Cost and Quality of Fuels for Electric Utility Plants 1992

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Contacts

The *Cost and Quality of Fuels for Electric Utility Plants* is prepared by the Energy Information Administration (EIA), Office of Coal, Nuclear, Electric and Alternate Fuels. General questions concerning the contents of the report may be referred to Howard Walton

(202/254-5500), Director of the Survey Management Division; Neal Moerschel (202/254-5640), Chief of the Electric Data Systems Branch; and Kenneth McClevey (202/254-5655), survey statistician, Electric Data Systems Branch.

Preface

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

Background

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

The summarized data in this report are presented for the use of a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The data in this report, collected by the FERC, and published by the EIA to fulfill its data

dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

Coverage of Sources

Data published in the *C&Q* are compiled from the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." This survey is described in Appendix C, "Technical Notes." A brief summary of the survey follows.

The FERC Form 423 survey is a restricted census which collects monthly data from steam-electric and combined-cycle plants with a total generator nameplate capacity of 50 or more megawatts (approximately 230 electric utilities). The 50-megawatt threshold was established by the FERC. The geographic coverage includes the contiguous United States, Alaska, Hawaii, and the District of Columbia. Electric utilities that report on the FERC Form 423 represent approximately 90 percent of all fossil-fuel generating capacity in the United States.

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Executive Summary

A number of factors appear to have had a notable effect on the volume of receipts and the cost of fossil fuels delivered to electric utilities during 1992. Variations in annual weather conditions had substantial effects on electric utility fuel purchases. In 1992, a drought in the western United States, Hurricane Andrew in the South, and mild winter and summer temperatures throughout much of the Nation played a major role in determining electric utility fuel requirements for 1992.

The average cost of all fossil-fuels delivered to electric utilities in 1992 was \$1.59 per million Btu, the lowest average annual cost since 1978.¹ Fuel oil was the most expensive at \$2.55 per million Btu, natural gas was second at \$2.33 per million Btu, and coal was the least expensive at \$1.41 per million Btu. The average cost of coal decreased \$0.04 per million Btu in 1992, fuel oil was unchanged, and natural gas increased \$0.18 per million Btu. However, since coal accounted for 82 percent of the total Btu content of fossil fuels delivered to electric utilities in 1992, the overall average cost decreased \$0.01 per million Btu.

In 1992, sales of electricity to ultimate consumers posted a decrease, the first since 1982. Sales to residential, commercial, and other customers decreased while sales to industrial customers increased.² Mild winter and summer weather throughout most of the Nation probably had the largest effect on sales of electricity. A reduction in sales by electric utilities can have the effect of reducing electric utility fossil-fuel requirements.

Coal. Abundant supplies of coal were available to electric utilities in 1992, contributed to depressed coal prices. The average delivered cost of coal to electric utilities in 1992 was \$29.36 per short ton (Table ES2).³ This was a 2-percent decrease from the \$30.02 per short ton reported in 1991 and the lowest average cost of coal delivered to electric utilities since 1980.⁴ The average cost of both contract and spot-market coal delivered to electric utilities decreased in 1992. The average cost of contract coal decreased \$0.66 per short

ton to a level of \$29.89 per short ton based on receipts of 649 million short tons, a decrease of 6 million short tons from 1991 (Table ES2). Receipts of spot-market coal totaled 127 million short tons, an increase of 12 million short tons from 1991. The average cost of spot-market coal decreased \$0.38 per short ton to a level of \$26.64 per short ton. This is the lowest average annual cost for coal purchased in the spot-market and delivered to electric utilities since 1977.⁵ As has been the case since 1985, the average delivered cost of coal purchased under contract was higher than that for coal purchased in the spot-market (\$29.89 versus \$26.64 per short ton). This indicates an excess supply of coal and an expectation of a continued decline in the cost of coal. Aiding a decline in the average cost of coal is the fact that electric utilities follow strategies that will reduce their fuel costs. With spot-market costs \$3.25 per short ton less, on average, than the average cost of contract coal, electric utilities will often minimize their contract receipts and opt for spot-market purchases. Some electric utilities have found it economical to pay a fee to "buy out" older contracts and increase purchases under newer less expensive contracts. Also, the cost of coal under some contracts is adjusted annually according to changes in coal related indices, while some contracts are periodically open for renegotiation. Since the overall cost of coal has been decreasing for the past several years, renegotiation of contracts or index-related adjustments usually result in a reduction in the cost of coal. In addition, several electric utilities have been able to reduce the cost of transporting the coal to the plant either by renegotiation of contracts or by increasing competition among the carriers.

In the western United States a continuing drought reduced hydroelectric generation. An increase in coal-fired generation in the region appears to have made up for the shortfall. This was most significant in contributing to an annual increase in coal receipts, consumption, and generation. Receipts of coal to electric utilities totaled 776 million short tons, an increase of 6 million short tons from 1991 (Table ES1). Coal consumption totaled 780 million short tons, an increase of 8 million short tons (1 percent), while net generation from coal

¹Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Table 33.

²Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Table 51.

³The delivered cost of fossil fuels includes all costs (including transportation, taxes, etc.) incurred by the electric utility for delivery of the fuel to the plant.

⁴Energy Information Administration, *Historical Monthly Energy Review (HMER)*, DOE/EIA-0035(73-88), Table 9.10.

⁵Energy Information Administration, *Cost and Quality of Fuels for Electric Utility Plants 1991*, DOE/EIA-0191(91) and prior issues.

increased 2 percent.⁶ End-of-year stocks of coal at electric utilities totaled 154 million short tons, a decrease of 4 million short tons from 1991.⁷ The average end-of-year stocks of coal over the last 5 years were 150 million short tons.⁸

As in previous years, electric utilities continue to increase their use of subbituminous and lignite coal. Subbituminous coal is mined in the western United States, with the majority of the coal originating in the Powder River Basin of Wyoming and Montana. Its low-sulfur content is excellent for allowing electric utilities to meet stringent air quality emission standards. In 1992 receipts of subbituminous coal totaled 241 million short tons, an increase of just over 1 million short tons (Table ES1). Several electric utilities are expected to switch to subbituminous coal during 1993 and 1994 in order to meet the emission requirements of Phase 1 of the Clean Air Act Amendments (CAAA) of 1990 which takes effect on January 1, 1995. Receipts of lignite at electric utilities in 1992 totaled 80 million short tons, an increase of 2 million short tons from 1991. Most of this low-Btu, low-cost coal is consumed by electric plants located in Texas, North Dakota, and Louisiana.

Electric utilities used 1992 as a year to test new types and various blends of coal as they worked toward developing a strategy to comply with the CAAA. Many electric plants, especially those built several years ago, were designed to burn a particular type or blend of coal containing certain quality and physical characteristics. In changing the type or blend of coal, the boilers in which the coal is burned may lose efficiency, encounter maintenance or operational problems, or simply not meet the flue-gas emission limits that the electric plant must meet. Problems may be encountered in the logistics of transporting the coal to the plant. Test-burning various coals well in advance of the start of Phase 1 of the CAAA ensures adequate time to resolve any problems that are encountered or to switch to a different blend or type of coal. Some of the electric utilities that received test shipments of coal during 1992 (and the origin of that coal) include Tampa Electric (Colorado, Utah, imports from Indonesia); Ohio Edison (Wyoming and Indonesia); Tennessee Valley Authority (Wyoming); Minnesota Power & Light (Wyoming); Mississippi Power (Wyoming); Missouri Public Service (Utah and Colorado); Nebraska Public Power District (various Powder River basin coals); and PSI Energy Inc., (West Virginia).

The coal requirements for some electric utilities are so large that they have a noticeable effect on the coal markets. Decisions by several electric utilities on major long-term coal supply contracts that are to be put in place before Phase 1 compliance with the CAAA starts in 1995 were anxiously awaited by the coal and electric power industries during 1992. Most notable were coal procurement strategies for the Georgia Power Company (Sherrer plant), Tennessee Valley Authority (Paradise), and the Ohio Power Company (Gavin). Each of these electric utilities proposed at least a partial shift from eastern coal to western coal in order to comply with the CAAA. However, as of the end of 1992, no firm decisions had been made concerning future long-term coal deliveries to these three plants.

Petroleum. The petroleum market was relatively stable during 1992. The average monthly refiner acquisition cost of crude oil ranged from \$16.28 per barrel in February to \$20.10 per barrel in July.⁹ No after-effects of the Persian Gulf Conflict of 1991 are readily apparent in the data submitted for electric utility fuel purchases during 1992. The average cost of petroleum products (fuel oil) delivered to electric utilities in 1992 was \$16.15 per barrel (\$2.55 per million Btu), an increase of only \$0.06 per barrel from 1991 (Table ES2). The average monthly cost of fuel oil delivered to electric utilities ranged between \$13.52 per barrel reported in March and \$18.89 per barrel reported in October.¹⁰ The cost of fuel oil delivered to electric utilities did increase rather sharply during mid-year, in tandem with the cost of natural gas. Receipts of fuel oil at electric utilities totaled 144 million barrels, a decrease of 25 million barrels from 1991 (Table ES1). This is the lowest annual total reported since data collection was begun in 1972. Fuel oil accounted for only 5 percent of the total Btu content of fossil fuels delivered in 1992. Consumption of petroleum products at steam-electric plants totaled 141 million barrels, a decrease of 36 million barrels (20 percent) from 1991.¹¹ Steam net-generation from petroleum also decreased 21 percent. End-of-year stocks of fuel oil at steam-electric plants totaled 62 million barrels, a decrease of nearly 3 million barrels from 1992. The average end-of-year stocks of fuel oil over the last 5 years were 63 million barrels.¹² Receipts of fuel oil to electric utilities peaked at 636 million barrels in 1977, and have since decreased to a point that only a few electric utilities, located primarily in Florida, New York, and Massachusetts, are heavily dependent on the fuel for electric generation.

⁶Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Tables 4 and 17.

⁷Data on generation, consumption, and stocks of fossil fuels at electric utilities are based on data collected on the Energy Information Administration, Form EIA-759, "Monthly Power Plant Report." These data cover all electric generating plants.

⁸Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Table 28.

⁹Energy Information Administration, *Monthly Energy Review (MER)*, DOE/EIA-0035(93/03), Table 9.1.

¹⁰Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Table 33; and Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(92-12) and prior issues, Table C1. The formula used to produce average dollars per barrel is found in the Technical Notes section of Appendix C in the EPM.

¹¹Energy Information Administration, *Monthly Energy Review (MER)*, DOE/EIA-0035(93/03), Table 7.3.

¹²Energy Information Administration, *Monthly Energy Review (MER)*, DOE/EIA-0035(93/03), Table 7.4.

Gas. The natural gas markets appeared to be somewhat less stable than the petroleum markets during 1992. The wellhead cost of natural gas decreased from \$2.00 per thousand cubic feet (Mcf) in December 1991 to \$1.37 per Mcf in February 1992 before increasing to \$2.56 per Mcf in October 1992.¹³ The average cost of natural gas delivered to electric utilities was \$2.38 per thousand cubic feet (\$2.33 per million Btu), an increase of 8 percent from 1991 (Table ES2). The lowest average monthly cost of natural gas delivered to electric utilities was \$2.01 per Mcf reported in March. However, by October the average cost of natural gas had increased to \$3.05 per Mcf.¹⁴ Several factors have been noted as contributing to this price increase including "shut-in" wells (wells where production has been stopped) due to low prices, OPEC'S reduction in production of heavier crudes, which compete with natural gas, and Hurricane Andrew, which destroyed an estimated 5 percent of the gas-producing wells in the Gulf of Mexico.¹⁵

Receipts of natural gas at electric utilities totaled 2,638 billion cubic feet (Bcf), nearly unchanged from the 2,631 Bcf reported in 1991 (Table ES1). Monthly receipts of natural gas peaked in July at 316 Bcf as elec-

tric utilities increased purchases of natural gas under interruptible contracts. Receipts were lowest in January and February, 160 Bcf each.¹⁶ Typically, receipts of natural gas are lowest in the winter months because residential and commercial users of natural gas are given priority (for heating purposes) over electric utilities in the distribution of gas. Pipeline capacity is the limiting factor in the distribution of natural gas. During warmer months, more natural gas is available to electric utilities since residential and commercial users require less natural gas.

The average cost of natural gas delivered to electric utilities usually is highest in the winter months when most receipts are delivered under firm contracts (that is, delivery is guaranteed). In the warmer months a high volume of natural gas is delivered under interruptible contract (that is, delivery may be interrupted--often in exchange for a reduction in cost to the utility). This usually results in a higher volume of gas receipts at lower costs during the warmer months of the year, compared with the colder months. This pattern did not hold in 1992 due to the previously mentioned factors affecting the cost of natural gas during 1992.

Table ES1. Receipts of Fossil Fuels by Type of Fuel, 1991-1992

Type of Fuel	1992	1991	Difference	Percent Difference
Total Coal (thousand short tons)	775,963	769,923	6,040	0.8
Bituminous	453,732	450,462	3,270	.7
Subbituminous	241,291	239,929	1,362	.6
Lignite	80,433	78,810	1,628	2.1
Anthracite	503	723	-220	-30.4
Total Petroleum (thousand barrels)	144,390	169,625	-25,235	-14.9
No. 6 Fuel Oil	138,261	162,623	-24,362	-15.0
No. 4 and No. 5 Fuel Oil	276	483	-207	-42.6
No. 2 Fuel Oil	5,853	6,518	-665	-10.2
Total Gas (million cubic feet)	2,637,678	2,630,818	6,860	.3
Natural	2,623,146	2,616,145	7,001	.3
Other ¹	14,533	14,673	-140	-1.0

¹ Includes small quantities of coke-oven gas, refinery and blast-furnace gas.

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

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

¹³Energy Information Administration, *Monthly Energy Review (MER)*, DOE/EIA-0035(93/03), Table 9.11.

¹⁴Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Table 33.

¹⁵Standard & Poor's Industry Survey, *Natural Gas*, Vol. 160, No. 47, November 19, 1992.

¹⁶Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-06), Table 33; and Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(92-12) and prior issues, Table C1. The formula used to produce average dollars per Mcf is found in the Technical Notes section of Appendix C in the EPM.

Table ES2. Average Delivered Cost of Fossil Fuels, 1991-1992

Type of Purchase	1992	1991	Difference	Percent Difference
Total Coal (dollars per short ton)	29.36	30.02	-0.66	-2.2
Contract	29.89	30.55	-.66	-2.2
Spot	26.64	27.02	-.38	-1.4
Total Petroleum (dollars per barrel)	16.15	16.09	.06	.4
Contract (No. 6 Fuel Oil)	15.83	15.69	.14	.9
Spot (No. 6 Fuel Oil)	15.36	15.42	.06	.4
Total Gas (dollars per Mcf)	2.38	2.20	.18	8.2
Firm	2.37	2.19	.18	8.2
Interruptible	2.40	2.22	.18	8.1

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."

Quality of Coal. Data on the quality (sulfur, Btu, and ash content) of coal delivered to electric plants in 1992 show little change at the U.S. level from data reported in 1991. The sulfur content of coal decreased from 1.30 percent by weight in 1991 to 1.29 percent by weight in 1992 (Table ES3). Since 1988, the average sulfur content of coal delivered to electric utilities has remained relatively stable at approximately 1.30 percent (Table ES4). At the State level, coal with the lowest average sulfur content (0.38 percent by weight) originated in Wyoming, while coal from Missouri and Iowa had the highest average sulfur content (4.15 and 4.36 percent by weight, respectively).

On a regional basis, coal from the northern Appalachian Region (Pennsylvania, Ohio, Maryland, and northern West Virginia) and from the Interior Region contained the highest percentage of sulfur. In the eastern United States, coal from the central Appalachian Region (Virginia, southern West Virginia, and eastern Kentucky) contained the lowest amount of sulfur based on percent weight. It is expected that receipts of coal from this region will increase in future years as electric utilities turn to low-sulfur coal to meet the emission limits set by the CAAA. The sulfur content for the Interior Region coal ranged generally between 1.5 and 4.5 percent. Receipts of coal from the central Appalachian Region ranged between 0.5 and 2.0 percent in sulfur content, while receipts of coal from the western United States generally contained less than 1.0 percent sulfur.

The average heat content of coal delivered to electric utilities in 1992 was 10,395 Btu per pound, nearly unchanged from the 10,378 Btu per pound reported in 1991 (Table ES3). The average Btu per pound of the 3 primary ranks of coal delivered to electric utilities has remained relatively stable over the last several years (Table ES4). Considering only the major coal-producing States, coal originating in Virginia rated the

highest in heat content--averaging 12,872 Btu per pound. Texas lignite rated the lowest in heat content (6,224 Btu per pound). Subbituminous coal originating in the Powder River Basin (located in Montana and Wyoming) ranged approximately from 8,000 to 9,500 Btu per pound. This was 2,000 to 3,000 Btu per pound less than the heat content of bituminous coal mined in the eastern United States.

The average ash content (any noncombustible material) of coal delivered to electric utilities in 1992 was 9.71 percent--down from the 9.76 percent reported in 1991 (Table ES3). On a State-by-State basis, coal from Wyoming contained the least amount of ash (5.5 percent) of any coal delivered to electric utilities during the year. Coal obtained from Texas, New Mexico, and Washington had an average ash content above 15 percent.

During the past several years, increasing amounts of low-sulfur lignite and western subbituminous coal have contributed substantially to reducing the average sulfur content of coal delivered to electric utilities. Most of this coal is delivered to power plants located in the central and western United States. However, some low-sulfur western coal is now being shipped to electric plants in the eastern United States. Although the cost of transporting coal across this distance is expensive, the relatively low cost of mining western coal results in a delivered cost that is competitive with low-sulfur coal from the eastern United States.

Phase 1 of the CAAA starts on January 1, 1995. One aspect of this law is that it places restrictions on the amount of flue-stack gas (such as sulfur dioxide) that can be emitted into the atmosphere by electric utility generating plants. Electric utilities have a variety of options available to comply with this law. The three primary options are the installation of flue gas desulfurization (FGD) systems, use of lower sulfur fuels, and purchase of emission allowances.¹⁷

Table ES3. Average Quality of Coal by State of Origin, 1991-1992

State of Origin	Btu (per pound)		Sulfur (percent by weight)		Ash (percent by weight)	
	1992	1991	1992	1991	1992	1991
Alabama	12,094	12,141	1.26	1.27	12.42	12.26
Arizona	11,001	10,992	.52	.50	9.50	9.42
Colorado	10,785	10,772	.42	.40	8.26	8.34
Illinois	11,256	11,206	2.63	2.67	9.33	9.57
Indiana	11,145	11,135	2.46	2.53	9.07	9.19
Iowa	9,817	9,842	4.36	4.23	13.57	13.48
Kansas	12,197	12,086	3.54	3.45	11.70	11.62
Kentucky	12,196	12,194	1.73	1.78	9.81	9.88
Louisiana	6,951	6,928	.62	.62	12.14	12.46
Maryland	12,565	12,644	1.69	1.58	12.94	12.87
Missouri	10,589	10,525	4.15	4.17	10.22	10.38
Montana	9,052	9,002	.52	.52	6.62	6.88
New Mexico	9,323	9,306	.69	.70	19.49	19.56
North Dakota	6,513	6,550	.87	.84	9.30	9.16
Ohio	11,849	11,785	3.42	3.49	10.98	11.21
Oklahoma	12,484	12,984	2.78	2.15	9.77	9.25
Pennsylvania	12,550	12,443	1.85	1.82	11.59	12.48
Tennessee	12,668	12,590	1.39	1.40	9.63	10.29
Texas	6,224	6,254	1.05	1.02	17.42	17.72
Utah	11,547	11,574	.46	.46	10.85	10.34
Virginia	12,872	12,887	1.10	1.14	9.67	9.70
Washington	7,921	8,003	.70	.67	15.16	14.90
West Virginia	12,519	12,546	1.60	1.62	10.57	10.53
Wyoming	8,682	8,659	.38	.37	5.48	5.47
Subtotal	10,391	10,373	1.29	1.31	9.71	9.77
Imported	12,103	12,111	.71	.70	6.90	6.96
Total	10,395	10,378	1.29	1.30	9.71	9.76

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."

