—	—	—	—	—	16,644	175.8	1.78	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Potomac Edison Co	**160**	**131.0**	**32.03**	**0.92**	**2**	**314.2**	**18.61**	**0.30**	**—**	**—**	**—**	**100**	*****	**—**
Smith (MD)	160	131.0	32.03	.92	2	314.2	18.61	.30	—	—	—	100	*	—
Potomac Electric Power Co	**6,576**	**151.7**	**39.53**	**1.35**	**4,067**	**220.0**	**13.81**	**.84**	**1,436**	**279.7**	**2.92**	**86**	**13**	**1**
Benning (DC)	—	—	—	—	446	252.9	15.20	.99	—	—	—	—	100	—
Chalk (MD)	1,497	165.7	43.44	1.38	3,529	214.6	13.57	.84	1,436	279.7	2.92	62	35	2
Dickerson (MD)	1,358	136.7	35.58	1.44	6	294.5	17.15	.20	—	—	—	100	*	—
Morgantown (MD)	2,772	150.4	39.23	1.48	62	272.6	15.89	.30	—	—	—	100	*	—
Potomac River (VA)	949	155.1	39.89	.80	24	295.0	17.21	.20	—	—	—	99	1	—
Power Authority of State of NY	**—**	**—**	**—**	**—**	**1,969**	**219.1**	**13.75**	**.28**	**12,418**	**401.1**	**4.10**	**—**	**49**	**51**
Poletti (NY)	—	—	—	—	1,969	219.1	13.75	.28	4,184	255.4	2.66	—	74	26
Richard Flynn (NY)	—	—	—	—	—	—	—	—	8,234	477.2	4.84	—	—	100
Public Service Co of Colorado	**10,561**	**92.7**	**17.91**	**.38**	**—**	**—**	**—**	**—**	**2,668**	**287.7**	**2.85**	**99**	**—**	**1**
Arapahoe (CO)	716	82.9	14.47	.27	—	—	—	—	1,044	281.8	2.79	92	—	8
Cameo (CO)	271	96.9	20.98	.55	—	—	—	—	34	257.2	2.56	99	—	1
Cherokee (CO)	2,251	94.5	21.54	.47	—	—	—	—	400	315.3	3.12	99	—	1
Comanche (CO)	2,934	90.5	15.50	.27	—	—	—	—	86	268.0	2.66	100	—	*
Valmont (CO)	599	109.7	24.77	.47	—	—	—	—	163	286.6	2.82	99	—	1
Zuni (CO)	—	—	—	—	—	—	—	—	805	290.3	2.87	—	—	100
Hayden (CO)	1,622	96.4	20.40	.42	—	—	—	—	—	—	—	100	—	—
Pawnee (CO)	2,168	86.0	14.40	.37	—	—	—	—	137	258.4	2.68	100	—	*
PSI Energy Inc	**16,331**	**109.9**	**24.44**	**1.84**	**308**	**323.7**	**18.62**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Cayuga (IN)	2,657	117.8	25.68	1.55	12	339.6	19.54	.30	—	—	—	100	*	—
Edwardsport (IN)	244	97.8	21.79	1.86	23	335.5	19.30	.30	—	—	—	98	2	—
Noblesville (IN)	193	113.7	25.42	2.32	2	317.9	18.29	.30	—	—	—	100	*	—
Gallagher (IN)	1,206	106.6	27.95	2.10	35	336.8	19.38	.30	—	—	—	99	1	—
Wabash River (IN)	2,556	105.7	22.87	1.77	186	318.5	18.33	.30	—	—	—	98	2	—
Gibson Station (IN)	9,474	109.6	24.12	1.89	49	324.2	18.65	.30	—	—	—	100	*	—
Public Service Co of NH	**1,408**	**161.2**	**42.35**	**1.40**	**2,427**	**187.2**	**11.94**	**1.55**	**—**	**—**	**—**	**71**	**29**	**—**
Merrimack (NH)	1,028	165.0	43.57	1.67	1	329.3	19.06	.27	—	—	—	100	*	—
Schiller (NH)	381	150.8	39.05	.68	—	—	—	—	—	—	—	100	—	—
Newington Station (NH)	—	—	—	—	2,425	187.1	11.94	1.55	—	—	—	—	100	—
Public Service Co of NM	**6,780**	**164.4**	**30.48**	**.84**	**53**	**439.3**	**25.09**	**.93**	**1,292**	**324.2**	**3.32**	**99**	*****	**1**
Reeves (NM)	—	—	—	—	—	—	—	—	1,292	324.2	3.32	—	—	100
San Juan (NM)	6,780	164.4	30.48	.84	53	439.3	25.09	.93	—	—	—	100	*	—
Public Service Co of Oklahoma	**4,266**	**110.5**	**19.45**	**.20**	**—**	**—**	**—**	**—**	**77,826** [2]	**235.8**	**2.41**	**49**	**—**	**51**
Northeastern (OK)	4,266	110.5	19.45	.20	—	—	—	—	19,665 [2]	233.2	2.38	79	—	21
Southwestern (OK)	—	—	—	—	—	—	—	—	12,316 [2]	235.0	2.41	—	—	100