This 1973 photo show construction in progress on two 850 megawatt oil-fired units at the Pennsylvania Power and Light Company's Martins Creek plant. In 1992, Martins Creek received approximately 2.3 million barrels of oil and 600 thousand short tons of coal.

¹⁷For a more detailed discussion regarding the options available to electric utilities for complying with the Clean Air Act Amendments of 1990, see the Energy Information Administration, *Annual Outlook for U.S. Electric Power 1991*, DOE/EIA-0474(91)(Washington, DC, July 1991).

Table ES4. Receipts of Coal by Rank, 1988-1992

Rank	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)
1992						
Anthracite	503	8,470	0.67	32.0	93.7	15.88
Bituminous	453,732	11,987	1.81	10.2	149.6	35.86
Subbituminous	241,291	8,754	.43	7.0	128.5	22.49
Lignite	80,438	6,346	.97	14.6	105.4	13.38
Total	775,963	10,395	1.29	9.71	141.2	29.36
1991						
Anthracite	723	7,961	.64	33.4	94.1	14.98
Bituminous	450,462	11,964	1.84	10.3	153.2	36.66
Subbituminous	239,929	8,722	.42	6.9	132.3	23.08
Lignite	78,810	6,372	.95	14.9	104.9	13.37
Total	769,923	10,378	1.30	9.76	144.7	30.02
1990						
Anthracite	753	8,070	.71	32.7	97.7	15.77
Bituminous	477,782	11,945	1.86	10.5	153.8	36.75
Subbituminous	232,660	8,741	.43	7.2	133.5	23.34
Lignite	75,432	6,433	.92	14.0	98.3	12.65
Total	786,627	10,465	1.35	9.85	145.5	30.45
1989						
Anthracite	633	8,153	.63	32.2	96.0	15.65
Bituminous	451,341	11,936	1.85	10.5	152.6	36.43
Subbituminous	226,322	8,757	.44	7.3	134.7	23.59
Lignite	74,921	6,380	.88	14.1	95.8	12.22
Total	753,217	10,425	1.33	9.93	144.6	30.15
1988						
Anthracite	725	8,656	.57	33.1	92.9	16.08
Bituminous	433,063	11,995	1.84	10.4	154.2	37.00
Subbituminous	220,536	8,772	.45	7.3	138.1	24.23
Lignite	73,451	6,404	.83	14.0	98.0	12.55
Total	727,775	10,451	1.32	9.88	146.8	30.64

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Fossil-Fuel Data at the Census Division and State Level

Coal

In 1992, electric utilities received 776 million short tons of coal, an increase of 6 million short tons from 1991 (Table 1). This annual change in total receipts amounted to less than 1 percent, the smallest year-to-year change reported in the last 10 years. At the Census division level, receipts of coal decreased in the New England, East North Central, and West North Central Census Divisions, while all other Census divisions showed increases in receipts. The largest increase, on a percentage basis, occurred in the Pacific Contiguous Census Division, where receipts of coal increased 17 percent. A substantial decrease in hydroelectric generation in the western United States in 1992 led to increased use of fossil fuels.¹⁸ Receipts of coal in the Mountain Census Division increased by 3 million short tons (3 percent) due, in part, to the above mentioned shortfall in hydroelectric generation. Receipts of coal in the East South Central Census Division increased 3 million short tons; electric utilities increased their coal-fired generation to meet higher sales of electricity to industrial customers. Receipts of coal in both the East North Central and West North Central Census Divisions decreased from 1991 due to a reduction in coal-fired generation. This decrease was due in part to mild weather conditions, which are reflected in the substantial decrease in electricity sales to residential consumers in both Census divisions.¹⁹

The average cost of coal delivered to electric utilities in 1992 was \$29.36 per short ton, a decrease of \$0.66 per short ton from 1991 (Table 2). Abundant supplies of coal available to electric utilities during 1992 resulted in lower coal costs. The highest average delivered cost of coal at the Census division level was \$45.14 per short ton for coal delivered to the New England Census Division. This high average cost of coal is due to the fact that most of the coal delivered to the New England Census Division was high-Btu low-sulfur coal from the Appalachian Region (Kentucky, Virginia, Pennsylvania, and West Virginia). Coal of this quality usually commands premium prices. Transporting this coal also added substantially to its delivered cost. Among

all States, the average cost of coal delivered to Connecticut was the highest at \$51.30 per short ton (194.8 cents per million Btu). Coal delivered to Connecticut had an average sulfur content of 0.55 percent by weight, the lowest sulfur value for any State in the eastern United States (Table 22). The lowest average cost of coal at the Census division level was \$18.92 per short ton (110.0 cents per million Btu) for coal delivered to electric utilities in the West North Central Census Division. A major percentage of the coal delivered to States in this Census division originated in Wyoming and Montana and was delivered to electric plants by unit train. A combination of low-mining costs for western coal and efficient transportation methods resulted in the relatively low average delivered cost. In addition, the low cost of lignite purchased by electric utilities in North Dakota reduced the average delivered cost for this division. The lowest average delivered cost of coal at the State level was \$9.45 per short ton for coal delivered to North Dakota. Nearly all of the coal delivered to North Dakota was low-cost lignite. The average cost per short ton of coal delivered to Wyoming and Montana in 1992 was \$13.42 and \$12.14, respectively (Table 2). Generally, plants located in these States are near the coal mines, thereby reducing transportation costs.

Petroleum

In 1992, receipts of petroleum products at electric utilities totaled 144 million barrels, down 25 million barrels from 1991 (Table 6). This decrease in receipts can be attributed to a substantial decrease in consumption of fuel oil Number 6. The New England, Middle Atlantic, and South Atlantic Census Divisions accounted for 89 percent (129 million barrels) of total U.S. petroleum receipts. Receipts of petroleum products were highest in the South Atlantic Census Division, with 54 million barrels being received in 1992. While the national trend over the last 5 years has been a large reduction in receipts of petroleum, receipts in the South Atlantic Census Division have remained relatively steady at approximately 50 to 60 million barrels per year. Since 1988,

¹⁸Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-03), Table 14.

¹⁹Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(93-03), Table 54.

receipts of petroleum in the New England and Middle Atlantic Census Divisions have decreased 40 and 56 percent, respectively. At the State level, Florida received the highest quantity of petroleum (43 million barrels), followed by New York (33 million barrels), and Massachusetts (22 million barrels). Receipts of petroleum to California totaled only 1,000 barrels, a stark contrast to prior years when the State was heavily dependant on petroleum as a major fuel for electric generation.

The average delivered cost of petroleum is primarily dependent on three factors: the type of fuel oil purchased, the quality (sulfur content) of the fuel oil, and the supply of and demand for petroleum. These factors result in a wide variation in the average delivered cost of petroleum at the State and Census division level. Fuel oil Number 2 is more expensive than fuel oil Number 6; and low-sulfur fuel oil is generally more expensive than high-sulfur fuel oil.

The average cost of petroleum delivered to electric utilities in 1992 was \$16.15 per barrel, an increase of \$0.06 per barrel from 1991 (Table 7). The lowest average delivered cost at the State level was \$12.23 per barrel (185.8 cents per million Btu) for petroleum delivered to New Hampshire. Nearly all of this petroleum was medium-to high-sulfur Number 6 fuel oil. In comparison, Montana reported the highest average delivered cost at \$30.15 per barrel (509.1 cents per million Btu). All receipts of petroleum in the State were Number 2 fuel oil. The national average delivered cost of Number 2 fuel oil was \$26.26 per barrel (451.4 cents per million Btu), compared with \$15.71 per barrel (247.3 cents per million Btu) for Number 6 fuel oil (Table 8).

Gas

Receipts of natural gas at electric utilities amounted to 2,638 billion cubic feet in 1992 (Table 11). This represented an increase of 7 billion cubic feet from 1991. Data on gas receipts include natural gas delivered to steam, combined-cycle steam, and combined-cycle gas turbine units.

The West South Central and Pacific Contiguous Census Divisions accounted for 74 percent (1,946 billion cubic feet) of all receipts of natural gas. Receipts of natural gas in Texas were 956 billion cubic feet--the largest total for any State. California ranked second with total natural gas receipts of 566 billion cubic feet. Louisiana received the third highest volume of natural gas receipts (238 billion cubic feet).

The average delivered cost of natural gas increased by \$0.18 cents per thousand cubic feet in 1992, to a level of \$2.38 per thousand cubic feet (Table 12). The lowest average delivered cost, \$0.81 per thousand cubic feet was reported in Michigan. This was due to the large quantity of low-Btu blast-furnace gas delivered to the Detroit Edison Company. On a cents-per-million-Btu basis, this cost was 195.4 cents. The highest average cost was \$4.18 per thousand cubic feet for a minimal amount of natural gas delivered to electric plants located in North Dakota. It is not unusual for a low volume of natural gas receipts (such as in North Dakota) to be delivered to electric plants at a relatively high cost, because the allocation of the fixed costs associated with pipeline deliveries of gas are based on the volume of deliveries. The cost of natural gas delivered to electric utilities in Texas averaged \$2.25 per thousand cubic feet, an increase of \$0.22 per thousand cubic feet. Receipts of natural gas in Texas accounted for 36 percent of all natural gas delivered to electric utilities in 1992.

Table 1. Receipts of Coal by Census Division and State, 1988-1992
(Thousand Short Tons)

Census Division and State	1992	1991	1990	1989	1988
New England	6,213	6,433	6,345	6,326	6,377
Connecticut	793	871	954	875	830
Maine	--	--	--	--	--
Massachusetts	4,194	4,278	4,120	4,387	4,285
New Hampshire	1,226	1,284	1,271	1,064	1,262
Rhode Island	--	--	--	--	--
Vermont	--	--	--	--	--
Middle Atlantic	53,680	52,066	58,200	55,969	51,532
New Jersey	2,205	2,027	2,835	3,324	2,477
New York	10,393	9,235	10,568	9,879	8,562
Pennsylvania	41,082	40,804	44,796	42,766	40,493
East North Central	169,346	170,575	174,585	161,683	155,300
Illinois	25,449	26,813	26,456	25,067	26,920
Indiana	47,838	46,292	49,194	40,560	36,414
Michigan	27,875	28,866	29,688	28,996	28,344
Ohio	50,596	49,517	51,436	49,505	46,008
Wisconsin	17,589	19,087	17,811	17,535	17,613
West North Central	101,643	101,054	103,252	100,899	99,540
Iowa	15,037	16,344	15,639	14,316	13,974
Kansas	13,634	14,401	15,772	14,725	14,798
Minnesota	15,154	16,187	16,559	16,176	15,451
Missouri	24,502	25,204	24,351	24,788	23,959
Nebraska	7,759	8,908	7,940	7,473	7,485
North Dakota	23,427	21,683	20,915	21,359	21,714
South Dakota	2,130	2,326	2,078	2,063	2,160
South Atlantic	125,181	124,355	134,943	128,322	120,976
Delaware	1,532	2,002	2,192	1,918	2,525
District of Columbia	--	--	--	--	--
Florida	24,377	24,461	24,288	23,375	23,770
Georgia	22,851	24,694	27,888	25,434	25,135
Maryland	9,284	8,668	10,002	8,494	8,854
North Carolina	20,660	18,167	19,606	18,413	16,795
South Carolina	9,255	9,215	9,388	9,805	9,002
Virginia	8,915	8,599	8,488	9,739	7,459
West Virginia	28,307	28,549	33,082	31,143	27,436
East South Central	80,758	77,397	82,726	73,798	73,868
Alabama	24,886	24,350	22,208	21,311	19,895
Kentucky	32,292	30,591	35,151	30,733	29,344
Mississippi	3,208	3,727	3,921	3,455	4,870
Tennessee	20,372	18,730	21,446	18,300	19,759
West South Central	128,757	127,713	120,651	121,925	117,144
Arkansas	11,630	12,443	10,939	11,502	11,907
Louisiana	12,675	12,212	11,593	11,594	12,078
Oklahoma	16,840	15,868	14,471	14,635	13,355
Texas	87,613	87,189	83,649	84,195	79,803
Mountain	102,617	99,693	99,912	98,709	97,184
Arizona	16,315	17,020	15,385	15,244	14,121
Colorado	15,597	15,500	15,343	15,752	14,949
Idaho	--	--	--	--	--
Montana	10,860	10,398	9,519	10,224	10,474
Nevada	7,894	8,084	7,477	7,067	7,886
New Mexico	14,929	12,888	15,241	15,238	14,522
Utah	12,840	13,254	14,014	13,385	12,256
Wyoming	24,181	22,549	22,932	21,798	22,976
Pacific Contiguous	7,768	6,636	6,012	5,606	5,856
California	--	--	--	--	--
Oregon	1,932	1,719	968	--	235
Washington	5,836	4,917	5,044	5,606	5,621
Pacific Noncontiguous	--	--	--	--	--
Alaska	--	--	--	--	--
Hawaii	--	--	--	--	--
Total	775,963	769,923	786,627	753,217	727,775

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 2. Average Delivered Cost of Coal by Census Division and State, 1988-1992

Census Division and State	1992	1991	1990	1989	1988	1992	1991	1990	1989	1988
	(cents per million Btu)					(dollars per short ton)				
New England	172.0	178.9	180.3	169.9	173.2	45.14	47.13	47.38	44.54	45.59
Connecticut	194.8	216.6	212.9	213.7	228.6	51.30	57.35	56.35	56.88	60.07
Maine	---	---	---	---	---	---	---	---	---	---
Massachusetts	168.7	172.5	173.4	160.2	161.2	44.11	45.33	45.30	41.68	42.25
New Hampshire	168.5	174.4	178.1	172.8	177.7	44.69	46.20	47.39	46.18	47.38
Rhode Island	---	---	---	---	---	---	---	---	---	---
Vermont	---	---	---	---	---	---	---	---	---	---
Middle Atlantic	149.6	156.5	155.4	148.9	148.8	37.56	38.99	38.56	37.03	36.92
New Jersey	173.1	178.2	180.1	175.8	171.7	46.62	47.76	48.37	46.84	45.75
New York	148.8	159.4	161.3	157.2	158.1	38.62	41.19	41.45	40.32	40.52
Pennsylvania	148.4	154.7	152.2	144.6	145.3	36.81	38.05	37.25	35.50	35.62
East North Central	145.6	148.7	150.9	154.4	160.4	32.05	32.63	33.17	34.10	35.70
Illinois	173.7	171.4	175.1	181.1	190.6	37.06	36.76	37.79	38.78	40.53
Indiana	131.2	134.4	136.2	135.9	143.2	27.89	28.41	28.78	29.08	31.03
Michigan	155.6	159.2	159.9	172.1	175.7	34.23	35.20	35.60	38.83	40.80
Ohio	143.5	147.9	151.5	148.7	152.2	34.40	35.33	36.01	35.21	36.22
Wisconsin	133.3	135.8	135.8	144.8	146.4	25.92	26.19	26.18	28.10	28.39
West North Central	110.0	112.2	113.0	114.4	115.4	18.92	19.44	19.66	19.85	20.11
Iowa	110.4	110.4	111.8	121.8	123.5	19.58	19.62	19.89	21.77	22.74
Kansas	117.9	122.6	124.2	123.9	123.9	20.99	22.06	22.23	22.00	22.25
Minnesota	118.6	126.0	125.2	119.8	119.6	20.96	22.18	22.00	21.01	20.91
Missouri	133.6	134.2	134.8	135.0	138.2	27.57	27.65	28.03	28.00	28.75
Nebraska	74.6	74.5	75.2	82.7	84.1	12.77	12.73	12.88	14.32	14.49
North Dakota	72.1	70.9	68.6	69.4	70.3	9.45	9.37	9.10	9.13	9.26
South Dakota	113.3	113.3	114.6	124.1	121.4	13.68	13.65	13.97	15.24	15.39
South Atlantic	165.6	169.7	168.9	165.8	166.5	41.28	42.18	41.86	41.19	41.54
Delaware	173.4	178.2	181.5	179.3	180.6	45.31	46.51	47.31	46.41	46.60
District of Columbia	---	---	---	---	---	---	---	---	---	---
Florida	182.0	185.7	184.9	178.7	177.7	45.03	45.87	45.72	44.26	44.16
Georgia	180.1	179.9	178.6	177.5	174.7	43.36	42.95	42.48	42.96	42.53
Maryland	159.5	163.4	164.7	161.1	157.6	40.68	41.83	41.96	40.92	40.12
North Carolina	172.6	177.9	178.0	177.0	177.5	43.00	44.49	44.64	44.35	44.65
South Carolina	152.7	162.6	172.0	170.7	176.0	39.13	41.37	43.54	43.08	44.63
Virginia	147.3	152.2	154.5	154.8	155.1	37.81	38.87	39.29	39.29	39.72
West Virginia	147.2	151.7	147.2	142.5	144.1	36.88	37.93	36.66	35.33	35.95
East South Central	138.5	142.3	143.3	142.9	148.4	33.05	33.93	33.98	33.73	35.36
Alabama	172.7	181.0	184.3	186.5	194.7	41.67	43.82	44.58	44.84	47.37
Kentucky	116.2	117.7	119.3	113.7	119.8	27.01	27.19	27.58	26.13	27.61
Mississippi	159.7	166.9	165.4	167.1	181.2	39.94	41.92	41.49	42.29	45.88
Tennessee	127.3	125.2	134.2	134.3	133.5	31.01	30.48	32.12	31.94	32.17
West South Central	147.4	149.9	148.8	147.5	149.5	22.55	22.98	22.91	22.69	23.08
Arkansas	165.3	159.7	161.1	163.1	158.5	28.84	27.90	28.17	28.45	27.47
Louisiana	153.5	164.7	169.5	162.7	155.5	24.93	27.09	27.78	26.64	25.48
Oklahoma	123.4	131.8	140.4	136.1	148.2	21.47	23.17	24.98	24.03	26.42
Texas	149.1	149.9	145.3	144.9	147.2	21.58	21.66	21.19	21.12	21.50
Mountain	111.3	113.6	113.3	111.6	109.5	21.64	22.22	22.19	21.80	21.32
Arizona	137.4	140.8	143.0	136.0	140.5	28.31	29.16	29.98	28.81	29.92
Colorado	109.2	108.7	106.1	106.4	106.6	21.67	21.49	20.81	20.95	20.84
Idaho	---	---	---	---	---	---	---	---	---	---
Montana	70.8	67.1	67.0	57.7	54.5	12.14	11.44	11.47	9.81	9.29
Nevada	146.2	140.6	149.1	152.0	136.3	32.32	31.28	33.16	33.80	30.21
New Mexico	132.2	137.6	131.8	123.8	117.5	23.83	25.02	24.03	22.61	21.24
Utah	120.9	119.4	116.7	123.9	126.5	27.54	27.40	26.80	28.05	29.07
Wyoming	75.9	83.1	83.6	84.5	84.0	13.42	14.55	14.74	14.86	14.71
Pacific Contiguous	129.6	142.6	149.4	155.6	154.5	22.17	23.16	24.42	25.40	25.41
California	---	---	---	---	---	---	---	---	---	---
Oregon	110.1	108.4	107.9	---	139.0	21.23	18.28	18.02	---	23.70
Washington	137.3	155.1	157.6	155.6	155.2	22.48	24.86	25.64	25.40	25.48
Pacific Noncontiguous	---	---	---	---	---	---	---	---	---	---
Alaska	---	---	---	---	---	---	---	---	---	---
Hawaii	---	---	---	---	---	---	---	---	---	---
Total	141.2	144.7	145.5	144.6	146.6	29.36	30.02	30.45	30.15	30.84

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 3. Receipts and Average Delivered Cost of Coal by Census Division and State, 1992

Census Division and State	Type of Purchase						Mine Type					
	Contract			Spot			Surface			Underground		
	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)
New England	5,514	172.7	45.35	699	166.4	43.48	117	156.8	39.83	6,095	172.3	45.24
Connecticut	713	196.7	51.85	80	177.9	46.34	—	—	—	793	194.8	51.30
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,725	169.3	44.24	468	164.6	43.06	35	145.3	37.47	4,159	168.9	44.16
New Hampshire	1,076	168.9	44.89	151	165.8	43.27	83	161.8	40.83	1,144	169.0	44.97
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	38,005	158.7	39.90	15,675	127.5	31.89	18,549	139.4	34.38	35,131	154.8	39.24
New Jersey	2,055	173.9	46.94	150	161.5	42.24	632	169.8	44.06	1,573	174.4	47.65
New York	5,739	156.5	41.08	4,654	139.0	35.58	1,740	140.8	33.84	8,653	150.2	39.58
Pennsylvania	30,211	158.0	39.20	10,871	121.9	30.16	16,177	138.0	34.06	24,905	155.2	38.60
East North Central	132,373	153.8	33.72	36,973	116.7	26.06	112,825	141.9	30.01	56,521	152.3	36.13
Illinois	22,731	179.9	38.13	2,718	124.9	28.10	13,718	201.1	41.12	11,731	144.4	32.31
Indiana	34,846	136.9	28.68	12,992	116.8	25.78	35,423	122.5	25.57	12,415	154.6	34.54
Michigan	22,958	160.6	35.26	4,917	132.7	29.39	21,487	151.0	31.40	6,388	168.1	43.73
Ohio	39,311	153.9	36.85	11,284	107.5	25.87	27,445	138.1	32.71	23,151	149.9	36.40
Wisconsin	12,528	138.8	27.14	5,062	119.2	22.90	14,754	127.6	23.30	2,835	154.4	39.54
West North Central	86,379	113.2	19.35	15,265	92.5	16.48	92,543	102.5	17.05	9,101	164.6	37.99
Iowa	10,948	120.9	21.61	4,088	81.1	13.92	14,325	108.7	19.00	712	136.2	31.21
Kansas	9,917	126.4	22.26	3,717	96.2	17.60	12,970	115.6	20.27	665	152.3	34.93
Minnesota	14,564	118.7	20.96	590	114.4	20.89	15,080	118.3	20.87	74	158.8	38.29
Missouri	20,251	137.8	28.89	4,251	111.5	21.25	16,883	115.0	22.45	7,619	168.4	38.90
Nebraska	5,635	77.6	13.37	2,124	66.5	11.17	7,728	74.2	12.68	31	151.1	33.99
North Dakota	22,933	72.6	9.53	494	45.1	5.72	23,427	72.1	9.45	—	—	—
South Dakota	2,130	113.3	13.68	—	—	—	2,130	113.3	13.68	—	—	—
South Atlantic	97,236	175.0	43.58	27,946	133.1	33.27	44,753	166.8	41.31	80,428	165.0	41.26
Delaware	1,509	173.4	45.31	22	174.4	45.39	76	173.1	44.77	1,455	173.4	45.34
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	18,828	194.8	48.37	5,550	137.9	33.69	7,805	182.8	44.83	16,572	181.6	45.12
Georgia	19,539	185.9	44.74	3,312	145.9	35.24	9,690	162.8	39.41	13,161	192.9	46.27
Maryland	7,062	163.2	41.56	2,222	147.6	37.87	5,541	165.6	41.67	3,743	150.8	39.21
North Carolina	15,726	182.4	45.41	4,934	141.4	35.32	8,691	172.8	43.04	11,969	172.4	42.97
South Carolina	5,514	159.0	40.61	3,741	143.4	36.96	1,646	153.7	39.51	7,610	152.4	39.05
Virginia	6,463	150.1	38.58	2,452	140.1	35.76	3,389	143.9	36.83	5,526	149.5	38.41
West Virginia	22,594	159.5	39.98	5,713	98.4	24.61	7,916	163.0	40.28	20,391	141.2	35.56
East South Central	67,542	143.2	34.19	13,217	114.4	27.20	38,510	136.9	32.54	42,248	139.9	33.51
Alabama	21,173	180.9	43.63	3,713	126.2	30.48	11,527	172.5	41.97	13,360	172.9	41.40
Kentucky	24,686	119.0	27.53	7,607	107.3	25.33	20,924	117.9	27.80	11,368	113.0	25.55
Mississippi	2,626	165.3	42.02	582	131.9	30.53	1,094	141.6	34.58	2,114	168.7	42.71
Tennessee	19,057	128.2	31.27	1,316	114.1	27.32	4,965	130.3	30.19	15,407	126.4	31.28
West South Central	122,561	148.6	22.55	6,196	127.7	22.64	128,183	147.3	22.48	574	166.0	38.50
Arkansas	11,156	166.9	29.17	474	125.9	21.19	11,630	165.3	28.84	—	—	—
Louisiana	12,675	153.5	24.93	—	—	—	12,675	153.5	24.93	—	—	—
Oklahoma	14,960	127.2	22.16	1,880	92.2	15.95	16,840	123.4	21.47	—	—	—
Texas	83,771	149.4	21.37	3,842	144.5	26.10	87,039	149.0	21.47	574	166.0	38.50
Mountain	94,908	113.4	22.00	7,709	85.7	17.20	84,065	107.1	20.05	18,552	126.7	28.86
Arizona	14,734	140.8	29.18	1,581	103.1	20.19	16,196	137.1	28.22	119	167.5	40.74
Colorado	13,663	110.8	21.75	1,934	99.0	21.07	12,121	110.0	21.08	3,476	106.7	23.71
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	10,860	70.8	12.14	—	—	—	10,860	70.8	12.14	—	—	—
Nevada	7,894	146.2	32.32	—	—	—	5,777	129.0	27.79	2,117	189.2	44.70
New Mexico	14,929	132.2	23.83	—	—	—	14,929	132.2	23.83	—	—	—
Utah	11,733	123.9	28.05	1,107	91.8	22.10	—	—	—	12,840	120.9	27.54
Wyoming	21,095	77.8	13.70	3,086	63.3	11.49	24,181	75.9	13.42	—	—	—
Pacific Contiguous	4,943	139.7	22.06	2,825	115.3	22.37	7,669	130.0	22.14	99	106.9	24.37
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	1,932	110.1	21.23	1,833	110.3	21.06	99	106.9	24.37
Washington	4,943	139.7	22.06	893	126.4	24.84	5,836	137.3	22.48	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	649,460	146.0	29.89	126,503	118.7	26.64	527,214	133.5	25.50	248,749	154.0	37.53

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 4. Receipts of Coal by Rank, Census Division, and State, 1992
(Thousand Short Tons)

Census Division and State	Receipts by Rank				
	Anthracite	Bituminous	Subbituminous	Lignite	Total
New England	--	6,213	--	--	6,213
Connecticut	--	793	--	--	793
Maine	--	--	--	--	--
Massachusetts	--	4,194	--	--	4,194
New Hampshire	--	1,226	--	--	1,226
Rhode Island	--	--	--	--	--
Vermont	--	--	--	--	--
Middle Atlantic	503	53,177	--	--	53,680
New Jersey	--	2,205	--	--	2,205
New York	7	10,387	--	--	10,393
Pennsylvania	496	40,586	--	--	41,082
East North Central	--	124,773	44,574	--	169,346
Illinois	--	18,031	7,418	--	25,449
Indiana	--	36,959	10,879	--	47,838
Michigan	--	14,102	13,773	--	27,875
Ohio	--	50,534	61	--	50,596
Wisconsin	--	5,146	12,443	--	17,589
West North Central	--	20,268	55,823	25,552	101,643
Iowa	--	2,034	13,003	--	15,037
Kansas	--	2,734	10,901	--	13,634
Minnesota	--	80	15,074	--	15,154
Missouri	--	15,390	9,112	--	24,502
Nebraska	--	31	7,728	--	7,759
North Dakota	--	--	5	23,422	23,427
South Dakota	--	--	--	2,130	2,130
South Atlantic	--	125,158	24	--	125,181
Delaware	--	1,532	--	--	1,532
District of Columbia	--	--	--	--	--
Florida	--	24,365	12	--	24,377
Georgia	--	22,840	12	--	22,851
Maryland	--	9,284	--	--	9,284
North Carolina	--	20,660	--	--	20,660
South Carolina	--	9,255	--	--	9,255
Virginia	--	8,915	--	--	8,915
West Virginia	--	28,307	--	--	28,307
East South Central	--	80,534	224	--	80,758
Alabama	--	24,886	--	--	24,886
Kentucky	--	32,292	--	--	32,292
Mississippi	--	3,055	153	--	3,208
Tennessee	--	20,301	71	--	20,372
West South Central	--	2,132	71,916	54,709	128,757
Arkansas	--	--	11,630	--	11,630
Louisiana	--	--	9,463	3,212	12,675
Oklahoma	--	272	16,568	--	16,840
Texas	--	1,860	34,256	51,497	87,613
Mountain	--	41,301	61,138	177	102,617
Arizona	--	12,499	3,816	--	16,315
Colorado	--	6,458	9,139	--	15,597
Idaho	--	--	--	--	--
Montana	--	--	10,683	177	10,860
Nevada	--	7,094	800	--	7,894
New Mexico	--	--	14,929	--	14,929
Utah	--	12,840	--	--	12,840
Wyoming	--	2,410	21,771	--	24,181
Pacific Contiguous	--	178	7,592	--	7,763
California	--	--	--	--	--
Oregon	--	99	1,833	--	1,932
Washington	--	77	5,759	--	5,836
Pacific Noncontiguous	--	--	--	--	--
Alaska	--	--	--	--	--
Hawaii	--	--	--	--	--
Total	503	453,732	241,291	80,438	775,963

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 5. Receipts and Average Delivered Cost of Coal by Sulfur Content, Census Division and State, 1992

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)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)
New England	--	--	--	1,950	180.9	47.24	3,280	168.0	44.04
Connecticut	--	--	--	793	194.8	51.30	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	942	171.5	44.51	3,090	167.8	43.96
New Hampshire	--	--	--	215	170.2	44.28	190	170.7	45.35
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	140	164.3	36.52	5,643	169.2	43.02	4,431	152.7	41.35
New Jersey	--	--	--	1,553	176.1	48.06	--	--	--
New York	82	187.4	47.61	1,678	186.8	47.60	1,322	144.2	36.99
Pennsylvania	58	117.4	20.82	2,412	151.3	36.58	3,109	170.6	43.20
East North Central	43,865	149.3	27.10	29,209	160.6	38.58	15,267	153.2	36.81
Illinois	8,208	245.2	47.14	2,034	161.9	41.28	184	123.5	27.34
Indiana	11,619	123.1	21.74	5,055	151.2	36.10	3,983	153.1	33.36
Michigan	13,084	140.3	26.11	10,424	168.5	41.46	3,596	163.9	42.81
Ohio	104	142.2	28.07	8,964	156.4	37.71	5,870	147.3	35.45
Wisconsin	10,849	109.0	18.87	2,731	159.5	33.02	1,633	151.7	37.98
West North Central	50,287	102.0	17.74	31,316	89.2	12.63	4,665	163.0	32.20
Iowa	12,706	100.8	17.14	106	108.4	19.57	215	101.6	17.65
Kansas	12,556	114.8	19.95	174	123.1	25.83	--	--	--
Minnesota	8,172	116.1	20.58	6,902	121.0	21.21	32	164.4	37.21
Missouri	9,126	96.2	17.24	590	111.8	20.08	2,833	194.7	45.47
Nebraska	7,728	74.2	12.68	31	151.0	33.97	--	--	--
North Dakota	--	--	--	21,601	72.1	9.42	1,368	71.6	9.90
South Dakota	--	--	--	1,912	113.6	13.72	218	110.7	13.27
South Atlantic	302	148.1	36.83	48,825	171.5	42.97	32,832	165.4	41.67
Delaware	--	--	--	863	179.8	46.89	561	166.8	43.65
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	224	148.6	37.60	8,379	176.7	44.37	5,801	188.3	47.88
Georgia	37	156.1	35.65	5,079	187.4	46.01	8,536	166.3	40.88
Maryland	--	--	--	3,644	155.6	39.84	1,034	143.9	36.75
North Carolina	40	138.1	33.61	14,531	173.5	42.99	6,072	170.8	43.08
South Carolina	--	--	--	3,178	154.5	39.84	5,224	152.1	38.90
Virginia	--	--	--	5,270	145.8	37.20	3,322	148.0	38.23
West Virginia	--	--	--	7,882	183.7	45.65	2,282	155.0	38.15
East South Central	433	194.1	39.22	24,079	166.1	40.81	7,852	129.4	32.06
Alabama	209	217.9	54.47	12,165	199.4	48.33	2,081	141.7	34.52
Kentucky	--	--	--	7,972	126.2	30.95	1,854	120.5	29.02
Mississippi	153	143.6	26.11	1,381	184.9	47.06	216	192.7	47.67
Tennessee	71	132.1	22.73	2,561	125.8	32.44	3,702	123.4	31.30
West South Central	80,136	159.3	26.82	17,451	117.9	15.25	26,686	123.7	15.87
Arkansas	11,630	165.3	28.84	--	--	--	--	--	--
Louisiana	9,416	157.5	26.83	3,259	139.4	19.45	--	--	--
Oklahoma	16,623	123.6	21.38	11	161.2	37.69	33	118.2	30.90
Texas	42,468	172.6	28.39	14,181	112.4	14.26	26,654	123.7	15.85
Mountain	47,031	114.1	22.67	55,516	108.9	20.78	69	77.2	14.81
Arizona	7,433	158.1	31.78	8,883	120.8	25.40	--	--	--
Colorado	14,526	110.1	21.77	1,034	97.3	20.44	36	93.0	15.51
Idaho	--	--	--	--	--	--	--	--	--
Montana	123	107.4	14.11	10,737	70.5	12.12	--	--	--
Nevada	4,043	149.6	33.12	3,850	142.7	31.48	--	--	--
New Mexico	--	--	--	14,929	132.2	23.83	--	--	--
Utah	10,081	122.2	27.87	2,759	116.2	26.31	--	--	--
Wyoming	10,825	54.9	8.97	13,323	90.8	17.04	33	64.1	14.05
Pacific Contiguous	2,781	115.0	22.26	4,986	139.6	22.12	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	1,932	110.1	21.23	--	--	--	--	--	--
Washington	849	126.0	24.62	4,986	139.6	22.12	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
Total	224,975	133.8	23.96	218,974	143.1	29.54	95,082	152.5	32.44

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 5. Receipts and Average Delivered Cost of Coal by Sulfur Content, by Census Division and State, 1992 (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	
	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	Receipts (1,000 short tons)	(cents per 10 ⁶ Btu)	(\$ per short ton)	(cents per 10 ⁶ Btu)	(\$ per short ton)
New England	731	170.1	45.07	252	161.7	43.38	--	--	--	172.0	45.14
Connecticut	--	--	--	--	--	--	--	--	--	194.8	51.30
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	162	169.7	44.60	--	--	--	--	--	--	168.7	44.11
New Hampshire	569	170.2	45.20	252	161.7	43.38	--	--	--	168.5	44.69
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	17,798	147.5	37.30	20,782	138.7	34.71	4,886	168.8	40.96	149.6	37.56
New Jersey	8	148.3	40.16	644	165.9	43.22	--	--	--	173.1	46.62
New York	4,397	143.9	37.47	2,915	135.9	35.67	--	--	--	148.8	38.62
Pennsylvania	13,394	148.7	37.25	17,223	138.1	34.22	4,886	168.8	40.96	148.4	36.81
East North Central	9,144	134.9	31.95	30,537	131.0	30.06	41,325	141.8	32.43	145.6	32.05
Illinois	717	107.3	24.74	8,075	139.0	30.95	6,230	150.2	32.03	173.7	37.06
Indiana	3,798	129.2	28.45	11,390	113.0	25.21	11,992	139.4	30.96	131.2	27.89
Michigan	223	122.4	32.44	456	140.4	33.44	92	170.9	42.26	155.6	34.23
Ohio	3,192	138.1	34.67	9,460	137.5	33.34	23,005	140.8	33.26	143.5	34.40
Wisconsin	1,214	159.8	39.93	1,155	190.7	43.50	6	119.6	26.77	133.3	25.92
West North Central	819	127.4	29.07	6,441	147.3	33.11	8,115	142.1	30.63	110.0	18.92
Iowa	346	125.6	27.79	950	144.8	32.73	714	188.9	42.05	110.4	19.58
Kansas	169	131.5	30.56	235	213.3	49.58	500	125.9	28.69	117.9	20.99
Minnesota	8	157.0	40.04	40	150.1	36.50	--	--	--	118.6	20.96
Missouri	296	126.1	29.41	5,215	144.7	32.41	6,442	141.0	30.99	133.6	27.57
Nebraska	--	--	--	--	--	--	--	--	--	74.6	12.77
North Dakota	--	--	--	--	--	--	458	74.4	9.84	72.1	9.45
South Dakota	--	--	--	--	--	--	--	--	--	113.3	13.68
South Atlantic	14,141	156.3	39.08	17,618	172.0	41.89	11,464	142.8	34.81	165.6	41.28
Delaware	108	157.7	41.36	--	--	--	--	--	--	173.4	45.31
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	92	197.4	47.69	9,552	184.5	44.32	329	153.0	36.16	182.0	45.03
Georgia	2,418	181.4	45.61	3,452	196.4	45.66	3,329	188.3	41.75	180.1	43.36
Maryland	3,654	169.2	42.78	952	154.7	40.12	--	--	--	159.5	40.68
North Carolina	15	151.9	37.53	2	149.2	38.04	--	--	--	172.6	43.00
South Carolina	853	148.9	37.90	*	146.1	36.46	--	--	--	152.7	39.13
Virginia	183	154.1	40.35	140	177.3	47.38	--	--	--	147.3	37.81
West Virginia	6,817	140.7	34.74	3,520	123.5	31.85	7,806	125.4	31.79	147.2	36.88
East South Central	11,125	140.2	34.03	24,705	125.7	29.52	12,564	109.9	24.63	138.5	33.05
Alabama	5,535	151.9	36.50	2,996	160.0	38.37	1,901	109.0	25.66	172.7	41.67
Kentucky	1,332	127.5	31.08	10,613	111.9	25.79	10,522	109.9	24.38	116.2	27.01
Mississippi	--	--	--	1,458	132.1	33.49	--	--	--	159.7	39.94
Tennessee	4,258	129.3	31.75	9,639	128.5	30.28	141	117.2	29.21	127.3	31.01
West South Central	3,623	131.4	14.55	698	100.4	11.02	163	104.9	27.03	147.4	22.55
Arkansas	--	--	--	--	--	--	--	--	--	165.3	28.84
Louisiana	--	--	--	--	--	--	--	--	--	153.5	24.93
Oklahoma	--	--	--	10	113.8	26.19	163	104.9	27.03	123.4	21.47
Texas	3,623	131.4	14.55	688	100.0	10.79	--	--	--	149.1	21.58
Mountain	--	--	--	--	--	--	--	--	--	111.3	21.64
Arizona	--	--	--	--	--	--	--	--	--	137.4	28.31
Colorado	--	--	--	--	--	--	--	--	--	109.2	21.67
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	70.8	12.14
Nevada	--	--	--	--	--	--	--	--	--	146.2	32.32
New Mexico	--	--	--	--	--	--	--	--	--	132.2	23.83
Utah	--	--	--	--	--	--	--	--	--	120.9	27.54
Wyoming	--	--	--	--	--	--	--	--	--	75.9	13.42
Pacific Contiguous	--	--	--	--	--	--	--	--	--	129.6	22.17
California	--	--	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	110.1	21.23
Washington	--	--	--	--	--	--	--	--	--	137.3	22.48
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
Total	57,382	145.9	34.80	101,033	139.7	33.04	78,517	138.7	31.86	141.2	29.36

* = 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 6. Receipts of Petroleum by Census Division and State, 1988-1992
(Thousand Barrels)