Tulsa (OK)	—	—	—	—	—	—	—	—	5,131	230.6	2.36	—	—	100
Riverside (OK)	—	—	—	—	—	—	—	—	27,122 [2]	232.1	2.37	—	—	100
Comanche (CS) (OK)	—	—	—	—	—	—	—	—	13,592 [2]	249.7	2.58	—	—	100
Public Service Electric&Gas Co	**1,611**	**148.0**	**39.22**	**.77**	**392**	**316.1**	**19.41**	**.24**	**15,827**	**260.5**	**2.72**	**69**	**4**	**27**
Bergen (NJ)	—	—	—	—	5	557.0	31.35	.01	7,092	259.2	2.71	—	*	100
Burlington (NJ)	—	—	—	—	76	487.3	27.30	.01	2,020	259.2	2.72	—	17	83
Hudson (NJ)	639	143.0	35.84	.85	—	—	—	—	1,337	258.3	2.67	92	—	8
Kearny (NJ)	—	—	—	—	137	277.8	17.43	.30	—	—	—	—	100	—
Linden (NJ)	—	—	—	—	118	276.0	17.33	.29	—	—	—	—	100	—
Mercer (NJ)	971	151.0	41.44	.72	—	—	—	—	2,033	259.1	2.72	93	—	7
Sewaren (NJ)	—	—	—	—	57	268.8	16.91	.30	3,345	266.0	2.77	—	9	91
Richmond City of	**279**	**132.3**	**30.77**	**2.47**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Whitewater (IN)	279	132.3	30.77	2.47	—	—	—	—	—	—	—	100	—	—
Rochester Public Utilities	**112**	**154.3**	**34.80**	**1.31**	**—**	**—**	**—**	**—**	**121** [2]	**265.5**	**2.71**	**95**	**—**	**5**
Silver Lake (MN)	112	154.3	34.80	1.31	—	—	—	—	121 [2]	265.5	2.71	95	—	5
Rochester Gas & Electric Corp	**782**	**144.5**	**38.37**	**2.21**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Rochester Gas & Electric Corp														
Beebee Station 3 (NY)	24	154.7	39.03	1.87	—	—	—	—	—	—	—	100	—	—
Russell Station 7 (NY)	759	144.2	38.35	2.22	—	—	—	—	—	—	—	100	—	—
Ruston City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,943**	**217.6**	**2.25**	**—**	**—**	**100**
Steam Plant (LA)	—	—	—	—	—	—	—	—	1,943	217.6	2.25	—	—	100
Sacramento Municipal Utility	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**19,560**	**220.7**	**2.21**	**—**	**—**	**100**
Central Valley (CA)	—	—	—	—	—	—	—	—	3,700	220.3	2.21	—	—	100
SCA Cogen Proj (CA)	—	—	—	—	—	—	—	—	6,788	221.2	2.22	—	—	100
SPA Cogen Proj (CA)	—	—	—	—	—	—	—	—	9,072	220.5	2.21	—	—	100
Salt River Proj Ag I & P Dist	**10,206**	**131.4**	**28.10**	**.51**	**73**	**458.0**	**26.78**	**0.20**	**13,735** [2]	**231.9**	**2.35**	**94**	*****	**6**
Agua Fria (AZ)	—	—	—	—	—	—	—	—	7,763 [2]	230.2	2.32	—	—	100
Kyrene (AZ)	—	—	—	—	—	—	—	—	665 [2]	268.5	2.72	—	—	100
Navajo (AZ)	7,680	116.8	25.65	.54	44	463.1	27.16	.19	—	—	—	100	*	—
Coronado (AZ)	2,526	181.1	35.55	.43	28	449.8	26.17	.21	—	—	—	100	*	—
Santan (AZ)	—	—	—	—	—	—	—	—	5,307	229.8	2.33	—	—	100
San Antonio City of	**5,462**	**98.7**	**16.62**	**.34**	**—**	**—**	**—**	**—**	**54,254**	**224.4**	**2.28**	**64**	**—**	**36**
Leon Creek (TX)	—	—	—	—	—	—	—	—	878	225.3	2.29	—	—	100
Mission Rd (TX)	—	—	—	—	—	—	—	—	485	223.7	2.28	—	—	100
Sommers (TX)	—	—	—	—	—	—	—	—	28,600	225.2	2.29	—	—	100
Braunig (TX)	—	—	—	—	—	—	—	—	21,043	223.6	2.27	—	—	100
Tuttle (TX)	—	—	—	—	—	—	—	—	3,212	223.3	2.27	—	—	100
JT Deely/Spruce (TX)	5,462	98.7	16.62	.34	—	—	—	—	36	223.4	2.28	100	—	*
San Diego Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**56,153**	**275.3**	**2.78**	**—**	**—**	**100**
Encina (CA)	—	—	—	—	—	—	—	—	31,224	273.3	2.76	—	—	100
South Bay (CA)	—	—	—	—	—	—	—	—	24,930	277.8	2.80	—	—	100