Census Division and State	1992	1991	1990	1989	1988
New England	35,861	39,568	47,717	58,939	60,107
Connecticut	9,108	11,724	14,688	18,964	18,510
Maine	2,198	2,235	3,790	4,938	5,120
Massachusetts	21,871	23,310	24,575	29,220	29,931
New Hampshire	2,605	2,132	4,292	5,102	5,130
Rhode Island	80	167	372	715	1,416
Vermont	--	--	--	--	--
Middle Atlantic	38,740	53,535	72,878	89,777	87,220
New Jersey	2,438	2,907	5,367	12,276	13,664
New York	32,680	45,887	60,282	65,575	63,074
Pennsylvania	3,622	4,741	7,229	11,926	10,483
East North Central	3,920	4,432	4,743	6,009	5,455
Illinois	2,299	2,341	2,124	2,339	1,803
Indiana	270	360	360	405	324
Michigan	929	1,024	1,610	2,339	2,389
Ohio	369	624	581	821	823
Wisconsin	54	83	67	105	116
West North Central	496	585	404	443	724
Iowa	60	70	86	59	77
Kansas	51	90	39	72	133
Minnesota	36	37	26	21	16
Missouri	288	314	162	133	350
Nebraska	8	8	28	71	101
North Dakota	53	62	55	77	38
South Dakota	--	4	7	10	9
South Atlantic	54,488	57,679	56,302	63,386	53,894
Delaware	2,214	2,448	2,011	3,776	4,016
District of Columbia	231	454	771	1,297	959
Florida	43,311	44,855	42,575	40,432	39,073
Georgia	217	217	304	230	374
Maryland	5,076	6,875	7,144	10,649	5,635
North Carolina	193	226	246	203	229
South Carolina	84	114	114	83	112
Virginia	2,801	2,158	2,781	6,233	3,183
West Virginia	361	333	355	483	312
East South Central	1,108	1,241	1,643	1,748	1,569
Alabama	131	153	125	125	140
Kentucky	221	248	190	203	224
Mississippi	607	657	1,215	1,307	1,087
Tennessee	149	183	113	106	118
West South Central	627	617	1,804	3,381	1,472
Arkansas	97	118	145	235	240
Louisiana	93	89	386	578	510
Oklahoma	115	21	115	37	173
Texas	324	389	1,158	2,532	549
Mountain	790	825	816	1,264	1,500
Arizona	140	133	280	290	204
Colorado	27	17	37	34	13
Idaho	--	--	--	--	--
Montana	16	22	40	41	37
Nevada	390	417	282	664	986
New Mexico	74	78	55	65	97
Utah	29	46	23	40	34
Wyoming	114	110	99	131	128
Pacific Contiguous	35	2,145	12,484	11,170	14,983
California	1	2,045	12,445	11,104	14,966
Oregon	19	84	13	12	--
Washington	15	15	25	53	17
Pacific Noncontiguous	8,324	8,998	10,560	10,306	10,000
Alaska	--	--	--	--	--
Hawaii	8,324	8,998	10,560	10,306	10,000
Total	144,390	169,625	209,350	246,422	236,924

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 7. Average Delivered Cost of Petroleum by Census Division and State, 1988-1992

Census Division and State	1992	1991	1990	1989	1988	1992	1991	1990	1989	1988
	(cents per million Btu)					(dollars per barrel)				
New England	233.2	225.9	205.5	269.2	227.5	14.85	14.34	18.09	17.04	14.37
Connecticut	241.0	247.4	301.5	285.6	239.7	15.27	15.67	19.09	18.01	15.11
Maine	228.8	208.5	278.5	278.2	235.3	14.48	13.20	17.55	17.48	14.74
Massachusetts	236.3	221.0	286.4	264.8	225.9	15.03	14.01	18.08	16.72	14.25
New Hampshire	185.8	179.6	226.9	226.9	186.9	12.23	11.82	14.71	14.85	12.13
Rhode Island	195.0	241.1	358.9	270.3	224.6	12.50	15.34	22.98	17.00	14.24
Vermont	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	267.3	273.6	359.2	296.1	248.9	16.02	17.30	22.61	18.61	15.63
New Jersey	303.3	302.1	359.6	303.5	251.2	18.96	18.84	22.40	18.93	15.63
New York	263.8	271.9	360.3	295.3	248.9	16.72	17.22	22.71	18.58	15.66
Pennsylvania	275.2	272.8	349.5	293.1	245.8	17.04	17.13	21.99	18.49	15.48
East North Central	326.9	336.3	387.2	342.6	301.8	20.03	20.65	23.77	20.99	18.47
Illinois	305.1	308.8	394.7	353.0	312.0	19.27	19.33	24.67	22.03	19.42
Indiana	443.3	493.9	512.2	421.8	363.4	25.57	28.47	29.52	24.27	20.93
Michigan	296.8	285.5	320.2	315.0	279.9	18.34	17.57	19.64	19.23	17.14
Ohio	451.4	428.7	458.8	345.8	311.7	26.09	25.43	27.54	21.06	18.90
Wisconsin	463.7	445.8	526.1	410.0	364.5	27.19	26.08	30.76	23.84	21.07
West North Central	318.5	335.8	498.4	369.0	276.9	19.32	20.28	29.19	22.04	16.90
Iowa	424.0	437.7	518.1	445.1	372.1	24.57	25.37	30.01	25.87	21.51
Kansas	437.8	431.6	540.4	432.8	318.6	25.58	25.08	31.36	25.24	19.01
Minnesota	450.9	382.9	533.3	441.6	369.2	26.24	22.80	30.83	25.50	21.29
Missouri	234.9	261.9	434.6	323.5	237.0	14.67	16.29	25.76	19.82	14.77
Nebraska	464.9	457.3	703.4	248.9	241.7	26.87	26.43	40.78	15.47	15.14
North Dakota	457.7	426.1	499.1	421.9	362.1	26.72	24.87	29.20	24.53	21.07
South Dakota	--	487.9	565.3	450.2	401.7	--	28.69	33.24	26.47	23.62
South Atlantic	244.5	230.0	311.4	277.4	227.7	15.51	14.56	19.66	17.47	14.40
Delaware	241.8	237.9	278.2	277.4	232.1	15.31	15.14	17.68	17.54	14.71
District of Columbia	350.4	318.6	363.3	345.6	278.9	21.03	19.14	21.86	20.78	16.82
Florida	241.7	224.8	301.9	271.1	221.3	15.38	14.28	19.15	17.19	14.07
Georgia	434.4	473.8	485.5	426.7	283.8	25.64	27.46	28.51	24.95	17.02
Maryland	230.3	226.1	315.7	276.2	236.1	14.56	14.25	19.84	17.39	14.90
North Carolina	441.1	473.5	512.1	398.9	348.5	25.65	27.50	29.73	23.17	20.25
South Carolina	461.7	475.1	622.1	426.3	373.6	26.79	27.56	36.07	24.71	21.72
Virginia	247.1	222.7	383.5	284.4	236.3	15.45	13.72	23.57	17.48	14.61
West Virginia	483.8	537.4	572.4	450.5	395.8	28.35	31.39	33.49	26.33	23.23
East South Central	317.5	345.4	322.0	308.0	340.3	19.49	21.07	20.00	19.06	20.93
Alabama	459.8	511.8	556.9	414.3	366.8	26.49	29.47	32.09	23.87	21.01
Kentucky	479.4	505.1	575.0	475.2	384.6	27.99	29.49	33.56	27.71	22.46
Mississippi	200.0	215.7	243.3	267.6	327.7	12.82	13.70	15.45	16.91	20.67
Tennessee	480.2	498.3	560.8	394.7	350.9	27.93	29.05	32.70	22.92	20.39
West South Central	416.4	477.3	468.4	375.0	345.5	24.42	28.02	28.16	22.54	21.14
Arkansas	480.8	560.7	470.4	370.6	435.4	27.71	32.44	27.44	22.44	26.44
Louisiana	387.9	413.4	371.5	379.4	347.6	23.12	24.86	22.62	23.86	21.48
Oklahoma	435.6	408.7	320.3	415.0	268.2	25.33	23.59	20.98	23.92	16.88
Texas	399.0	471.0	517.3	373.8	329.1	23.49	27.64	30.82	22.22	19.83
Mountain	405.7	445.6	424.9	342.6	289.4	24.41	26.80	25.60	20.79	17.68
Arizona	466.5	499.0	446.0	403.1	407.0	27.51	29.27	26.76	23.92	24.01
Colorado	479.3	512.6	534.5	409.9	384.8	27.25	29.36	30.76	23.60	22.14
Idaho	--	--	--	--	--	--	--	--	--	--
Montana	509.1	471.7	543.2	430.9	403.3	30.15	27.94	32.17	25.52	23.88
Nevada	331.3	393.3	314.3	266.5	244.8	20.56	24.37	19.57	17.85	15.25
New Mexico	515.5	535.3	524.5	378.3	308.0	29.38	30.58	30.42	22.17	18.10
Utah	484.1	490.3	541.5	445.2	398.4	28.47	28.75	31.84	26.18	23.43
Wyoming	479.3	494.3	526.8	415.4	379.7	28.01	28.89	30.72	24.27	22.22
Pacific Contiguous	448.7	314.4	435.8	307.9	266.0	26.42	19.22	26.73	18.93	16.35
California	217.9	306.2	435.8	307.6	265.8	13.26	18.75	26.73	18.91	16.34
Oregon	449.2	475.3	347.3	452.8	--	26.44	28.08	20.28	26.59	--
Washington	466.0	572.9	511.0	336.7	403.2	27.39	33.73	30.25	20.66	23.87
Pacific Noncontiguous	292.1	330.6	415.2	329.1	286.7	18.32	20.65	25.97	20.55	17.96
Alaska	--	--	--	--	--	--	--	--	--	--
Hawaii	292.1	330.6	415.2	329.1	286.7	18.32	20.65	25.97	20.55	17.96
Total	255.1	254.8	338.4	289.3	243.9	16.15	16.09	21.28	18.17	15.33

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 8. Receipts and Average Delivered Cost of Petroleum by Census Division and State, 1992

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 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	Receipts (1,000 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	(cents per 10 ⁶ Btu)	(\$ per bbl)	(cents per 10 ⁶ Btu)	(\$ per bbl)	(cents per 10 ⁶ Btu)	(\$ per bbl)
New England	30,598	230.6	14.68	5,099	242.1	15.47	443.2	25.94	--	--	232.3	14.80
Connecticut	8,726	240.1	15.21	347	242.4	15.36	482.1	28.06	--	--	240.1	15.22
Maine	2,177	227.0	14.38	--	--	--	436.5	25.67	--	--	227.0	14.38
Massachusetts	17,682	232.9	14.82	4,110	247.7	15.74	428.3	25.16	--	--	235.7	14.99
New Hampshire	2,012	175.6	11.54	562	209.7	14.00	443.9	25.83	--	--	183.1	12.07
Rhode Island	--	--	--	80	195.0	12.50	--	--	--	--	195.0	12.50
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	29,053	268.1	17.00	8,969	252.2	15.98	437.1	25.48	--	--	264.4	16.76
New Jersey	2,323	301.8	18.87	92	306.4	19.51	450.7	26.13	--	--	302.0	18.90
New York	24,603	266.0	16.88	8,016	255.3	16.14	495.9	28.80	--	--	263.4	16.70
Pennsylvania	2,127	256.0	16.35	861	218.4	14.04	431.1	25.14	--	--	245.1	15.69
East North Central	1,867	281.2	18.03	720	246.9	15.62	445.7	25.82	262.0	16.38	271.7	17.36
Illinois	1,867	281.2	18.03	63	277.7	17.50	444.2	25.81	--	--	281.0	18.02
Indiana	--	--	--	--	--	--	443.3	25.57	--	--	--	--
Michigan	--	--	--	657	244.0	15.44	438.6	25.46	262.0	16.38	244.0	15.44
Ohio	--	--	--	--	--	--	451.4	26.09	--	--	--	--
Wisconsin	--	--	--	--	--	--	463.7	27.19	--	--	--	--
West North Central	--	--	--	193	147.3	9.55	439.8	25.52	--	--	147.3	9.55
Iowa	--	--	--	--	--	--	424.0	24.57	--	--	--	--
Kansas	--	--	--	--	--	--	437.8	25.58	--	--	--	--
Minnesota	--	--	--	--	--	--	450.9	26.24	--	--	--	--
Missouri	--	--	--	189	145.3	9.43	426.1	24.62	--	--	145.3	9.43
Nebraska	--	--	--	--	--	--	464.9	26.87	--	--	--	--
North Dakota	--	--	--	4	245.5	15.16	476.3	27.67	--	--	245.5	15.16
South Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	32,149	237.5	15.11	20,329	237.5	15.11	455.5	26.55	335.1	20.23	237.5	15.11
Delaware	1,669	238.5	15.16	431	206.0	13.14	444.2	25.79	--	--	231.8	14.74
District of Columbia	--	--	--	--	--	--	445.3	25.80	335.1	20.23	--	--
Florida	25,703	240.9	15.32	17,236	238.9	15.22	446.1	26.08	--	--	240.1	15.28
Georgia	--	--	--	40	304.9	19.14	465.9	27.10	--	--	304.9	19.14
Maryland	4,778	218.9	13.92	--	--	--	429.9	24.96	--	--	218.9	13.92
North Carolina	--	--	--	--	--	--	441.1	25.65	--	--	--	--
South Carolina	--	--	--	--	--	--	461.7	26.79	--	--	--	--
Virginia	--	--	--	2,622	232.9	14.63	470.9	27.54	--	--	232.9	14.63
West Virginia	--	--	--	--	--	--	483.8	28.35	--	--	--	--
East South Central	--	--	--	572	185.0	11.93	474.1	27.55	--	--	185.0	11.93
Alabama	--	--	--	--	--	--	459.8	26.49	--	--	--	--
Kentucky	--	--	--	--	--	--	479.4	27.99	--	--	--	--
Mississippi	--	--	--	572	185.0	11.93	467.5	27.23	--	--	185.0	11.93
Tennessee	--	--	--	--	--	--	480.2	27.93	--	--	--	--
West South Central	14	220.0	13.91	3	196.0	12.41	431.7	25.11	359.5	21.92	216.0	13.67
Arkansas	--	--	--	--	--	--	480.8	27.71	--	--	--	--
Louisiana	14	220.0	13.91	3	196.0	12.41	430.7	25.31	--	--	216.0	13.67
Oklahoma	--	--	--	--	--	--	435.6	25.33	--	--	--	--
Texas	--	--	--	--	--	--	411.3	23.95	359.5	21.92	--	--
Mountain	--	--	--	369	323.0	20.11	483.3	28.18	--	--	323.0	20.11
Arizona	--	--	--	--	--	--	466.5	27.51	--	--	--	--
Colorado	--	--	--	--	--	--	479.3	27.25	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	509.1	30.15	--	--	--	--
Nevada	--	--	--	369	323.0	20.11	490.1	28.56	--	--	323.0	20.11
New Mexico	--	--	--	--	--	--	515.5	29.38	--	--	--	--
Utah	--	--	--	--	--	--	484.1	28.47	--	--	--	--
Wyoming	--	--	--	--	--	--	479.3	28.01	--	--	--	--
Pacific Contiguous	--	--	--	1	217.9	13.26	456.5	26.85	--	--	217.9	13.26
California	--	--	--	1	217.9	13.26	--	--	--	--	217.9	13.26
Oregon	--	--	--	--	--	--	449.2	26.44	--	--	--	--
Washington	--	--	--	--	--	--	466.0	27.39	--	--	--	--
Pacific Noncontiguous	8,324	292.1	18.32	--	--	--	--	--	--	--	292.1	18.32
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	8,324	292.1	18.32	--	--	--	--	--	--	--	292.1	18.32
Total	102,006	249.3	15.83	36,255	241.5	15.36	451.4	26.26	340.4	20.62	247.3	15.71

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 9. Receipts of Petroleum by Type, Census Division, and State, 1992
(Thousand Barrels)

Census Division and State	Receipts by Type					
	No. 2 Fuel Oil	No. 4 Fuel Oil ¹	No. 5 Fuel Oil ¹	No. 6 Fuel Oil	Crude Oil ²	Total
New England	164	--	--	35,697	--	35,861
Connecticut	34	--	--	9,074	--	9,108
Maine	21	--	--	2,177	--	2,198
Massachusetts	79	--	--	21,792	--	21,871
New Hampshire	31	--	--	2,574	--	2,605
Rhode Island	--	--	--	80	--	80
Vermont	--	--	--	--	--	--
Middle Atlantic	717	--	--	38,023	--	38,740
New Jersey	23	--	--	2,415	--	2,438
New York	60	--	--	32,619	--	32,680
Pennsylvania	634	--	--	2,988	--	3,622
East North Central	1,329	5	--	2,587	--	3,920
Illinois	369	--	--	1,930	--	2,299
Indiana	270	--	--	--	--	270
Michigan	268	5	--	657	--	929
Ohio	369	--	--	--	--	369
Wisconsin	54	--	--	--	--	54
West North Central	304	--	--	193	--	498
Iowa	60	--	--	--	--	60
Kansas	51	--	--	--	--	51
Minnesota	36	--	--	--	--	36
Missouri	99	--	--	189	--	288
Nebraska	8	--	--	--	--	8
North Dakota	49	--	--	4	--	53
South Dakota	--	--	--	--	--	--
South Atlantic	1,811	198	--	52,479	--	54,488
Delaware	114	--	--	2,100	--	2,214
District of Columbia	33	198	--	--	--	231
Florida	372	--	--	42,939	--	43,311
Georgia	177	--	--	40	--	217
Maryland	298	--	--	4,778	--	5,076
North Carolina	193	--	--	--	--	193
South Carolina	84	--	--	--	--	84
Virginia	179	--	--	2,622	--	2,801
West Virginia	361	--	--	--	--	361
East South Central	537	--	--	572	--	1,108
Alabama	131	--	--	--	--	131
Kentucky	221	--	--	--	--	221
Mississippi	35	--	--	572	--	607
Tennessee	149	--	--	--	--	149
West South Central	536	47	27	17	--	627
Arkansas	97	--	--	--	--	97
Louisiana	75	--	--	17	--	93
Oklahoma	115	--	--	--	--	115
Texas	250	47	27	--	--	324
Mountain	421	--	--	369	--	790
Arizona	140	--	--	--	--	140
Colorado	27	--	--	--	--	27
Idaho	--	--	--	--	--	--
Montana	16	--	--	--	--	16
Nevada	21	--	--	369	--	390
New Mexico	74	--	--	--	--	74
Utah	29	--	--	--	--	29
Wyoming	114	--	--	--	--	114
Pacific Contiguous	34	--	--	1	--	35
California	--	--	--	1	--	1
Oregon	19	--	--	--	--	19
Washington	15	--	--	--	--	15
Pacific Noncontiguous	--	--	--	8,324	--	8,324
Alaska	--	--	--	--	--	--
Hawaii	--	--	--	8,324	--	8,324
Total	5,853	249	27	138,261	--	144,390

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

² Includes small quantities of Topped Crude.

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 10. Receipts and Average Delivered Cost of Petroleum by Sulfur Content,
Census Division and State, 1992**

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 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	Receipts (1,000 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	Receipts (1,000 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)
New England	150	234.0	14.60	3,709	255.6	16.10	16,563	236.4	15.04
Connecticut	--	--	--	1,696	269.0	16.87	7,377	233.6	14.84
Maine	--	--	--	--	--	--	1,682	238.0	15.05
Massachusetts	150	234.0	14.60	2,013	244.3	15.44	7,424	239.2	15.27
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	80	195.0	12.50
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	12,125	281.1	17.57	2,548	279.7	17.70	18,025	260.4	16.63
New Jersey	2,092	306.1	19.10	42	307.3	19.41	281	271.7	17.30
New York	9,752	274.8	17.18	1,913	279.7	17.64	15,629	264.8	16.90
Pennsylvania	280	313.1	19.92	593	277.8	17.80	2,115	227.0	14.53
East North Central	--	--	--	--	--	--	2,591	271.7	17.36
Illinois	--	--	--	--	--	--	1,930	281.0	18.02
Indiana	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	661	244.1	15.45
Ohio	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	--	--	--	10	477.4	29.98	26,668	250.0	15.93
Delaware	--	--	--	--	--	--	1,730	227.9	14.52
District of Columbia	--	--	--	--	--	--	198	335.1	20.23
Florida	--	--	--	--	--	--	22,162	250.3	15.98
Georgia	--	--	--	10	477.4	29.98	--	--	--
Maryland	--	--	--	--	--	--	1,487	245.3	15.62
North Carolina	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	1,091	269.3	16.91
West Virginia	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	6	498.7	29.94	27	290.7	18.07	50	356.9	21.71
Arkansas	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	8	216.0	13.67
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	6	498.7	29.94	27	290.7	18.07	41	387.1	23.35
Mountain	--	--	--	17	365.6	23.76	352	320.8	19.93
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	17	365.6	23.76	352	320.8	19.93
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1	217.9	13.26	--	--	--	--	--	--
California	1	217.9	13.26	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	389	299.6	18.60	7,934	291.8	18.30	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	389	299.6	18.60	7,934	291.8	18.30	--	--	--
Total	12,671	281.2	17.57	14,246	280.4	17.64	64,249	250.7	15.98

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No. 2 Fuel Oil has been omitted from this table.