San Miguel Electric Coop Inc	**3,523**	**69.4**	**7.24**	**1.78**	**22**	**326.1**	**18.92**	**.66**	**—**	**—**	**—**	**100**	*****	**—**
San Miquel (TX)	3,523	69.4	7.24	1.78	22	326.1	18.92	.66	—	—	—	100	*	—
Savannah Electric & Power Co	**844**	**142.6**	**33.01**	**.97**	**5**	**341.3**	**19.78**	**.50**	**3,952** [2]	**288.3**	**2.95**	**83**	*****	**17**
Kraft (GA)	414	144.6	36.14	1.01	—	—	—	—	2,328 [2]	280.7	2.87	81	*	19
Riverside (GA)	—	—	—	—	—	—	—	—	1,624 [2]	299.1	3.06	—	—	100
McIntosh (GA)	430	140.4	29.99	.92	5	341.3	19.78	.50	—	—	—	100	*	—
Seminole Electric Coop Inc	**3,591**	**178.8**	**43.79**	**2.91**	**47**	**344.5**	**20.05**	**.28**	**—**	**—**	**—**	**100**	*****	**—**
Seminole (FL)	3,591	178.8	43.79	2.91	47	344.5	20.05	.28	—	—	—	100	*	—
Sierra Pacific Power Co	**1,706**	**147.7**	**33.86**	**.38**	**7**	**407.2**	**23.60**	**.20**	**28,081**	**212.7**	**2.20**	**57**	*****	**43**
Fort Churchill (NV)	—	—	—	—	—	—	—	—	10,713	212.4	2.20	—	—	100
Tracy (NV)	—	—	—	—	—	—	—	—	12,850	213.7	2.20	—	—	100
Pinon Pine (NV)	—	—	—	—	—	—	—	—	4,518	210.4	2.17	—	—	100
North Valmy (NV)	1,706	147.7	33.86	.38	7	407.2	23.60	.20	—	—	—	100	*	—
Sikeston City of	**1,046**	**100.2**	**17.48**	**.35**	**8**	**319.0**	**18.89**	**1.72**	**—**	**—**	**—**	**100**	*****	**—**
Sikeston (MO)	1,046	100.2	17.48	.35	8	319.0	18.89	1.72	—	—	—	100	*	—
South Carolina Electric&Gas Co	**5,965**	**153.7**	**39.11**	**1.17**	**86**	**331.7**	**19.23**	**.20**	**435**	**353.4**	**3.62**	**99**	*****	*****
Canadys (SC)	759	153.1	39.16	1.36	17	348.2	20.18	.20	218	352.8	3.61	98	1	1
Mcmeekin (SC)	629	150.1	39.27	1.41	2	360.6	20.90	.20	—	—	—	100	*	—
Urguhart (SC)	436	152.6	39.77	1.29	2	363.1	21.05	.20	217	353.8	3.62	98	*	2
Wateree (SC)	1,693	150.6	37.42	1.26	41	337.7	19.59	.20	—	—	—	99	1	—
Williams (SC)	1,346	161.2	41.62	.77	19	296.3	17.17	.20	*	438.9	4.49	100	*	*
Cope (SC)	1,101	152.2	38.22	1.20	4	337.5	19.56	.20	—	—	—	100	*	—
South Carolina Pub Serv Auth	**6,131**	**135.6**	**35.13**	**1.24**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Cross (SC)	2,608	135.0	34.80	1.11	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	227	151.5	40.10	1.63	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	640	132.1	35.13	1.62	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	2,656	135.7	35.04	1.24	—	—	—	—	—	—	—	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
South Mississippi El Pwr Assn	**952**	**197.4**	**48.71**	**0.89**	**16**	**317.9**	**18.85**	**0.32**	**7,843**	**221.1**	**2.28**	**74**	*	**26**
Moselle (MS)	—	—	—	—	—	—	—	—	7,843	221.1	2.28	—	—	100
R D Morrow (MS)	952	197.4	48.71	.89	16	317.9	18.85	.32	—	—	—	100	*	—
Southern California Edison Co	**4,503**	**125.6**	**27.36**	**.51**	**103**	**274.7**	**16.71**	**.00**	**29,638**	**288.9**	**2.96**	**76**	*	**24**
Alamitos (CA)	—	—	—	—	—	—	—	—	10,031	294.5	2.96	—	—	100
Cool Water (CA)	—	—	—	—	—	—	—	—	2,353	245.0	2.66	—	—	100
El Segundo (CA)	—	—	—	—	—	—	—	—	2,623	288.2	2.97	—	—	100
Etiwanda (CA)	—	—	—	—	—	—	—	—	1,520	290.2	2.92	—	—	100
Huntington Beach (CA)	—	—	—	—	—	—	—	—	2,565	307.1	3.14	—	—	100
Long Beach (CA)	—	—	—	—	—	—	—	—	239	293.0	2.96	—	—	100
Mandalay (CA)	—	—	—	—	—	—	—	—	1,591	259.3	2.76	—	—	100
Ormond Beach (CA)	—	—	—	—	—	—	—	—	1,014	299.2	3.07	—	—	100
Redondo (CA)	—	—	—	—	—	—	—	—	7,327	295.0	3.02	—	—	100
Mohave (NV)	4,503	125.6	27.36	.51	—	—	—	—	374	293.1	3.00	100	—	*
Storage Facility # 1	—	—	—	—	103	274.7	16.71	.00	—	—	—	—	100	—
Southern Illinois Power Coop	**827**	**93.5**	**20.20**	**2.95**	**12**	**339.8**	**19.36**	**.00**	**—**	**—**	**—**	**100**	*	**—**
Marion (IL)	827	93.5	20.20	2.95	12	339.8	19.36	.00	—	—	—	100	*	—
Southern Indiana Gas & Elec Co	**3,254**	**93.8**	**21.41**	**3.56**	**—**	**—**	**—**	**—**	**295**	**310.6**	**3.20**	**100**	**—**	*
Culley (IN)	1,395	92.3	21.16	3.61	—	—	—	—	33	309.0	3.19	100	—	*
A B Brown (IN)	1,444	94.5	21.70	3.80	—	—	—	—	218	276.9	2.85	99	—	1
Warrick (IN)	416	96.3	21.22	2.52	—	—	—	—	45	476.2	4.92	100	—	*
Southwestern Electric Power Co	**12,736**	**142.1**	**22.48**	**.71**	**51**	**306.9**	**18.35**	**.06**	**38,855**	**220.5**	**2.26**	**83**	*	**16**
Arsenal Hill (LA)	—	—	—	—	—	—	—	—	2,180	206.6	2.20	—	—	100
Lieberman (LA)	—	—	—	—	—	—	—	—	4,038	217.6	2.21	—	—	100
Knox Lee (TX)	—	—	—	—	16	258.2	15.99	.00	11,185	222.4	2.29	—	1	99
Lone Star (TX)	—	—	—	—	—	—	—	—	709	222.0	2.26	—	—	100
Wilkes (TX)	—	—	—	—	—	—	—	—	20,640	221.5	2.26	—	—	100
Flint Creek (AR)	2,506	138.1	23.46	.35	12	338.7	19.92	.07	—	—	—	100	*	—
Welsh Station (TX)	6,632	156.4	26.35	.40	23	326.0	19.17	.10	—	—	—	100	*	—
Pirkey (TX)	3,598	111.9	14.68	1.54	—	—	—	—	103	219.4	2.20	100	—	*
Southwestern Public Service Co	**8,909**	**161.1**	**28.59**	**.35**	**—**	**—**	**—**	**—**	**79,274**	**218.2**	**2.19**	**67**	**—**	**33**
Maddox (NM)	—	—	—	—	—	—	—	—	7,668	214.7	2.16	—	—	100
Cunningham (NM)	—	—	—	—	—	—	—	—	17,826	214.9	2.16	—	—	100
Jones (TX)	—	—	—	—	—	—	—	—	23,057	219.2	2.22	—	—	100
Moore (TX)	—	—	—	—	—	—	—	—	1,014	223.9	2.17	—	—	100
Nichols (TX)	—	—	—	—	—	—	—	—	16,440	220.4	2.18	—	—	100
Plant X (TX)	—	—	—	—	—	—	—	—	12,646	218.9	2.20	—	—	100
Harrington (TX)	4,592	124.3	22.49	.36	—	—	—	—	170	247.4	2.44	100	—	*
Tolk (TX)	4,317	201.9	35.07	.35	—	—	—	—	452	238.7	2.41	99	—	1
Springfield City of	**1,053**	**116.6**	**24.31**	**3.03**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Dallman (IL)	1,000	116.6	24.32	3.03	—	—	—	—	—	—	—	100	—	—
Lakeside (IL)	53	116.1	24.22	3.13	—	—	—	—	—	—	—	100	—	—
Springfield City of	**1,615**	**112.2**	**20.44**	**.43**	**—**	**—**	**—**	**—**	**3,264**	**212.3**	**2.15**	**90**	**—**	**10**
James River (MO)	826	119.8	22.62	.49	—	—	—	—	2,359	210.1	2.13	87	—	13
Southwest (MO)	789	103.7	18.17	.36	—	—	—	—	905	217.9	2.21	94	—	6
St Joseph Light & Power Co	**434**	**99.0**	**19.45**	**1.12**	**54**	**179.4**	**11.61**	**1.48**	**1,184**	**237.7**	**2.38**	**85**	**3**	**12**
Lakeroad (MO)	434	99.0	19.45	1.12	54	179.4	11.61	1.48	1,184	237.7	2.38	85	3	12
Sunflower Electric Coop Inc	**1,601**	**110.7**	**18.77**	**.30**	**—**	**—**	**—**	**—**	**96**	**244.7**	**2.39**	**100**	**—**	*
Holcomb (KS)	1,601	110.7	18.77	.30	—	—	—	—	96	244.7	2.39	100	—	*
Tacoma Public Utilities	**1**	**165.5**	**35.74**	**.73**	**1**	**360.7**	**20.91**	**.50**	**2**	**325.9**	**3.44**	**99**	**1**	*