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, 1992 (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 Receipts	
	Receipts (1,000 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	Receipts (1,000 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	Receipts (1,000 bbls)	(cents per 10 ⁶ Btu)	(\$ per bbl)	(cents per 10 ⁶ Btu)	(\$ per bbl)
New England	3,745	206.8	13.49	11,530	227.4	14.45	--	--	--	232.3	14.80
Connecticut	--	--	--	--	--	--	--	--	--	240.1	15.22
Maine	495	189.9	12.09	--	--	--	--	--	--	227.0	14.38
Massachusetts	676	312.7	19.91	11,530	227.4	14.45	--	--	--	235.7	14.99
New Hampshire	2,574	183.1	12.07	--	--	--	--	--	--	183.1	12.07
Rhode Island	--	--	--	--	--	--	--	--	--	195.0	12.50
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	5,325	233.0	14.87	--	--	--	--	--	--	264.4	16.76
New Jersey	--	--	--	--	--	--	--	--	--	302.0	18.90
New York	5,325	233.0	14.87	--	--	--	--	--	--	263.4	16.70
Pennsylvania	--	--	--	--	--	--	--	--	--	245.1	15.69
East North Central	--	--	--	--	--	--	--	--	--	271.7	17.36
Illinois	--	--	--	--	--	--	--	--	--	281.0	18.02
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	244.1	15.45
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	184	147.1	9.53	9	153.1	10.00	147.3	9.55
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	180	144.9	9.40	9	153.1	10.00	145.3	9.43
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	4	245.5	15.16	--	--	--	245.5	15.16
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	19,723	227.0	14.40	6,276	219.8	13.95	--	--	--	237.8	15.13
Delaware	305	257.6	16.23	64	215.0	13.58	--	--	--	231.8	14.74
District of Columbia	--	--	--	--	--	--	--	--	--	335.1	20.23
Florida	14,596	233.0	14.80	6,182	219.7	13.95	--	--	--	240.1	15.28
Georgia	--	--	--	30	246.6	15.48	--	--	--	304.9	19.14
Maryland	3,291	207.0	13.15	--	--	--	--	--	--	218.9	13.92
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	1,531	207.0	13.00	--	--	--	--	--	--	232.9	14.63
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	572	185.0	11.93	--	--	--	185.0	11.93
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	572	185.0	11.93	--	--	--	185.0	11.93
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	9	216.1	13.66	--	--	--	--	--	--	331.3	20.35
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	9	216.1	13.66	--	--	--	--	--	--	216.0	13.67
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	359.5	21.92
Mountain	--	--	--	--	--	--	--	--	--	323.0	20.11
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	323.0	20.11
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--	217.9	13.26
California	--	--	--	--	--	--	--	--	--	217.9	13.26
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	292.1	18.32
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	292.1	18.32
Total	28,802	225.4	14.37	18,561	222.7	14.15	9	153.1	10.00	247.5	15.72

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 has been omitted from this table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 11. Receipts of Gas by Census Division and State, 1988-1992
(Thousand Mcf)

Census Division and State	1992	1991	1990	1989	1988
New England	42,087	45,852	58,576	48,076	14,978
Connecticut	2,000	4,690	4,863	3,297	1,260
Maine	--	--	--	--	--
Massachusetts	37,913	38,248	47,779	42,540	13,552
New Hampshire	916	--	--	--	--
Rhode Island	458	1,821	5,933	2,239	166
Vermont	800	1,093	--	--	--
Middle Atlantic	229,709	246,863	253,456	211,669	176,698
New Jersey	32,305	51,744	34,822	39,338	34,051
New York	195,476	194,870	218,442	172,068	142,255
Pennsylvania	1,929	249	192	264	392
East North Central	43,401	45,531	36,391	27,106	22,216
Illinois	8,952	11,126	7,041	5,111	4,521
Indiana	7,467	9,026	6,294	3,863	3,074
Michigan	22,222	20,720	20,619	16,247	13,141
Ohio	2,458	2,966	941	590	478
Wisconsin	2,300	1,693	1,496	1,295	1,003
West North Central	18,203	48,575	31,325	21,058	22,480
Iowa	1,816	2,083	2,211	2,009	3,844
Kansas	10,437	28,979	21,221	14,254	12,923
Minnesota	3,008	3,354	2,398	1,964	3,370
Missouri	1,592	10,820	2,378	606	702
Nebraska	1,310	3,166	3,117	2,224	1,640
North Dakota	*	*	*	*	1
South Dakota	39	172	--	--	--
South Atlantic	217,376	231,677	185,818	185,448	138,859
Delaware	2,188	5,087	4,213	6,087	1,304
District of Columbia	--	--	--	--	--
Florida	191,121	191,825	157,513	155,902	129,897
Georgia	1,199	790	1,757	626	1,334
Maryland	8,584	13,234	15,195	17,307	3,874
North Carolina	2,917	2,932	--	--	--
South Carolina	1,315	9,518	5,877	1,881	1,664
Virginia	10,433	8,096	1,094	3,517	700
West Virginia	219	196	169	129	86
East South Central	41,671	51,819	55,419	38,538	29,958
Alabama	2,923	3,434	2,581	1,556	1,080
Kentucky	240	205	236	320	400
Mississippi	38,508	48,180	52,602	36,663	28,478
Tennessee	--	--	--	--	--
West South Central	1,365,720	1,404,965	1,375,523	1,375,525	1,402,134
Arkansas	27,137	27,672	31,951	29,473	21,976
Louisiana	237,653	223,528	236,550	212,443	237,906
Oklahoma	145,415	163,914	141,150	150,296	151,747
Texas	955,515	989,850	965,872	983,314	990,506
Mountain	80,491	76,185	61,017	80,436	46,002
Arizona	29,420	22,575	11,302	28,420	11,179
Colorado	1,521	2,680	2,451	4,754	5,205
Idaho	--	--	--	--	--
Montana	118	83	286	330	281
Nevada	22,804	19,916	22,516	20,859	9,150
New Mexico	21,661	26,895	24,389	25,986	20,002
Utah	4,884	3,960	1	--	--
Wyoming	83	76	70	87	185
Pacific Contiguous	580,334	460,628	433,454	484,649	509,394
California	565,619	449,661	433,454	484,649	509,394
Oregon	14,684	10,940	--	--	--
Washington	30	27	--	--	--
Pacific Noncontiguous	18,086	18,722	--	--	--
Alaska	18,086	18,722	--	--	--
Hawaii	--	--	--	--	--
Total	2,637,678	2,630,818	2,490,979	2,472,506	2,362,721

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

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

Table 12. Average Delivered Cost of Gas by Census Division and State, 1988-1992

Census Division and State	1992	1991	1990	1989	1988	1992	1991	1990	1989	88
	(cents per million Btu)					(dollars per Mcf)				
New England	256.9	215.6	240.3	238.5	221.6	2.65	2.24	2.52	2.50	2.28
Connecticut	265.9	209.0	270.2	251.1	217.4	2.74	2.16	2.79	2.59	2.24
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	259.3	218.4	240.1	237.4	222.2	2.68	2.27	2.53	2.49	2.29
New Hampshire	205.9	—	—	—	—	2.10	—	—	—	—
Rhode Island	213.4	198.0	216.9	241.2	208.3	2.20	2.04	2.24	2.49	2.15
Vermont	202.4	174.0	—	—	—	2.00	1.72	—	—	—
Middle Atlantic	237.4	217.2	235.4	237.4	224.0	2.45	2.24	2.43	2.44	2.31
New Jersey	210.9	195.7	217.2	245.5	224.5	2.18	2.02	2.24	2.54	2.32
New York	241.2	222.8	238.2	235.3	223.6	2.48	2.30	2.46	2.42	2.30
Pennsylvania	297.2	295.3	294.9	348.2	333.0	3.06	3.05	3.04	3.58	3.45
East North Central	221.2	218.1	252.9	285.8	295.7	1.56	1.59	1.43	1.34	1.50
Illinois	220.1	210.4	267.0	326.2	326.9	2.24	2.14	2.73	3.32	3.34
Indiana	247.7	237.7	258.0	269.5	259.1	2.48	2.38	2.58	2.70	2.60
Michigan	195.4	195.9	210.6	174.8	255.5	.81	.76	.47	.19	.41
Ohio	223.8	217.9	254.6	313.2	346.5	2.31	2.19	2.57	3.15	3.51
Wisconsin	240.0	270.3	292.7	309.5	325.2	2.42	2.72	2.95	3.11	3.26
West North Central	209.8	171.7	188.4	211.5	210.9	2.08	1.68	1.86	2.07	2.10
Iowa	306.8	268.5	304.5	267.4	202.7	3.08	2.70	3.06	2.69	2.04
Kansas	199.9	170.7	175.8	197.6	206.0	1.94	1.65	1.74	1.92	2.05
Minnesota	183.7	170.2	192.1	214.6	198.4	1.85	1.71	1.93	2.16	1.99
Missouri	187.2	149.1	171.5	245.8	277.0	1.89	1.51	1.75	2.50	2.75
Nebraska	238.2	196.8	200.8	236.1	268.6	2.28	1.85	1.90	2.26	2.56
North Dakota	403.3	433.9	386.2	439.1	428.6	4.18	4.36	4.01	4.61	4.56
South Dakota	282.7	175.8	—	—	—	2.88	1.77	—	—	—
South Atlantic	230.5	212.0	250.8	248.0	212.2	2.34	2.16	2.55	2.52	2.14
Delaware	260.0	236.9	257.7	254.4	242.1	2.70	2.49	2.72	2.73	2.59
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	227.7	213.5	253.3	246.2	210.1	2.30	2.17	2.56	2.49	2.12
Georgia	282.2	276.3	296.8	315.6	273.4	2.89	2.83	3.04	3.23	2.80
Maryland	255.0	225.8	244.7	260.1	259.7	2.66	2.36	2.55	2.72	2.71
North Carolina	286.0	267.5	—	—	—	2.96	2.76	—	—	—
South Carolina	169.0	148.9	171.8	222.1	180.6	1.73	1.53	1.76	2.27	1.86
Virginia	237.2	182.2	258.2	247.9	204.9	2.48	1.90	2.69	2.58	2.16
West Virginia	352.5	363.3	513.3	458.8	389.2	3.53	3.63	5.13	4.59	3.89
East South Central	183.2	159.6	178.8	185.6	186.3	1.88	1.64	1.85	1.90	1.91
Alabama	222.9	187.1	215.6	220.5	207.1	2.28	1.91	2.22	2.27	2.15
Kentucky	271.5	259.7	297.5	267.3	246.0	2.77	2.65	3.04	2.73	2.52
Mississippi	179.7	157.3	176.4	183.4	184.7	1.85	1.61	1.83	1.88	1.90
Tennessee	—	—	—	—	—	—	—	—	—	—
West South Central	221.3	199.7	210.6	215.7	207.8	2.28	2.06	2.18	2.24	2.15
Arkansas	153.2	140.9	154.0	165.4	135.0	1.57	1.44	1.57	1.69	1.39
Louisiana	182.8	153.1	165.9	170.2	163.1	1.91	1.59	1.73	1.78	1.70
Oklahoma	308.2	286.5	300.8	292.5	281.3	3.20	2.98	3.14	3.05	2.92
Texas	219.5	197.4	210.2	215.3	209.0	2.25	2.03	2.18	2.23	2.16
Mountain	201.8	181.5	202.0	217.2	229.4	2.07	1.86	2.08	2.24	2.35
Arizona	221.3	200.3	236.9	224.4	224.1	2.28	2.06	2.45	2.32	2.32
Colorado	214.0	214.9	217.3	228.3	228.7	2.14	2.14	2.15	2.23	2.25
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	341.9	393.5	145.2	113.8	126.3	4.12	4.70	1.77	1.38	1.53
Nevada	186.7	173.4	195.6	211.3	271.8	1.91	1.78	2.02	2.17	2.79
New Mexico	195.4	170.1	190.8	213.3	213.6	1.99	1.73	1.97	2.20	2.19
Utah	174.5	161.5	503.5	—	—	1.87	1.72	5.04	—	—
Wyoming	320.1	333.6	314.9	348.1	367.9	3.33	3.51	3.26	3.61	3.78
Pacific Contiguous	269.9	283.9	303.1	292.4	283.1	2.79	2.92	3.13	3.04	2.93
California	271.8	286.9	303.1	292.4	283.1	2.81	2.95	3.13	3.04	2.93
Oregon	193.7	157.0	—	—	—	1.96	1.59	—	—	—
Washington	315.5	383.0	—	—	—	3.31	4.02	—	—	—
Pacific Noncontiguous	117.6	115.6	—	—	—	1.18	1.16	—	—	—
Alaska	117.6	115.6	—	—	—	1.18	1.16	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	232.8	215.3	232.1	235.5	226.3	2.38	2.20	2.38	2.42	2.33

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

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

Table 13. Receipts and Average Delivered Cost of Gas by Census Division and State, 1992

Census Division and State	Type of Purchase											
	Firm			Interruptible			Off-Peak			Total		
	Receipts (1,000 Mcf)	(cents per 10 ⁶ Btu)	(\$ per Mcf)	Receipts (1,000 Mcf)	(cents per 10 ⁶ Btu)	(\$ per Mcf)	Receipts (1,000 Mcf)	(cents per 10 ⁶ Btu)	(\$ per Mcf)	Receipts (1,000 Mcf)	(cents per 10 ⁶ Btu)	(\$ per Mcf)
New England	627	466.7	4.87	41,460	253.7	2.61	—	—	—	42,087	256.9	2.65
Connecticut	282	567.1	5.84	1,718	216.4	2.23	—	—	—	2,000	265.9	2.74
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	199	523.5	5.61	37,714	257.8	2.66	—	—	—	37,913	259.3	2.68
New Hampshire	—	—	—	916	205.9	2.10	—	—	—	916	205.9	2.10
Rhode Island	145	190.5	1.96	313	224.1	2.31	—	—	—	458	213.4	2.20
Vermont	—	—	—	800	202.4	2.00	—	—	—	800	202.4	2.00
Middle Atlantic	30,453	227.6	2.35	166,576	242.9	2.50	32,681	218.3	2.25	229,709	237.4	2.45
New Jersey	—	—	—	32,305	210.9	2.18	—	—	—	32,305	210.9	2.18
New York	30,367	227.4	2.35	132,428	250.0	2.57	32,681	218.3	2.25	195,476	241.2	2.48
Pennsylvania	86	302.2	3.11	1,843	297.0	3.06	—	—	—	1,929	297.2	3.06
East North Central	11,026	241.6	2.43	32,375	209.6	1.26	—	—	—	43,401	221.2	1.56
Illinois	1,283	255.8	2.59	7,669	214.1	2.18	—	—	—	8,952	220.1	2.24
Indiana	7,058	247.4	2.47	409	253.4	2.59	—	—	—	7,467	247.7	2.48
Michigan	364	210.0	2.10	21,859	194.8	.79	—	—	—	22,222	195.4	.81
Ohio	2,101	207.4	2.14	357	318.9	3.34	—	—	—	2,458	223.8	2.31
Wisconsin	220	361.8	3.66	2,080	227.1	2.29	—	—	—	2,300	240.0	2.42
West North Central	918	258.5	2.71	15,334	211.7	2.08	1,951	170.0	1.64	18,203	209.8	2.06
Iowa	169	353.4	3.59	1,647	301.9	3.03	—	—	—	1,816	306.8	3.08
Kansas	675	241.4	2.56	8,378	201.9	1.95	1,384	164.9	1.56	10,437	199.9	1.94
Minnesota	—	—	—	2,442	184.2	1.85	567	181.4	1.84	3,008	183.7	1.85
Missouri	—	—	—	1,592	187.2	1.89	—	—	—	1,592	187.2	1.89
Nebraska	74	202.3	2.02	1,235	240.4	2.30	—	—	—	1,310	238.2	2.28
North Dakota	—	—	—	*	403.3	4.18	—	—	—	*	403.3	4.18
South Dakota	—	—	—	39	282.7	2.88	—	—	—	39	282.7	2.88
South Atlantic	161,558	230.0	2.32	56,418	231.9	2.39	—	—	—	217,976	230.5	2.34
Delaware	1,452	266.8	2.77	736	246.6	2.56	—	—	—	2,188	260.0	2.70
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	160,106	229.7	2.32	31,015	218.0	2.23	—	—	—	191,121	227.7	2.30
Georgia	—	—	—	1,199	282.2	2.89	—	—	—	1,199	282.2	2.89
Maryland	—	—	—	8,584	255.0	2.66	—	—	—	8,584	255.0	2.66
North Carolina	—	—	—	2,917	286.0	2.96	—	—	—	2,917	286.0	2.96
South Carolina	—	—	—	1,315	169.0	1.73	—	—	—	1,315	169.0	1.73
Virginia	—	—	—	10,433	237.2	2.48	—	—	—	10,433	237.2	2.48
West Virginia	—	—	—	219	352.5	3.53	—	—	—	219	352.5	3.53
East South Central	11,474	202.6	2.10	30,009	175.3	1.80	188	264.3	2.71	41,671	183.2	1.88
Alabama	—	—	—	2,923	222.9	2.28	—	—	—	2,923	222.9	2.28
Kentucky	—	—	—	52	298.6	2.99	188	264.3	2.71	240	271.5	2.77
Mississippi	11,474	202.6	2.10	27,034	169.9	1.74	—	—	—	38,508	179.7	1.85
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	1,013,951	233.4	2.41	351,768	186.3	1.92	—	—	—	1,365,720	221.3	2.28
Arkansas	3,112	110.9	1.25	24,025	159.3	1.61	—	—	—	27,137	153.2	1.57
Louisiana	109,534	170.1	1.77	128,120	193.7	2.02	—	—	—	237,653	182.8	1.91
Oklahoma	134,026	320.5	3.33	11,389	158.2	1.59	—	—	—	145,415	308.2	3.20
Texas	767,279	227.7	2.34	188,235	186.1	1.90	—	—	—	955,515	219.5	2.25
Mountain	38,079	203.4	2.09	42,412	200.4	2.06	—	—	—	80,491	201.8	2.07
Arizona	25,253	209.8	2.16	4,166	290.7	3.00	—	—	—	29,420	221.3	2.28
Colorado	622	205.6	2.03	899	219.7	2.22	—	—	—	1,521	214.0	2.14
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	111	340.0	4.12	7	375.2	4.24	—	—	—	118	341.9	4.12
Nevada	—	—	—	22,804	186.7	1.91	—	—	—	22,804	186.7	1.91
New Mexico	12,093	188.2	1.91	9,568	204.5	2.08	—	—	—	21,661	195.4	1.99
Utah	—	—	—	4,884	174.5	1.87	—	—	—	4,884	174.5	1.87
Wyoming	—	—	—	83	320.1	3.33	—	—	—	83	320.1	3.33
Pacific Contiguous	—	—	—	580,334	269.9	2.79	—	—	—	580,334	269.9	2.79
California	—	—	—	565,619	271.8	2.81	—	—	—	565,619	271.8	2.81
Oregon	—	—	—	14,684	193.7	1.96	—	—	—	14,684	193.7	1.96
Washington	—	—	—	30	315.5	3.31	—	—	—	30	315.5	3.31
Pacific Noncontiguous	18,086	117.6	1.18	—	—	—	—	—	—	18,086	117.6	1.18
Alaska	18,086	117.6	1.18	—	—	—	—	—	—	18,086	117.6	1.18
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	1,286,172	230.3	2.37	1,316,686	235.8	2.40	34,820	216.0	2.22	2,637,678	232.8	2.38

* = Number less than 0.5.