Steam No.2 (WA)	1	165.5	35.74	.73	1	360.7	20.91	.50	2	325.9	3.44	99	1	*
Tallahassee City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**17,109**	**289.7**	**3.04**	**—**	**—**	**100**
Hopkins (FL)	—	—	—	—	—	—	—	—	13,859	289.5	3.04	—	—	100
Purdom (FL)	—	—	—	—	—	—	—	—	3,250	290.6	3.05	—	—	100

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

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Tampa Electric Co[6]	**8,153**	**156.7**	**35.69**	**1.93**	**779**	**282.9**	**16.97**	**0.31**	**—**	**—**	**—**	**98**	**2**	**—**
Big Bend (FL)	—	—	—	—	65	335.0	19.45	.07	—	—	—	89	11	—
Gannon (FL)	838	242.6	61.55	1.21	83	331.4	19.24	.09	—	—	—	98	2	—
Hookers Point (FL)	—	—	—	—	359	222.3	13.84	.59	—	—	—	—	100	—
Polk Station (FL)	—	—	—	—	272	341.1	19.80	.06	—	—	—	—	100	—
Davant Transfer (LA)	7,315	145.6	32.73	2.01	—	—	—	—	—	—	—	100	—	—
Taunton City of	**—**	**—**	**—**	**—**	**86**	**216.7**	**13.82**	**1.00**	**639**	**259.7**	**2.67**	**—**	**46**	**54**
Cleary (MA)	—	—	—	—	86	216.7	13.82	1.00	639	259.7	2.67	—	46	54
Tennessee Valley Authority[7]	**42,422**	**112.2**	**26.00**	**2.02**	**230**	**309.7**	**18.20**	**.49**	**—**	**—**	**—**	**100**	*****	**—**
Colbert (AL)	1,567	112.7	27.12	1.69	15	268.8	15.79	.50	—	—	—	100	*	—
Widows Creek (AL)	3,211	122.4	29.65	2.39	27	313.8	18.43	.50	—	—	—	100	*	—
Paradise (KY)	6,347	96.1	20.47	4.23	7	315.7	18.55	.50	—	—	—	100	*	—
Shawnee (KY)	3,599	125.1	28.93	.71	30	351.5	20.66	.50	—	—	—	100	*	—
Allen (TN)	—	—	—	—	8	300.6	17.66	.50	—	—	—	—	100	—
Bull Run (TN)	2,080	113.8	28.67	1.46	52	296.6	17.43	.50	—	—	—	99	1	—
Cumberland (TN)	6,536	108.5	25.57	2.85	41	314.3	18.46	.47	—	—	—	100	*	—
Gallatin (TN)	79	118.3	30.02	2.75	10	268.9	15.80	.50	—	—	—	97	3	—
Sevier (TN)	2,068	128.2	32.58	1.54	3	330.3	19.41	.50	—	—	—	100	*	—
Johnsonville (TN)	2,316	112.2	27.38	1.73	22	306.1	17.98	.50	—	—	—	100	*	—
Kingston (TN)	4,316	122.6	30.64	1.38	15	322.8	18.96	.50	—	—	—	100	*	—
GRT Terminal (TN)	6,773	104.6	22.93	1.37	—	—	—	—	—	—	—	100	—	—
Cora Transfer (TN)	2,855	109.4	23.05	.47	—	—	—	—	—	—	—	100	—	—
Cahokia (AL)	675	118.1	26.89	.46	—	—	—	—	—	—	—	100	—	—
Terrebonne Parish Consol Govt	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,513**	**214.1**	**2.28**	**—**	**—**	**100**
Houma (LA)	—	—	—	—	—	—	—	—	1,513	214.1	2.28	—	—	100
Texas Municipal Power Agency	**1,620**	**119.4**	**20.32**	**.31**	**—**	**—**	**—**	**—**	**135**	**232.8**	**2.37**	**100**	**—**	*****
Gibbons Creek (TX)	1,620	119.4	20.32	.31	—	—	—	—	135	232.8	2.37	100	—	*
Texas-New Mexico Power Co	**1,761**	**142.7**	**19.52**	**.87**	**—**	**—**	**—**	**—**	**192**	**227.2**	**2.31**	**99**	**—**	**1**
TNP One (Tx)	1,761	142.7	19.52	.87	—	—	—	—	192	227.2	2.31	99	—	1
Texas Utilities Electric Co[8]	**33,280**	**102.0**	**13.44**	**.90**	**181**	**381.1**	**22.09**	**.02**	**413,551**	**239.5**	**2.45**	**51**	*****	**49**
Lake Hubbard (TX)	—	—	—	—	46	475.4	27.55	.03	28,321	238.2	2.46	—	1	99
Mountain Creek (TX)	—	—	—	—	—	—	—	—	29,272	237.8	2.42	—	—	100
North Lake (TX)	—	—	—	—	—	—	—	—	20,711	237.7	2.43	—	—	100
Parkdale (TX)	—	—	—	—	—	—	—	—	8,176	234.4	2.36	—	—	100
Eagle Mountain (TX)	—	—	—	—	—	—	—	—	14,114	236.5	2.41	—	—	100
Graham (TX)	—	—	—	—	—	—	—	—	24,875	239.7	2.44	—	—	100
Handley (TX)	—	—	—	—	—	—	—	—	40,273	238.5	2.42	—	—	100
Morgan Creek (TX)	—	—	—	—	—	—	—	—	32,678	239.4	2.43	—	—	100
North Main (TX)	—	—	—	—	—	—	—	—	1,235	228.5	2.33	—	—	100
Permian Basin (TX)	—	—	—	—	—	—	—	—	32,174	240.7	2.47	—	—	100
Big Brown (TX)	5,022	113.2	15.11	.73	—	—	—	—	605	246.3	2.53	99	—	1
Collin (TX)	—	—	—	—	—	—	—	—	3,494	236.4	2.39	—	—	100
Lake Creek (TX)	—	—	—	—	—	—	—	—	10,852	238.8	2.46	—	—	100
River Crest (TX)	—	—	—	—	—	—	—	—	1,588	233.1	2.47	—	—	100
Stryker (TX)	—	—	—	—	3	529.0	30.66	.00	23,251	236.6	2.45	—	*	100
Tradinghouse (TX)	—	—	—	—	—	—	—	—	62,555	242.2	2.47	—	—	100
Trinidad (TX)	—	—	—	—	—	—	—	—	6,027	235.5	2.39	—	—	100
Valley (TX)	—	—	—	—	41	411.8	23.87	.00	39,131	240.1	2.44	—	1	99
Martin Lake (TX)	13,424	83.2	11.09	1.26	47	312.6	18.12	.04	—	—	—	100	*	—
Monticello (TX)	11,466	118.9	15.31	.48	44	317.0	18.38	.01	—	—	—	100	*	—
Sandow No 4 (TX)	3,368	104.6	13.99	1.20	—	—	—	—	—	—	—	100	—	—
Decordova (TX)	—	—	—	—	—	—	—	—	34,220	244.3	2.48	—	—	100
Toledo Edison Co	**1,730**	**127.1**	**24.16**	**.40**	**8**	**325.4**	**18.92**	**.39**	**—**	**—**	**—**	**100**	*****	**—**
Bay Shore (OH)	1,730	127.1	24.16	.40	8	325.4	18.92	.39	—	—	—	100	*	—
Tri State G & T Assn Inc	**4,861**	**108.6**	**22.13**	**.42**	**—**	**—**	**—**	**—**	**127**	**236.1**	**2.56**	**100**	*****	*****
Nucla (CO)	317	103.1	22.50	.85	—	—	—	—	—	—	—	99	1	—
Craig (CO)	4,545	109.0	22.10	.39	—	—	—	—	127	236.1	2.56	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, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Tucson Electric Power Co	**3,408**	**141.6**	**26.72**	**0.77**	**10**	**379.4**	**22.46**	**0.05**	**4,018**	**259.8**	**2.64**	**94**	*	**6**
Irvington (AZ)	209	195.7	43.76	.47	—	—	—	—	4,018	259.8	2.64	53	—	47
Springerville (AZ)	3,199	137.4	25.61	.79	10	379.4	22.46	.05	—	—	—	100	*	—
Union Electric Co	**17,617**	**95.5**	**17.08**	**.41**	**85**	**325.0**	**18.75**	**.29**	**2,370**	**227.1**	**2.32**	**99**	*	**1**
Venice No.2 (IL)	—	—	—	—	38	349.3	20.20	.29	1,584	228.2	2.34	—	12	88
Labadie (MO)	8,270	92.5	16.38	.35	26	301.0	17.32	.29	—	—	—	100	*	—
Meramec (MO)	1,467	119.4	24.34	.63	—	—	—	—	786	224.8	2.30	97	—	3
Sioux (MO)	3,057	98.8	18.26	.61	7	316.9	18.23	.25	—	—	—	100	*	—
Rush Island (MO)	4,823	90.0	15.34	.31	14	307.4	17.69	.29	—	—	—	100	*	—
United Illuminating Co	**657**	**181.1**	**47.59**	**.53**	**4,284**	**219.0**	**13.96**	**.95**	**57**	**216.4**	**2.23**	**39**	**61**	*
Bridgeport Harbor (CT)	657	181.1	47.59	.53	1,098	220.7	14.06	.96	—	—	—	71	29	—
New Haven Hbr (CT)	—	—	—	—	3,186	218.4	13.92	.95	57	216.4	2.23	—	100	*
United Power Assn	**917**	**71.7**	**9.64**	**.74**	**3**	**370.4**	**21.31**	**.40**	**—**	**—**	**—**	**100**	*	**—**
Stanton (ND)	917	71.7	9.64	.74	3	370.4	21.31	.40	—	—	—	100	*	—
UtiliCorp United Inc	**1,606**	**90.1**	**17.33**	**.38**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Sibley (MO)	1,606	90.1	17.33	.38	—	—	—	—	—	—	—	100	—	—
Vero Beach City of	**—**	**—**	**—**	**—**	**6**	**323.3**	**.82**	**.60**	**1,962**	**220.9**	**2.33**	**—**	*	**100**