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

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

Table 14. Receipts of Gas by Type, Census Division, and State, 1992
(Thousand Mcf)

Census Division and State	Receipts by Type			
	Natural Gas	LNG and SNG ¹	Other ²	Total
New England	42,087	--	--	42,087
Connecticut	2,000	--	--	2,000
Maine	--	--	--	--
Massachusetts	37,913	--	--	37,913
New Hampshire	916	--	--	916
Rhode Island	458	--	--	458
Vermont	800	--	--	800
Middle Atlantic	229,709	--	--	229,709
New Jersey	32,305	--	--	32,305
New York	195,476	--	--	195,476
Pennsylvania	1,929	--	--	1,929
East North Central	29,121	--	14,280	43,401
Illinois	8,952	--	--	8,952
Indiana	7,467	--	--	7,467
Michigan	7,942	--	14,280	22,222
Ohio	2,458	--	--	2,458
Wisconsin	2,300	--	--	2,300
West North Central	18,157	--	46	18,203
Iowa	1,816	--	--	1,816
Kansas	10,392	--	46	10,437
Minnesota	3,008	--	--	3,008
Missouri	1,592	--	--	1,592
Nebraska	1,310	--	--	1,310
North Dakota	.	--	--	.
South Dakota	39	--	--	39
South Atlantic	217,769	--	207	217,976
Delaware	2,188	--	--	2,188
District of Columbia	--	--	--	--
Florida	191,121	--	--	191,121
Georgia	1,199	--	--	1,199
Maryland	8,584	--	--	8,584
North Carolina	2,917	--	--	2,917
South Carolina	1,315	--	--	1,315
Virginia	10,226	--	207	10,433
West Virginia	219	--	--	219
East South Central	41,671	--	--	41,671
Alabama	2,923	--	--	2,923
Kentucky	240	--	--	240
Mississippi	38,508	--	--	38,508
Tennessee	--	--	--	--
West South Central	1,365,720	--	--	1,365,720
Arkansas	27,137	--	--	27,137
Louisiana	237,653	--	--	237,653
Oklahoma	145,415	--	--	145,415
Texas	955,515	--	--	955,515
Mountain	80,491	--	--	80,491
Arizona	29,420	--	--	29,420
Colorado	1,521	--	--	1,521
Idaho	--	--	--	--
Montana	118	--	--	118
Nevada	22,804	--	--	22,804
New Mexico	21,661	--	--	21,661
Utah	4,884	--	--	4,884
Wyoming	83	--	--	83
Pacific Contiguous	580,334	--	--	580,334
California	565,619	--	--	565,619
Oregon	14,684	--	--	14,684
Washington	30	--	--	30
Pacific Noncontiguous	18,086	--	--	18,086
Alaska	18,086	--	--	18,086
Hawaii	--	--	--	--
Total	2,623,146	--	14,533	2,637,678

¹ Liquefied Natural Gas and Synthetic Natural Gas.

² Includes small quantities of Coke-Oven Gas, Refinery Gas, and Blast-Furnace gas.

* = Number less than 0.5

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

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

Table 15. Total Heating Value and Cost of Fossil-Fuels by Census Division and State, 1992

Census Division and State	Total Btu (billions)				% of Total Btu			Avg. Delivered Cost (cents per 10 ⁶ Btu)		
	Total	Coal	Petroleum	Gas	Coal	Petroleum	Gas	Coal	Petroleum	Gas
New England	434,761	163,027	228,353	43,381	37.5	52.5	10.0	172.0	233.2	256.9
Connecticut	80,648	20,883	57,703	2,062	25.9	71.5	2.6	194.8	241.0	265.9
Maine	13,912	--	13,912	--	--	100.0	--	--	228.8	--
Massachusetts	287,826	109,624	139,078	39,124	38.1	48.3	13.6	168.7	236.3	259.3
New Hampshire	50,603	32,520	17,150	933	64.3	33.9	1.8	168.5	185.8	205.9
Rhode Island	983	--	511	472	--	52.0	48.0	--	195.0	213.4
Vermont	790	--	--	790	--	--	100.0	--	--	202.4
Middle Atlantic	1,829,727	1,347,889	245,179	236,659	73.7	13.4	12.9	149.6	267.3	237.4
New Jersey	108,039	59,383	15,242	33,414	55.0	14.1	30.9	173.1	303.3	210.9
New York	678,139	269,766	207,115	201,257	39.8	30.5	29.7	148.8	263.8	241.2
Pennsylvania	1,043,549	1,018,739	22,822	1,987	97.6	2.2	.2	148.4	275.2	297.2
East North Central	3,782,287	3,727,385	24,259	30,643	98.5	.6	.8	145.6	326.9	221.2
Illinois	566,503	542,891	14,514	9,097	95.8	2.6	1.6	173.7	305.1	220.1
Indiana	1,025,910	1,016,877	1,558	7,476	99.1	.2	.7	131.2	443.3	247.7
Michigan	627,932	612,982	5,740	9,210	97.6	.9	1.5	155.6	296.8	195.4
Ohio	1,217,198	1,212,528	2,131	2,539	99.6	.2	.2	143.5	451.4	223.8
Wisconsin	344,744	342,108	315	2,321	99.2	.1	.7	133.3	463.7	240.0
West North Central	1,769,513	1,748,618	3,011	17,884	98.8	.2	1.0	110.0	318.5	209.8
Iowa	268,828	266,656	348	1,824	99.2	.1	.7	110.4	424.0	306.8
Kansas	253,103	242,680	295	10,128	95.9	.1	4.0	117.9	437.8	199.9
Minnesota	271,098	267,854	211	3,033	98.8	.1	1.1	118.6	450.9	183.7
Missouri	509,152	505,751	1,797	1,604	99.3	.4	.3	133.6	234.9	187.2
Nebraska	134,025	132,721	48	1,256	99.0	*	.9	74.6	464.9	238.2
North Dakota	307,561	307,249	312	*	99.9	.1	*	72.1	457.7	403.3
South Dakota	25,746	25,706	--	40	99.8	--	.2	113.3	--	282.7
South Atlantic	3,686,665	3,119,860	345,568	221,238	84.6	9.4	6.0	165.6	244.5	230.5
Delaware	56,304	40,017	14,019	2,269	71.1	24.9	4.0	173.4	241.8	260.0
District of Columbia	1,388	--	1,388	--	--	100.0	--	--	350.4	--
Florida	1,071,901	603,090	275,540	193,270	56.3	25.7	18.0	182.0	241.7	227.7
Georgia	552,726	550,214	1,284	1,228	99.5	.2	.2	180.1	434.4	282.2
Maryland	277,871	236,799	32,103	8,970	85.2	11.6	3.2	159.5	230.3	255.0
North Carolina	518,848	514,706	1,120	3,022	99.2	.2	.6	172.6	441.1	286.0
South Carolina	239,081	237,251	485	1,345	99.2	.2	.6	152.7	461.7	169.0
Virginia	257,181	228,751	17,513	10,916	88.9	6.8	4.2	147.3	247.1	237.2
West Virginia	711,366	709,031	2,116	219	99.7	.3	*	147.2	483.8	352.5
East South Central	1,977,012	1,927,362	6,840	42,847	97.5	.3	2.2	138.5	317.5	183.2
Alabama	604,052	600,313	755	2,984	99.4	.1	.5	172.7	459.8	222.9
Kentucky	752,010	750,473	1,292	245	99.8	.2	*	116.2	479.4	271.5
Mississippi	123,743	80,235	3,891	39,617	64.8	3.1	32.0	159.7	200.0	179.7
Tennessee	497,207	496,341	865	--	99.8	.2	--	127.3	480.2	--
West South Central	3,380,182	1,969,403	3,680	1,407,099	58.3	.1	41.6	147.4	416.4	221.3
Arkansas	231,294	202,919	558	27,818	87.7	.2	12.0	165.3	480.8	153.2
Louisiana	454,356	205,881	552	247,923	45.3	.1	54.6	153.5	387.9	182.8
Oklahoma	444,534	293,014	666	150,855	65.9	.1	33.9	123.4	435.6	308.2
Texas	2,249,997	1,267,590	1,904	980,503	56.3	.1	43.6	149.1	399.0	219.5
Mountain	2,082,848	1,995,375	4,755	82,718	95.8	.2	4.0	111.3	405.7	201.8
Arizona	367,345	336,201	826	30,318	91.5	.2	8.3	137.4	466.5	221.3
Colorado	311,117	309,442	154	1,521	99.5	*	.5	109.2	479.3	214.0
Idaho	--	--	--	--	--	--	--	--	--	--
Montana	186,507	186,270	95	142	99.9	.1	.1	70.8	509.1	341.9
Nevada	200,273	174,470	2,421	23,383	87.1	1.2	11.7	146.2	331.3	186.7
New Mexico	291,558	269,108	425	22,025	92.3	.1	7.6	132.2	515.5	195.4
Utah	297,777	292,362	171	5,244	98.2	.1	1.8	120.9	484.1	174.5
Wyoming	428,272	427,521	664	86	99.8	.2	*	75.9	479.3	320.1
Pacific Contiguous	732,400	132,834	204	599,363	18.1	*	81.8	129.6	448.7	269.9
California	584,492	--	7	584,485	--	*	100.0	--	217.9	271.8
Oregon	52,213	37,255	112	14,846	71.4	.2	28.4	110.1	449.2	193.7
Washington	95,696	95,578	85	32	99.9	.1	*	137.3	466.0	315.5
Pacific Noncontiguous	70,277	--	52,192	18,085	--	74.3	25.7	--	292.1	117.6
Alaska	18,085	--	--	18,085	--	--	100.0	--	--	117.6
Hawaii	52,192	--	52,192	--	--	100.0	--	--	292.1	--
Total	19,745,672	16,131,752	914,004	2,699,916	81.7	4.6	13.7	141.2	255.1	232.8

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

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

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

Origin and Destination of Coal

This chapter contains information on the origin and destination of coal to steam-electric plants. Table 16 presents data on the volume, quality, and delivered cost of coal from each coal producing State. Table 17 contains company level data on each electric utility that receives lignite while Table 18 provides data on coal imported by electric utilities for the years 1988 through 1992. Tables 19, 20, and 21 provide data on coal receipts to electric utilities from the three main coal-producing regions in the United States. It should be noted that due to its unique characteristics when compared with other coals, lignite receipts have been omitted from Tables 20 and 21.

Table 22 provides a list of States that received coal for use at electric plants during 1992. The volume, quality, and delivered cost of coal to each State is shown in bold print. Beneath each bolded line of print are the States of origin of that coal. For example, Table 22 shows that electric plants located in Alabama received 24,886 thousand short tons of coal in 1992. Of this total, 16,265 thousand short tons of coal was received from mines located in Alabama; 956 thousand short tons, from Illinois; 19 thousand short tons, from Indiana; 4,078 thousand short tons, from Kentucky, 817 thousand short tons, from Tennessee, and 2,752 thousand short tons, from West Virginia.

Table 23 provides a list of States of origin from which coal was delivered to electric utilities. Origin State data are shown in bold print. Beneath each bolded line of print are the States of destination for that coal. For example, Table 23 shows that coal originating in Alabama totaled 16,435 thousand short tons and was delivered to electric plants located in Alabama, Florida, and Georgia.

In Table 24, the origin of coal delivered to each electric plant is shown at the State and County of origin level. This table format is similar to that of Table 22. For example, data for the Alabama Power Company shows that the Barry plant received 832 thousand short tons of coal in 1992. Of this total, 816 thousand short tons was received from Alabama. The coal was mined in three counties in Alabama: Tuscaloosa county totaled 500 thousand short tons, while Walker county mines shipped 292 thousand short tons, and Winston county mines shipped 24 thousand short tons. The data also

show that 16 thousand short tons of coal was mined in Nicholas County, West Virginia.

It should be noted that it is not uncommon for an electric utility to report a tippie (an apparatus at a central facility used in loading coal for transportation by rail or truck) as the source of the coal and to list the county in which the tippie is located as the county of origin. In some cases the coal delivered to the tippie comes from various surrounding counties and the data have not been adjusted to compensate for this. If an electric utility can not determine the county of origin for the delivered coal, the State and county of origin are designated as "Unknown."

Domestic Coal

In 1992, 774 million short tons of coal, which originated in 24 coal-producing States, were delivered to coal-fired plants located in 43 States (Tables 22 and 23). Wyoming, Kentucky, and West Virginia were ranked highest, respectively, in terms of origin of coal delivered to electric utilities in 1992. These three States accounted for 49 percent (384 million short tons) of all coal delivered to electric utilities (Table 16). Coal receipts from Wyoming totaled 182 million short tons and were delivered to power plants located in 23 States (Table 23). This compares with 184 million short tons delivered to 21 States in 1991. This 2-million-short-ton decrease in receipts of Wyoming coal is the first annual decrease reported on the FERC Form 423. A cool summer and mild winter in the Midwest, an area that receives large amounts of Wyoming coal, contributed to lower demand by electric utilities.²⁰ Receipts of Wyoming coal were highest in Texas, where 34 million short tons were delivered in 1992 (Table 23). Wyoming coal is low-sulfur coal with an average sulfur content of approximately 0.4 percent by weight. Coal received from Kentucky totaled 117 million short tons and was delivered primarily to coal-fired plants located east of the Mississippi River. Coal from Kentucky was delivered to electric plants located in 22 States (26 million short tons were delivered to coal-fired plants located within Kentucky). It should be noted that eastern Kentucky is the source for primarily low-sulfur Appala-

²⁰B.D. Hong and E.R. Slatick, "Coal 1992 Introduction," Mining Engineering (May 1993), pp.493-495.

chian Region coal (average percent weight of approximately 1.0 percent), while western Kentucky coal is primarily high-sulfur Interior Region coal with an average sulfur content of approximately 3.0 percent weight.

West Virginia was the origin for 85 million short tons of coal delivered to electric utilities in 1992. This coal was delivered to electric plants in 22 States (including 23 million short tons to in-State coal-fired plants). The average sulfur content of coal from West Virginia ranges from approximately 2.00 percent in the northern part of the State to 0.8 percent sulfur in the southern part of the State. Receipts of coal from Illinois totaled 55 million short tons, fourth-highest among coal-producing States. Illinois coal is primarily high-sulfur coal averaging 2.6 percent by weight. The majority of this coal is delivered to electric plants located in Illinois, Missouri, Indiana, Florida, and Georgia. Coal produced in Texas totaled 51 million short tons, fifth highest among coal-producing States. However, all of this coal was low-Btu, high-ash lignite delivered to mine-mouth electric plants located within the State of Texas.

Some of the longest hauls during 1992 included shipments of coal from Wyoming to Florida and Georgia, and from Utah to Florida. These shipments were delivered to electric plants for the purpose of conducting test-burns of western coal. While it is not uncommon to transport coal up to 1,000 miles from the mine, a large amount of coal never leaves the State in which it is mined. In 1992, 43 percent of all coal mined for electric utilities was delivered to electric plants located in the same State (Table 23). States in which more than 75 percent of the coal produced for domestic electric plants is delivered in-State include Alabama, Indiana, Iowa, Louisiana, Missouri, North Dakota, Ohio, Oklahoma, Texas, Utah, and Washington.

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

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

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

Western Region Coal is mined in Montana, Wyoming, Colorado, Utah, North Dakota, Arizona, and New Mexico. It is generally delivered to electric plants throughout the western and central United States. Most of the coal in this region is subbituminous coal that is low in sulfur content (less than 0.5 percent) and contains approximately 9,000 Btu per pound. The Powder River Basin (located in northeast Wyoming, southeast Montana, and part of the Western Region) was the origin for approximately 200 million short tons of the coal delivered to electric utilities in 1992. Coal from this basin is delivered by unit train to electric plants as far east as New York and Georgia.

Appalachian Region Coal Deliveries. The amount of coal from the Appalachian Region delivered to electric utilities in 1992 was 280 million short tons (Table 19), an increase of 5 million short tons from 1991. The average sulfur content of coal from this region decreased slightly from the previous year while its average delivered cost decreased by \$1.22 to \$38.86 per short ton. In 1992, the Alabama Power Company, the Georgia Power Company, and the Pennsylvania Electric Company purchased the largest amounts of Appalachian Region coal.

Interior Region Coal Deliveries. In 1992, coal deliveries to electric utilities from the Interior Region totaled 123 million short tons (Table 20), a decrease of 1 million short tons from 1991. The sulfur content of coal from this region averaged 2.77 percent. The average delivered cost per short ton decreased by \$0.31 to \$31.67. As has been the case for the past several years, the Tennessee Valley Authority purchased the largest amount of Interior Region coal (23 million short tons) in 1992.

Western Region Coal Deliveries. Receipts of coal to electric utilities from the Western Region in 1992 were 291 million short tons (Table 21), an increase of 1 million short tons from 1991. The average delivered cost of Western Region coal was \$23.61 per short ton, a decrease of \$0.50 per short ton from 1991. On a national basis, the delivered cost of Western Region coal is usually lower than the delivered cost of Appalachian or Interior Region coal. This is due to the relatively low cost of mining western coal (usually large surface mines with thick seams of easily accessible coal) and, to some extent, the low-transportation costs resulting from the proximity of many of the western electric plants to the coal mines. However, transportation costs for Western Region coal delivered to electric plants in the central and southern United States often comprise well over half of the delivered cost of this coal.

PacifiCorp purchased the largest amount of Western Region coal in 1992 (30 million short tons). Other electric utilities purchasing more than 10 million short tons of Western Region coal in 1992 include the Arizona Public Service Company, Detroit Edison Company, Montana Power Company, and the Northern States Power Company.

Lignite

In 1992, 80 million short tons of lignite were delivered to electric utilities, an increase of nearly 2 million short tons from 1991 lignite receipts (Table 17). The average cost for total U.S. lignite delivered to electric utilities in 1992 was \$13.38 per short ton, an increase of \$0.01 per short ton from 1991.

Most (96 percent) of this lignite originated in Texas and North Dakota. Louisiana accounted for just over 3 million short tons of lignite, while receipts from Montana were under 1 million short tons. Because lignite tends to disintegrate when exposed to weather, most lignite-burning plants are located close to the mine. Lignite, compared with other ranks of coal, has a low-Btu, high-moisture content and transporting it long distances is generally uneconomical.

The Texas Utilities (TU) Electric Company received the largest amount of lignite in 1992, 33 million short tons (Table 17). The lignite was burned at the company's four coal-fired plants (Big Brown, Sandow Unit 4, Martin Lake, and Monticello). The Basin Electric Power Cooperative (North Dakota) received a total of 8 million short tons of lignite at its Antelope Valley and Leland Olds Plants, while the Houston Lighting & Power Company received 7 million short tons of lignite at its Limestone Plant.

Imported Coal

During 1992, the level of coal imported to U.S. electric utilities remained minimal (Table 18). A total of 2 million short tons of coal was imported from Colombia, Venezuela, Canada, and Indonesia. The Jacksonville Electric Authority in Florida received the largest amount of imported coal (1.4 million short tons) from Colombia. The New England Power Company received 197 thousand short tons of coal from Venezuela and Canada. The Public Service Company of New Hampshire received 83 thousand short tons of coal from Colombia and Venezuela. The Central Power & Light Company (Texas) received 80 thousand short tons of coal, from Colombia and Venezuela, for use at the Coletto Creek plant. Tacoma Public Utilities received 15 thousand short tons of coal from Canada; while the Ohio Edison Company received a test shipment of 13 thousand short tons of coal from Indonesia. Ohio Edison's receipt of coal from Indonesia was the company's first receipt of imported coal and only the second delivery of Indonesian coal to a domestic electric utility. This particular shipment of coal was delivered to Ohio Edison's Burger plant from Indonesia for \$32.00 per short ton (166.9 cents per million Btu). Indonesian coal is unusual in that the average sulfur content is approximately 0.10 percent and the ash content is about 1.2 percent. Coal from Colombia was 83 percent (1.5 million short tons) of all imports. The amount of coal imported from Venezuela was 240 thousand short tons. Imports of Canadian coal totaled 48 thousand short tons, while coal from Indonesia totaled 13 thousand short tons.