Vero Beach (FL)	—	—	—	—	6	323.3	.82	.60	1,962	220.9	2.33	—	*	100
Vineland City of	**26**	**192.2**	**49.48**	**.78**	**77**	**242.6**	**15.01**	**.59**	**—**	**—**	**—**	**58**	**42**	**—**
H M Down (NJ)	26	192.2	49.48	.78	77	242.6	15.01	.59	—	—	—	58	42	—
Virginia Electric & Power Co	**14,082**	**129.2**	**32.18**	**1.26**	**4,530**	**203.8**	**12.86**	**1.11**	**14,859**	**295.4**	**3.10**	**89**	**7**	**4**
Bremo Bluff (VA)	551	140.3	33.99	.83	5	390.8	22.98	.20	—	—	—	100	*	—
Chesterfield (VA)	2,974	139.8	35.60	1.06	119	327.6	19.26	.20	13,946	300.6	3.15	83	1	16
Chesapeake Energy (VA)	1,633	142.8	36.66	.97	38	298.7	17.56	.20	—	—	—	99	1	—
Possum Point (VA)	899	142.3	34.57	.86	1,042	212.7	13.48	.69	—	—	—	77	23	—
Yorktown (VA)	731	147.3	37.45	1.44	3	384.8	22.63	.20	913	217.3	2.29	95	*	5
Mount Storm (WV)	4,920	113.1	27.51	1.66	45	377.8	22.21	.20	—	—	—	100	*	—
Clover (VA)	2,375	125.9	31.56	1.07	11	445.1	26.17	.10	—	—	—	100	*	—
Storage Facility # 1	—	—	—	—	3,268	192.4	12.18	1.30	—	—	—	—	100	—
West Penn Power Co	**5,021**	**132.6**	**33.87**	**2.30**	**103**	**301.5**	**17.86**	**.30**	**52**	**401.5**	**4.01**	**99**	*	*
Armstrong (PA)	965	107.8	27.09	1.90	4	337.4	19.98	.30	—	—	—	100	*	—
Hatfield (PA)	3,391	140.3	36.27	2.19	8	323.3	19.15	.30	—	—	—	100	*	—
Mitchell (PA)	665	128.1	31.45	3.42	91	298.1	17.65	.30	52	401.5	4.01	96	3	*
WestPlains Energy	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**10,141**	**206.5**	**2.04**	**—**	**—**	**100**
Cimarron River (KS)	—	—	—	—	—	—	—	—	2,251	218.6	2.16	—	—	100
Large (KS)	—	—	—	—	—	—	—	—	4,766	201.7	1.97	—	—	100
Mullergren (KS)	—	—	—	—	—	—	—	—	3,124	205.1	2.07	—	—	100
West Texas Utilities Co	**3,113**	**125.5**	**21.25**	**.39**	**—**	**—**	**—**	**—**	**36,685**	**221.3**	**2.25**	**59**	**—**	**41**
Oklaunion (TX)	3,113	125.5	21.25	.39	—	—	—	—	—	—	—	100	—	—
Oak Creek (TX)	—	—	—	—	—	—	—	—	3,612	229.2	2.38	—	—	100
Paint Creek (TX)	—	—	—	—	—	—	—	—	5,174	231.2	2.41	—	—	100
Rio Pecos (TX)	—	—	—	—	—	—	—	—	6,291	203.3	2.05	—	—	100
San Angelo (TX)	—	—	—	—	—	—	—	—	8,718	214.5	2.12	—	—	100
Fort Phantom (TX)	—	—	—	—	—	—	—	—	12,890	228.2	2.32	—	—	100
Western Farmers Elec Coop Inc	**1,705**	**99.5**	**17.37**	**.36**	**—**	**—**	**—**	**—**	**20,670**	**216.5**	**2.23**	**58**	**—**	**42**
Anadarko (OK)	—	—	—	—	—	—	—	—	13,421	218.4	2.25	—	—	100
Mooreland (OK)	—	—	—	—	—	—	—	—	7,249	212.9	2.19	—	—	100
Hugo (OK)	1,705	99.5	17.37	.36	—	—	—	—	—	—	—	100	—	—
Western Massachusetts Elec Co	**—**	**—**	**—**	**—**	**150**	**269.8**	**17.04**	**.61**	**1,671**	**263.3**	**2.70**	**—**	**36**	**64**
West Springfield (MA)	—	—	—	—	150	269.8	17.04	.61	1,671	263.3	2.70	—	36	64
Wisconsin Electric Power Co	**10,415**	**109.0**	**21.64**	**.59**	**6**	**376.0**	**22.00**	**.25**	**928**	**283.8**	**2.89**	**100**	*	*

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

Table 31. Receipts, Average Delivered Cost, and Quality of Fossil Fuels by Electric Utility and Plant, 1998 (Continued)

Electric Utility Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	Cost (cents per MM Btu)	Cost ($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	Cost (cents per MM Btu)	Cost ($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	Cost (cents per MM Btu)	Cost ($ per Mcf)	Coal	Petroleum	Gas