The Metropolitan Edison Company's Titus Station entered commercial operation in 1951. This three unit coal-fired plant, located in Berks County Pennsylvania, has a coal-fired generator nameplate capacity of 225 megawatts. In 1992, Titus received approximately 400 thousand short tons of Pennsylvania coal.

Table 16. Origin of Coal by State, 1992

State of Origin	Quantity (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)
Alabama	16,435	12,094	1.26	12.42	195.8	47.35
Arizona	12,418	11,001	.52	9.50	110.4	24.28
Colorado	16,505	10,785	.42	8.26	136.8	29.51
Illinois	54,504	11,256	2.63	9.33	157.8	35.52
Indiana	24,926	11,145	2.46	9.07	124.2	27.68
Iowa	67	9,817	4.36	13.57	170.6	33.50
Kansas	307	12,197	3.54	11.70	129.4	31.57
Kentucky	117,417	12,196	1.73	9.81	147.3	35.94
Louisiana	3,212	6,951	.62	12.14	138.3	19.22
Maryland	3,223	12,565	1.69	12.94	137.9	34.66
Missouri	2,622	10,589	4.15	10.22	162.6	34.43
Montana	37,309	9,052	.52	6.62	133.2	24.12
New Mexico	24,261	9,323	.69	19.49	146.4	27.29
North Dakota	25,552	6,513	.87	9.30	75.3	9.81
Ohio	28,916	11,849	3.42	10.98	140.6	33.32
Oklahoma	272	12,484	2.78	9.77	117.3	29.27
Pennsylvania	50,181	12,550	1.85	11.59	145.9	36.62
Tennessee	2,844	12,663	1.39	9.63	132.7	33.63
Texas	51,497	6,224	1.05	17.42	118.8	14.79
Utah	13,839	11,547	.46	10.85	122.6	28.31
Virginia	16,548	12,872	1.10	9.67	184.0	42.21
Washington	4,986	7,921	.70	15.16	139.6	22.12
West Virginia	84,763	12,519	1.60	10.57	157.1	39.33
Wyoming	181,553	8,682	.38	5.48	127.3	22.10
Subtotal	774,157	10,391	1.29	9.71	141.2	29.34
Imported ¹	1,806	12,103	.71	6.90	154.0	37.27
Total	775,963	10,395	1.29	9.71	141.2	29.36

¹ Imported includes coal from Indonesia, Canada, Colombia South America, 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.

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, 1992

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)
Raisin Electric Power Coop	8,241	6,544	0.92	9.38	82.2	10.76
Central Louisiana Elec Co Inc	3,212	6,951	.62	12.14	138.3	19.22
Coop Power Assn	7,438	6,264	.78	10.63	72.7	9.10
Houston Lighting & Power Co	7,156	6,513	1.23	17.77	165.3	21.54
Lower Colorado River Authority	180	6,678	1.47	11.72	160.2	21.40
Minnkota Power Coop Inc	4,184	6,831	.86	7.58	48.9	6.69
Montana-Dakota Utilities Co	2,674	6,915	.99	8.23	80.4	11.13
Otter Tail Power Co	2,130	6,034	.92	9.34	113.3	13.68
San Miguel Electric Coop Inc	2,930	5,350	1.98	25.31	96.6	10.34
Southwestern Electric Power Co	2,817	6,766	1.33	12.08	127.6	17.26
Texas Municipal Power Agency	3,277	4,941	1.40	20.58	158.5	15.66
Texas-New Mexico Power Co	1,668	6,730	1.03	15.72	153.2	20.62
Texas Utilities Electric Co	33,468	6,291	.87	16.92	104.3	13.12
United Power Assn	1,062	6,732	.71	8.69	68.5	9.22
Total	80,438	6,346	.97	14.61	105.4	13.38

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. • This table includes all lignite mined in the continental United States and reported on FERC Form 423.

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, 1988-1992

Electric Utility Country of Origin	Quantity (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)
1992	1,806	12,103	0.71	6.9	154.0	37.27
Central Power & Light Co	80	13,064	.64	7.53	175.2	45.78
Colombia	37	12,892	.62	7.90	174.5	44.99
Venezuela	42	13,214	.66	7.20	175.8	46.46
Jacksonville Electric Auth	1,419	11,897	.71	6.91	150.0	35.70
Colombia	1,419	11,897	.71	6.91	150.0	35.70
New England Power Co	197	13,322	.83	6.68	163.4	43.54
Canada	33	13,569	1.40	3.82	174.9	47.46
Venezuela	164	13,272	.71	7.26	161.1	42.76
Ohio Edison Co	13	9,587	.14	1.20	166.9	32.00
Indonesia	13	9,587	.14	1.20	166.9	32.00
Public Service Co of NH	83	12,616	.60	6.50	161.8	40.83
Colombia	48	12,428	.61	6.31	157.2	39.08
Venezuela	34	12,881	.58	6.76	168.0	43.29
Tacoma City of	15	9,993	.42	12.95	214.7	42.90
Canada	15	9,993	.42	12.95	214.7	42.90
1991	1,967	12,111	.70	6.96	156.9	38.00
Jacksonville Electric Auth	1,625	12,002	.73	7.08	152.4	36.58
Colombia	1,583	11,978	.73	7.04	153.1	36.68
Venezuela	42	12,913	.56	8.90	126.9	32.77
New England Power Co	84	13,390	.77	7.55	167.3	44.81
Venezuela	84	13,390	.77	7.55	167.3	44.81
Public Service Co of NH	207	12,989	.52	5.65	173.6	45.10
Venezuela	207	12,989	.52	5.65	173.6	45.10
Tacoma City of	27	9,994	.46	12.76	209.2	41.82
Canada	27	9,994	.46	12.76	209.2	41.82
Tampa Electric Co	24	9,815	.07	1.20	227.3	44.62
Indonesia	24	9,815	.07	1.20	227.3	44.62
1990	1,366	12,155	.72	6.57	175.2	42.58
Jacksonville Electric Auth	1,048	11,951	.74	6.77	171.5	41.00
Colombia	1,008	11,938	.74	6.58	171.6	40.96
Venezuela	40	12,288	.77	11.50	170.7	41.95
New England Power Co	175	12,529	.66	6.62	186.4	46.72
Colombia	105	12,366	.69	6.11	190.2	47.04
Venezuela	70	12,773	.61	7.39	181.0	46.23
Public Service Co of NH	144	13,188	.68	5.07	186.1	49.08
Canada	34	13,459	1.30	5.90	181.0	48.72
Venezuela	110	13,105	.49	4.82	187.7	49.19
1989	1,215	12,165	.69	6.79	177.6	43.20
Baltimore Gas & Electric Co	247	12,267	.58	5.62	194.6	47.75
Colombia	247	12,267	.58	5.62	194.6	47.75
Jacksonville Electric Auth	841	12,043	.73	7.21	171.8	41.38
Colombia	803	11,978	.74	7.36	173.4	41.54
Venezuela	37	13,461	.48	4.00	141.0	37.96
New England Power Co	63	12,385	.62	6.59	183.2	45.38
Colombia	63	12,385	.62	6.59	183.2	45.38
Public Service Electric & Gas Co	41	13,139	.53	4.46	184.4	46.47
Colombia	12	13,116	.57	4.20	175.8	46.12
Venezuela	29	13,149	.51	4.57	188.2	49.49
Savannah Electric & Power Co	23	13,189	.71	8.47	172.5	45.52
Colombia	23	13,189	.71	8.47	172.5	45.52
1988	970	12,235	.73	6.13	145.0	35.48
Florida Power Corp ¹	231	13,154	.52	4.53	140.3	36.90
Australia	38	12,415	.66	9.31	154.4	38.34
Venezuela	193	13,302	.49	3.57	137.6	36.62
Jacksonville Electric Auth	687	11,838	.70	6.72	144.4	34.19
Colombia	687	11,838	.70	6.72	144.4	34.19
Public Service Co of NH	52	13,403	1.99	5.34	172.7	46.29
Canada	52	13,403	1.99	5.34	172.7	46.29

¹ The average delivered cost for imported coal to the Florida Power Corporation Crystal River Plant includes only transportation costs to the transfer facility in Myrtle Grove, Louisiana, and excludes the transportation costs of approximately \$7.00 to \$10.00 per short ton between the transfer facility and the Crystal River Plant.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1992

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)
Alabama Electric Coop Inc	1,395	12,165	1.29	12.11	148.3	36.07
Alabama Power Co	17,106	12,083	1.22	12.11	193.6	46.78
American Mun Power Ohio Inc	891	11,337	4.55	14.59	96.9	21.96
Appalachian Power Co	9,057	12,487	.76	11.28	171.9	42.93
Atlantic City Electric Co	795	12,971	2.13	9.16	167.7	43.50
Baltimore Gas & Electric Co	4,139	12,902	.96	8.87	154.0	39.74
Cardinal Operating Co	4,277	11,842	2.16	12.88	148.0	35.06
Carolina Power & Light Co	10,403	12,417	.88	10.33	172.6	42.86
Central Hudson Gas & Elec Corp	881	13,018	.59	7.50	182.1	47.40
Central Illinois Light Co	1,069	13,359	.57	5.96	172.5	46.08
Central Operating Co	1,367	12,354	1.20	11.61	165.0	40.77
Cincinnati Gas & Electric Co	8,910	12,046	2.25	11.06	139.2	33.53
Cleveland Electric Illum Co	4,649	12,792	2.60	8.69	151.8	38.83
Columbia City of	37	13,975	.64	5.62	211.2	59.04
Columbus Southern Power Co	3,729	11,983	3.21	8.40	146.1	35.00
Columbus City of	29	12,645	.95	8.49	164.4	41.58
Consumers Power Co	6,223	12,375	.80	10.58	163.7	40.51
Dairyland Power Coop	153	12,206	.68	10.60	144.9	35.36
Dayton Power & Light Co	6,796	11,776	1.21	13.74	142.2	33.48
Delmarva Power & Light Co	1,532	13,064	1.03	8.83	173.4	45.31
Detroit Edison Co	5,913	12,958	1.25	7.85	165.3	42.83
Duke Power Co	10,746	12,491	.96	9.96	172.2	43.03
Duquesne Light Co	2,424	12,681	1.72	10.73	148.0	37.52
East Kentucky Power Coop Inc	2,561	12,311	1.37	10.27	114.5	28.20
Florida Power Corp	5,598	12,592	.83	8.76	178.8	45.03
Gainesville Regional Utilities	523	13,193	.68	7.37	173.1	45.67
Georgia Power Co	15,634	12,341	1.18	10.69	174.3	43.02
Gulf Power Co	72	12,060	2.75	12.94	120.6	29.09
Hamilton City of	26	12,515	.71	8.25	146.6	36.71
Holland City of	153	13,011	.82	6.31	175.0	45.54
Holyoke Water Power Co	363	13,224	1.33	6.31	168.8	44.65
Illinois Power Co	571	12,716	.74	10.01	153.7	39.10
Indiana Michigan Power Co	450	12,154	.69	10.95	182.2	44.29
Indiana-Kentucky Electric Corp	156	13,648	.94	5.52	150.3	41.03
Jacksonville Electric Auth	2,206	12,607	1.08	9.63	171.2	43.18
Jamestown City of	114	12,656	1.79	10.36	132.6	33.56
Kentucky Power Co	2,517	12,042	1.04	11.05	117.3	28.25
Kentucky Utilities Co	4,113	12,315	.98	10.46	122.9	30.27
Lakeland City of	818	12,999	1.04	7.71	165.0	42.90
Lansing City of	889	12,925	.86	7.19	184.2	47.60
Louisville Gas & Electric Co	47	11,196	2.61	9.47	117.0	26.21
Manitowoc Public Utilities	122	13,309	.81	6.41	178.3	47.47
Marquette City of	10	12,345	.65	9.18	170.5	42.09
Metropolitan Edison Co	1,110	13,229	1.62	6.82	143.8	38.04
Michigan South Central Pwr Agcy	40	12,003	3.35	8.29	223.3	53.60
Mississippi Power Co	856	12,939	.78	7.27	168.5	43.61
Monongahela Power Co	11,586	12,797	2.80	9.64	127.9	32.72
Montaup Electric Co	413	12,917	1.03	7.93	176.4	45.58
New England Power Co	3,221	13,057	1.19	8.61	168.1	43.89
New York State Elec & Gas Corp	4,359	12,746	1.77	9.28	139.5	35.56
Niagara Mohawk Power Corp	3,540	13,180	1.87	6.98	142.6	37.58
Northern Indiana Pub Serv Co	435	13,089	.69	7.74	160.5	42.03
Ohio Edison Co	7,688	12,262	2.08	10.73	126.1	30.94
Ohio Power Co	13,195	11,664	3.34	12.70	158.9	37.06
Ohio Valley Electric Corp	3,464	12,041	3.73	10.82	122.0	29.39
Orange & Rockland Utils Inc	657	13,014	.55	7.28	205.4	53.45
Orlando Utilities Comm	1,024	12,755	.73	8.34	190.1	48.51
Orrville City of	180	11,872	3.50	8.63	100.2	23.79
Painesville City of	70	12,391	2.57	7.73	135.1	33.48
Pennsylvania Electric Co	16,890	12,223	1.87	14.27	131.0	32.02
Pennsylvania Power & Light Co	8,478	12,385	1.81	13.46	175.5	43.48
Pennsylvania Power Co	5,642	12,153	3.55	11.48	163.2	39.67
Philadelphia Electric Co	1,090	13,187	1.88	7.34	155.9	41.11
Potomac Edison Co	154	12,539	.92	12.31	134.0	33.61
Potomac Electric Power Co	5,775	12,673	1.59	11.22	166.4	42.16
PSI Energy Inc	1,587	12,465	.77	10.35	131.6	32.82
Public Service Co of NH	1,144	13,307	1.68	6.52	169.0	44.97
Public Service Electric & Gas Co	1,410	13,744	.82	5.53	176.0	48.38
Richmond City of	78	11,753	1.65	9.47	126.3	29.69

See footnotes at end of table.

Table 19. Receipts of Appalachian Region Coal by Electric Utility, 1992 (Continued)

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)
Rochester Gas & Electric Corp	841	13,298	2.10	6.71	145.6	38.73
Rochester Public Utilities	11	13,351	2.04	6.92	142.3	38.00
Savannah Electric & Power Co	156	12,353	1.17	10.82	150.4	37.16
Seminole Electric Coop Inc	503	12,756	1.17	9.03	154.2	39.35
South Carolina Electric&Gas Co	4,222	12,883	1.10	8.57	157.7	40.63
South Carolina Pub Serv Auth	4,545	12,804	1.20	8.92	146.7	37.58
South Mississippi El Pwr Assn	757	12,370	.99	9.58	205.3	50.80
Tampa Electric Co	2,559	12,861	1.43	6.67	224.6	57.78
Tennessee Valley Authority	12,162	12,599	1.08	9.37	127.8	32.20
Toledo Edison Co	1,252	12,923	1.12	8.02	201.5	52.08
United Illuminating Co	793	13,167	.55	6.25	194.8	51.30
Virginia Electric & Power Co	10,516	12,621	1.42	11.13	145.2	36.64
West Penn Power Co	5,448	12,769	2.22	10.00	144.5	36.89
Wisconsin Electric Power Co	2,073	13,184	1.36	6.58	154.4	40.71
Wisconsin Power & Light Co	62	14,122	.68	4.20	154.5	43.65
Wisconsin Public Service Corp	204	13,245	.67	7.07	172.7	45.74
Wyandotte Municipal Serv Comm	104	13,289	.88	5.65	187.2	49.75
Total	279,758	12,451	1.63	10.56	156.0	38.86

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.

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

The New England Power Company's Salem Harbor Station has 3 coal-fired units and 1 oil-fired unit. In 1992, Salem Harbor received nearly 900 thousand short tons of coal and 2.4 million barrels of oil.

Table 20. Receipts of Interior Region Coal by Electric Utility, 1992

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)
Associated Electric Coop Inc	5,238	10,730	3.60	9.96	138.9	29.82
Big Rivers Electric Corp	4,534	11,270	3.09	11.72	121.3	27.34
Cedar Falls City of	10	11,188	2.72	9.11	140.9	31.54
Central Electric Pwr Coop-MO	83	10,971	3.14	9.90	118.5	26.00
Central Illinois Light Co	1,198	10,704	3.26	8.16	163.2	34.94
Central Illinois Pub Serv Co	3,973	11,052	2.76	9.22	161.9	35.79
Central Iowa Power Coop	148	11,206	3.09	9.75	113.4	25.42
Cincinnati Gas & Electric Co	412	11,575	2.87	8.46	101.4	23.48
Commonwealth Edison Co	1,716	10,516	3.40	8.68	166.9	35.09
Dairyland Power Coop	731	11,979	1.35	7.12	135.1	32.37
Dayton Power & Light Co	41	11,606	3.45	8.48	92.1	21.38
Electric Energy Inc	2,169	11,885	2.21	8.15	108.4	25.78
Empire District Electric Co	147	12,390	3.36	11.28	121.2	30.04
Georgia Power Co	7,050	11,367	2.80	9.42	194.9	44.30
Grand Haven City of	205	11,019	2.46	10.07	150.3	33.12
Grand River Dam Authority	122	13,104	4.15	8.50	101.4	26.57
Gulf Power Co	2,922	11,961	2.74	8.40	188.3	45.04
Hoosier Energy R E C Inc	3,062	11,083	3.32	10.91	125.5	27.82
Illinois Power Co	5,203	10,885	2.82	10.14	138.6	30.17
Independence City of	44	12,114	3.23	10.39	127.9	30.99
Indiana Michigan Power Co	873	11,328	2.49	8.33	138.5	31.39
Indiana-Kentucky Electric Corp	3,249	11,348	3.28	10.79	105.1	23.86
Indianapolis Power & Light Co	6,082	11,191	2.31	8.26	105.8	23.69
Interstate Power Co	625	11,345	2.14	8.15	149.8	33.98
Iowa Electric Light & Power Co	245	11,117	2.70	9.44	144.9	32.21
Iowa Southern Utilities Co	179	11,439	3.09	8.94	123.3	28.20
Iowa-Illinois Gas&Electric Co	237	11,686	2.12	8.28	109.6	25.62
Kansas City City of	192	11,720	2.43	10.05	231.3	54.21
Kansas City Power & Light Co	623	11,278	2.68	9.06	128.7	29.03
Kentucky Utilities Co	1,819	11,341	2.65	8.71	100.0	22.67
Louisville Gas & Electric Co	5,433	11,500	2.92	9.45	108.6	24.99
Madison Gas & Electric Co	18	11,848	2.08	8.18	165.7	39.26
Manitowoc Public Utilities	16	11,566	1.16	8.93	140.7	32.55
Mississippi Power Co	1,442	12,684	2.73	8.65	132.1	33.52
Missouri Public Service Comm	929	11,131	2.75	9.45	134.1	29.85
Muscatine City of	536	11,078	3.16	8.25	223.9	49.60
Northern Indiana Pub Serv Co	3,700	11,147	3.02	10.04	130.8	29.16
Oklahoma Gas & Electric Co	84	12,463	2.57	10.81	116.8	29.11
Owensboro City of	1,132	11,282	2.88	9.22	107.9	24.34
PSI Energy Inc	12,247	10,896	2.18	9.84	146.1	31.84
Public Service Co of Oklahoma	60	11,227	.46	10.94	149.0	33.46
Richmond City of	214	11,307	2.16	8.88	157.3	35.57
Rochester Public Utilities	63	11,830	1.83	8.80	161.8	38.27
Seminole Electric Coop Inc	3,036	12,030	2.84	8.16	201.4	48.45
Sikeston City of	587	11,735	2.49	10.03	150.7	35.36
Southern Illinois Power Coop	490	10,549	2.79	16.54	91.1	19.21
Southern Indiana Gas & Elec Co	2,694	11,300	2.81	8.53	140.6	31.78
Springfield City of	696	11,606	2.08	7.98	132.3	30.71
Springfield City of	933	10,382	3.04	9.36	113.1	23.49
St Joseph Light & Power Co	135	11,976	3.72	12.10	139.2	33.35
Tampa Electric Co	3,472	11,880	2.84	8.70	162.5	38.61
Tennessee Valley Authority	23,485	11,591	2.97	10.88	120.3	27.88
Union Electric Co	7,009	11,472	2.23	9.00	168.0	38.55
Western Farmers Elec Coop Inc	6	12,676	.62	9.47	177.0	44.87
Wisconsin Electric Power Co	304	11,935	1.77	7.60	155.2	37.05
Wisconsin Power & Light Co	1,080	11,247	2.12	8.74	185.8	41.79
Wisconsin Public Service Corp	333	11,055	2.00	9.79	217.7	48.14
Total	123,267	11,336	2.77	9.70	139.7	31.67

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.