Wisconsin Electric Power Co														
Presque Isle (MI)	1,801	125.4	25.47	0.44	6	376.0	22.00	0.25	—	—	—	100	*	—
Oak Creek (WI)	2,573	126.7	27.51	.74	—	—	—	—	628	275.2	2.80	99	—	1
Port Washington (WI)	594	138.7	36.52	1.30	—	—	—	—	24	349.7	3.55	100	—	*
Valley (WI)	706	150.5	39.49	1.60	—	—	—	—	54	302.7	3.08	100	—	*
Pleasant Prairie (WI)	4,741	73.8	12.48	.33	—	—	—	—	222	296.4	3.03	100	—	*
Wisconsin Power & Light Co	**8,367**	**107.1**	**18.56**	**.39**	**24**	**356.6**	**20.97**	**.03**	**326**	**327.1**	**3.34**	**100**	*****	*****
Blackhawk (WI)	—	—	—	—	—	—	—	—	326	327.1	3.34	—	—	100
Edgewater (WI)	2,884	119.9	20.76	.35	7	331.6	19.50	.02	—	—	—	100	*	—
Nelson Dewey (WI)	540	121.5	22.95	.37	1	366.9	21.57	.08	—	—	—	100	*	—
Rock River (WI)	370	127.5	24.57	.40	2	404.2	23.77	.08	—	—	—	100	*	—
Columbia (WI)	4,572	95.1	16.16	.41	14	363.2	21.35	.02	—	—	—	100	*	—
Wisconsin Public Service Corp	**3,565**	**103.2**	**18.26**	**.23**	**—**	**—**	**—**	**—**	**429**	**260.8**	**2.64**	**99**	**—**	**1**
Pulliam (WI)	1,479	97.2	17.23	.19	—	—	—	—	337	260.9	2.64	99	—	1
Weston (WI)	2,086	107.5	18.99	.26	—	—	—	—	92	260.5	2.64	100	—	*
Wyandotte Municipal Serv Comm	**111**	**141.6**	**35.41**	**1.13**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Wyandotte (MI)	111	141.6	35.41	1.13	—	—	—	—	—	—	—	100	—	—
Total	**929,448**	**125.2**	**25.64**	**1.06**	**165,191** [2]	**213.6**	**13.55**	**1.14**	**2,922,284** [2]	**238.1**	**2.43**	**83**	**5**	**13**

1 Does not include petroleum coke receipts of 3,217,000 short tons at an average cost of 71.2 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 Most coal destined for the Crawford and Fisk plants is reported as delivered to the Will County plant. It is later transferred to Crawford and Fisk.

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

6 The cost reported under Davant Transfer (Louisiana) is the weighted average cost of coal delivered to this facility located in Louisiana. The Tampa Electric Company incurs additional costs for transporting this coal from Davant to its power plants which are located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.

7 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Approximatley 90 percnt of the coal delivered to the Cora facility is transferred to the Allen plant. Most of the remaining coal is transferred to the Paradise plant. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 60 percent of the coal delivered to the GRT facility is later delivered to the Gallatin plant. Widdows Creek, Johnsonville, Paradise, and Cumberland each receive approximately 8 percent. Colbert and Shawnee each receive approximately 4 percent. All coal delivered to GRT is shown in this report as being delivered to Tennessee.

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

* = Number less than 0.5.

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

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

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