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, 1992

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)
Ames City of	156	8,762	0.19	4.59	132.8	23.28
Arizona Electric Pwr Coop Inc	205	11,250	.42	14.37	152.8	34.37
Arizona Public Service Co	12,665	9,105	.69	19.71	118.8	21.63
Arkansas Power & Light Co	9,967	8,787	.32	5.20	166.9	29.33
Associated Electric Coop Inc	116	8,844	.21	4.57	121.8	21.54
Basin Electric Power Coop	6,914	8,207	.35	5.09	52.7	8.64
Cajun Electric Power Coop Inc	5,344	8,368	.46	5.30	147.5	24.69
Central Illinois Pub Serv Co	429	12,033	.47	8.43	141.8	34.13
Central Louisiana Elec Co Inc	1,870	8,727	.45	5.79	181.7	31.71
Central Power & Light Co	1,781	10,885	.39	6.32	205.0	44.63
Century Power Corp	2,493	9,117	.63	17.93	170.9	31.16
Colorado Springs City of	1,215	10,779	.37	6.06	152.8	32.94
Commonwealth Edison Co	6,837	9,473	.39	5.64	283.9	53.78
Consumers Power Co	703	8,952	.32	4.92	128.4	22.98
Dairyland Power Coop	1,162	8,583	.31	4.91	141.8	24.35
Deseret Generation & Tran Coop	1,517	10,531	.48	10.54	201.4	42.42
Detroit Edison Co	12,088	9,339	.33	4.25	139.9	26.13
Electric Energy Inc	939	8,673	.38	5.03	91.2	15.82
Empire District Electric Co	971	8,803	.20	4.57	94.6	16.65
Fremont City of	180	9,140	.38	5.16	98.3	17.96
Georgia Power Co	12	8,777	.38	4.59	127.5	22.38
Grand Island City of	275	8,391	.31	5.62	71.0	11.92
Grand River Dam Authority	3,471	8,426	.33	4.89	90.4	15.24
Gulf States Utilities Co	2,249	8,706	.45	5.86	160.9	28.02
Hastings City of	161	8,727	.28	4.66	86.3	15.07
Houston Lighting & Power Co	9,540	8,490	.38	5.07	224.4	38.10
Illinois Power Co	373	11,035	.39	7.42	121.1	26.74
Indiana Michigan Power Co	9,275	8,611	.32	4.88	113.0	19.47
Indiana-Kentucky Electric Corp	360	8,859	.27	4.89	130.5	23.12
Interstate Power Co	556	8,340	.34	4.62	237.4	39.60
Iowa Electric Light & Power Co	364	8,517	.38	5.10	105.2	17.91
Iowa Southern Utilities Co	2,135	8,368	.46	5.77	107.4	17.98
Iowa-Illinois Gas&Electric Co	1,844	8,392	.31	5.29	111.1	18.66
Kansas City City of	1,261	8,803	.35	5.82	106.2	18.69
Kansas City Power & Light Co	7,738	8,679	.32	4.91	87.6	15.21
Kansas Power & Light Co	7,349	8,810	.34	5.76	130.0	22.90
Los Angeles City of	4,278	11,854	.45	8.44	149.3	35.39
Lower Colorado River Authority	5,047	8,667	.37	5.24	134.5	23.32
Marquette City of	123	8,999	.40	6.35	179.0	32.21
Midwest Power	7,978	8,566	.37	5.34	86.4	14.80
Minnesota Power & Light Co	3,264	8,968	.53	6.84	118.7	21.30
Mississippi Power Co	153	9,095	.32	4.51	143.6	26.11
Missouri Public Service Comm	55	10,529	.58	6.61	127.1	26.75
Montana Power Co	10,683	8,609	.66	8.92	70.3	12.11
Muscatine City of	22	8,491	.59	5.51	100.0	16.98
Nebraska Public Power District	3,814	8,778	.37	5.04	83.1	14.58
Nevada Power Co	1,372	12,058	.50	9.11	185.1	44.64
Northern Indiana Pub Serv Co	2,924	10,511	.48	6.67	158.1	33.23
Northern States Power Co	11,687	8,775	.42	6.51	118.1	20.72
Ohio Edison Co	61	8,449	.35	5.48	120.1	20.29
Oklahoma Gas & Electric Co	8,707	8,738	.37	5.04	114.8	20.06
Omaha Public Power District	3,328	8,268	.37	4.90	62.7	10.37
Otter Tail Power Co	123	9,337	.32	3.82	127.6	23.83
PacifiCorp	30,124	9,430	.57	10.59	93.8	17.69
Plains Elec Gen&Trans Coop Inc	889	9,079	.65	18.58	137.5	24.96
Platte River Power Authority	1,009	8,825	.32	5.54	74.6	13.17
Portland General Electric Co	1,932	9,642	.40	4.42	110.1	21.23
Public Service Co of Colorado	8,640	9,813	.39	7.09	105.2	20.64
Public Service Co of NM	5,105	9,360	.87	23.78	173.4	32.46
Public Service Co of Oklahoma	2,970	8,712	.45	5.87	161.4	28.13
Rochester Public Utilities	6	9,839	1.26	5.19	121.7	23.94
Salt River Proj Ag I & P Dist	9,687	10,781	.50	10.00	125.2	27.01
San Antonio City of	3,543	8,489	.33	5.43	127.9	21.72
Sierra Pacific Power Co	1,545	10,518	.43	8.28	198.6	41.77
Southern California Edison Co	4,977	10,940	.51	10.25	118.8	25.99
Southwestern Electric Power Co	6,643	8,341	.35	4.64	186.0	31.02
Southwestern Public Service Co	8,268	8,760	.33	4.89	173.3	30.36
Springfield City of	52	11,788	.39	7.98	141.8	33.44
Sunflower Electric Power Corp	1,257	8,492	.38	5.11	105.3	17.88

See footnotes at end of table.

Table 21. Receipts of Western Region Coal by Electric Utility, 1992—Continued

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)
Tacoma Public Utilities	8	10,136	0.45	7.08	166.6	33.78
Tampa Electric Co	224	12,651	.43	9.46	148.6	37.60
Tennessee Valley Authority	71	8,601	.50	7.99	132.1	22.73
Tri-State G & T Assn Inc.	4,733	10,128	.39	7.42	110.8	22.45
Tucson Electric Power Co	199	10,060	.45	12.61	234.1	47.11
Union Electric Co	3,618	9,174	.30	5.37	103.1	18.92
United Power Assn	5	9,276	.52	4.30	67.8	12.58
West Texas Utilities Co	2,878	8,376	.35	4.84	152.7	25.59
Western Farmers Elec Coop Inc	1,420	8,389	.44	5.18	178.2	29.89
Wisconsin Electric Power Co	5,900	8,936	.42	6.04	112.0	20.02
Wisconsin Power & Light Co	5,191	8,774	.42	5.97	126.2	22.15
Wisconsin Public Service Corp	1,663	8,800	.38	4.99	131.2	23.08
Total	290,694	9,126	.44	7.55	129.3	23.61

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.

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, 1992

Destination Origin	Quantity (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)
Alabama	24,886	12,061	1.43	11.80	172.7	41.67
Alabama	16,265	12,093	1.25	12.42	196.5	47.52
Illinois	956	11,578	1.96	9.30	121.8	28.21
Indiana	19	11,296	3.45	10.98	101.5	22.92
Kentucky	4,078	11,992	2.48	10.52	118.0	28.30
Tennessee	817	12,441	.80	12.21	130.1	32.37
West Virginia	2,752	12,033	.96	10.77	143.1	34.45
Arizona	16,315	10,303	.51	12.19	137.4	28.31
Arizona	7,441	11,043	.52	9.00	104.8	23.14
Colorado	119	12,158	.41	15.76	167.5	40.74
New Mexico	8,754	9,650	.50	14.85	168.6	32.53
Arkansas	11,630	8,724	.32	5.12	165.3	28.84
Wyoming	11,630	8,724	.32	5.12	165.3	28.84
Colorado	15,597	9,920	.38	7.01	109.2	21.67
Colorado	10,661	10,584	.41	8.02	112.0	23.71
Wyoming	4,936	8,486	.33	4.81	101.7	17.26
Connecticut	793	13,167	.55	6.25	194.8	51.30
Kentucky	772	13,162	.55	6.25	195.5	51.47
West Virginia	21	13,351	.67	6.20	168.9	45.10
Delaware	1,532	13,064	1.03	8.83	173.4	45.31
Pennsylvania	137	13,104	1.40	9.31	177.9	46.62
Virginia	90	13,101	.82	8.68	201.3	52.74
West Virginia	1,304	13,058	1.00	8.79	171.0	44.66
Florida	24,377	12,370	1.68	8.33	182.0	45.03
Alabama	72	12,060	2.75	12.94	120.6	29.09
Colorado	181	13,092	.45	10.01	146.5	38.37
Illinois	5,504	11,711	2.77	8.33	194.3	45.50
Kentucky	14,717	12,636	1.48	8.19	177.0	44.73
Tennessee	269	12,861	1.19	6.20	217.6	55.98
Utah	32	11,596	.39	8.20	163.8	37.99
Virginia	882	12,389	.72	9.77	223.4	55.36
West Virginia	1,290	12,526	1.36	10.44	197.5	49.48
Wyoming	12	8,887	.20	4.70	142.3	25.29
Imported	1,419	11,897	.71	6.91	150.0	35.70
Georgia	22,851	12,039	1.68	10.29	180.1	43.36
Alabama	98	12,142	2.06	12.17	135.6	32.92
Illinois	5,137	11,278	2.78	9.36	207.9	46.90
Indiana	555	11,294	2.51	8.13	138.4	31.26
Kentucky	11,981	12,234	1.45	10.38	163.5	40.01
Virginia	2,615	12,871	1.34	9.90	180.5	46.47
West Virginia	2,453	11,977	.68	12.64	218.1	52.25
Wyoming	12	8,777	.38	4.59	127.5	22.38
Illinois	25,449	10,666	1.91	8.19	173.7	37.06
Colorado	470	12,020	.47	8.47	140.7	33.84
Illinois	14,818	10,970	2.89	9.48	142.4	31.24
Indiana	826	11,000	1.80	9.32	137.6	30.28
Kentucky	1,187	13,157	.64	6.53	169.4	44.59
Montana	3,036	9,580	.35	4.02	282.8	54.18
Utah	239	11,742	.43	8.17	121.3	28.49
West Virginia	492	12,893	.73	9.68	151.8	39.14
Wyoming	4,382	9,202	.41	6.78	242.8	44.69
Indiana	47,838	10,628	1.88	8.43	131.2	27.89
Colorado	773	11,305	.42	8.28	154.1	34.84
Illinois	9,565	10,889	2.65	10.36	155.8	33.93
Indiana	19,005	11,130	2.45	9.10	120.8	26.90
Kentucky	4,455	11,606	2.65	10.27	119.5	27.73
Montana	452	9,595	.36	4.05	278.5	53.44
Ohio	19	11,458	2.82	9.81	128.6	29.46
Virginia	132	13,880	.73	5.38	162.2	45.04
West Virginia	1,652	12,646	.73	9.73	139.9	35.37
Wyoming	11,786	8,914	.35	5.10	123.3	21.98

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 22. Destination and Origin of Coal by State, 1992—Continued

Destination Origin	Quantity (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)
Iowa	15,037	8,867	0.67	5.78	110.4	19.58
Illinois	1,417	11,329	2.58	8.28	169.3	38.36
Indiana	470	11,290	2.53	8.57	128.6	29.03
Iowa	67	9,817	4.36	13.57	170.8	33.50
Kentucky	27	12,367	3.36	9.61	105.5	28.09
Wyoming	13,057	8,500	.37	5.36	100.7	17.12
Kansas	13,634	8,900	.49	5.74	117.9	20.99
Colorado	328	11,193	.45	9.63	112.2	25.12
Illinois	767	11,355	2.56	9.13	155.8	35.38
Kansas	90	12,529	3.14	10.53	120.4	30.17
Missouri	48	11,812	3.60	11.90	118.3	27.95
Wyoming	12,402	8,650	.33	5.36	115.0	19.90
Kentucky	32,292	11,620	2.44	11.80	116.2	27.01
Illinois	7	11,650	2.50	10.20	110.3	25.70
Indiana	2,237	11,217	2.84	9.00	99.4	22.31
Kentucky	26,187	11,559	2.59	11.87	115.8	26.77
Ohio	249	11,471	2.16	14.22	184.5	42.32
Pennsylvania	42	13,005	2.42	7.79	99.8	25.96
Tennessee	500	12,467	2.51	11.14	112.8	28.14
West Virginia	3,069	12,290	.87	11.14	126.3	31.06
Louisiana	12,675	8,122	.50	7.20	153.5	24.93
Louisiana	3,212	8,951	.62	12.14	138.3	19.22
Wyoming	9,463	8,519	.46	5.53	157.7	26.87
Maryland	9,284	12,753	1.36	10.47	159.5	40.68
Kentucky	215	12,922	.73	7.38	154.9	40.04
Maryland	1,203	12,728	1.59	11.63	166.4	42.37
Pennsylvania	2,893	12,586	1.87	12.23	169.6	42.75
Virginia	78	14,076	.80	5.05	169.9	47.84
West Virginia	4,896	12,829	1.04	9.37	151.8	38.95
Massachusetts	4,194	13,070	1.17	8.26	168.7	44.11
Kentucky	10	12,934	.63	6.47	170.9	44.21
Pennsylvania	395	13,230	1.34	6.31	167.6	44.34
Virginia	611	12,954	1.06	7.84	175.3	45.42
West Virginia	2,981	13,057	1.19	8.71	167.9	43.85
Imported	197	13,322	.83	6.68	163.4	43.54
Michigan	27,875	10,995	.59	6.76	155.6	34.23
Indiana	205	11,019	2.46	10.07	150.3	33.12
Kentucky	6,392	12,770	.93	8.28	171.4	43.78
Montana	10,544	9,446	.37	4.31	151.0	28.53
Ohio	40	12,003	3.35	8.29	223.3	53.60
Pennsylvania	1,753	13,159	1.70	6.74	154.3	40.61
Virginia	21	13,114	1.33	8.40	149.0	39.08
West Virginia	5,665	12,470	.84	10.51	162.0	40.40
Wyoming	3,254	8,766	.29	4.96	111.3	19.52
Minnesota	15,154	8,838	.45	6.57	118.6	20.96
Illinois	63	11,836	1.84	8.79	162.0	38.34
Indiana	*	9,940	1.10	11.70	90.5	17.99
Montana	7,929	8,847	.61	8.14	121.5	21.50
Pennsylvania	11	13,351	2.04	6.92	142.3	38.00
Wyoming	7,151	8,794	.26	4.81	114.7	20.18
Mississippi	3,208	12,507	1.69	8.31	159.7	39.94
Illinois	1,239	12,757	2.74	8.75	132.7	33.86
Kentucky	1,816	12,624	1.08	8.32	179.2	45.24
Montana	82	9,383	.30	4.15	136.0	25.51
Wyoming	71	8,760	.34	4.92	153.0	26.81
Missouri	24,502	10,321	1.80	7.71	133.6	27.57
Colorado	496	11,736	.48	9.50	160.7	37.71
Illinois	11,376	11,319	2.41	9.25	152.7	34.58
Indiana	63	11,279	3.03	8.50	109.9	24.79

See footnotes 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, 1992—Continued

Destination Origin	Quantity (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)
Missouri						
Kansas	217	12,060	3.71	12.18	133.3	32.15
Kentucky	585	11,796	3.38	7.99	125.6	29.63
Missouri	2,574	10,567	4.16	10.19	163.5	34.55
Utah	79	11,725	.41	8.09	140.8	33.03
Wyoming	9,112	8,773	.29	4.85	91.3	16.02
Montana	10,860	8,576	.66	8.92	70.8	12.14
Montana	10,860	8,576	.66	8.92	70.8	12.14
Nebraska	7,759	8,553	.37	5.00	74.6	12.77
Colorado	.	11,308	.40	8.60	158.8	35.91
Wyoming	7,759	8,553	.37	5.00	74.6	12.77
Nevada	7,894	11,051	.49	9.67	146.2	32.32
Arizona	4,977	10,940	.51	10.25	118.8	25.99
Colorado	168	11,753	.50	9.28	215.3	50.60
Utah	1,948	11,821	.45	8.83	186.9	44.19
Wyoming	800	9,724	.49	8.17	200.2	38.93
New Hampshire	1,226	13,260	1.61	6.52	168.5	44.69
Pennsylvania	680	13,264	1.57	6.29	171.5	45.50
West Virginia	464	13,369	1.85	6.85	165.3	44.19
Imported	83	12,616	.60	6.50	161.8	40.83
New Jersey	2,205	13,465	1.29	6.84	173.1	46.62
Kentucky	109	13,197	.83	6.64	183.3	48.38
Pennsylvania	15	13,394	2.62	7.10	150.0	40.19
Virginia	806	14,185	.83	4.40	175.9	49.90
West Virginia	1,195	13,023	1.66	8.51	169.7	44.21
New Mexico	14,929	9,013	.81	22.49	132.2	23.83
New Mexico	14,929	9,013	.81	22.49	132.2	23.83
New York	10,393	12,978	1.65	8.02	148.8	38.62
Kentucky	377	13,035	.56	6.96	206.7	53.90
Maryland	18	11,137	1.59	16.66	143.2	31.89
Pennsylvania	6,895	12,887	1.72	8.47	142.2	36.64
West Virginia	3,105	13,182	1.63	7.10	156.2	41.19
North Carolina	20,660	12,456	.92	10.17	172.6	43.00
Kentucky	9,659	12,529	.94	8.93	175.7	44.04
Tennessee	35	12,400	1.30	9.60	150.6	37.36
Virginia	4,637	12,630	1.07	10.83	172.4	43.55
West Virginia	6,329	12,218	.77	11.59	167.9	41.04
North Dakota	23,427	6,558	.87	9.29	72.1	9.45
North Dakota	23,422	6,557	.87	9.29	72.1	9.45
Wyoming	5	9,276	.52	4.30	67.8	12.58
Ohio	50,596	11,983	2.57	11.24	143.5	34.40
Indiana	135	11,550	3.50	8.15	90.4	20.88
Kentucky	7,961	11,835	1.14	13.14	146.4	34.65
Ohio	26,877	11,813	3.40	11.01	142.1	33.58
Pennsylvania	3,236	12,732	2.03	9.39	128.9	32.83
West Virginia	12,312	12,276	1.81	11.07	149.3	36.66
Wyoming	61	8,449	.35	5.48	120.1	20.29
Imported	13	9,587	.14	1.20	166.9	32.00
Oklahoma	16,840	8,700	.42	5.24	123.4	21.47
Oklahoma	272	12,484	2.78	9.77	117.3	29.27
Wyoming	16,568	8,638	.38	5.17	123.5	21.34
Oregon	1,932	9,642	.40	4.42	110.1	21.23
Montana	1,833	9,547	.40	4.22	110.3	21.06
Utah	99	11,396	.37	7.96	106.9	24.37

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 22. Destination and Origin of Coal by State, 1992—Continued

Destination Origin	Quantity (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)
Pennsylvania	41,082	12,399	2.12	12.56	148.4	36.81
Ohio	485	12,189	3.43	11.36	160.0	39.00
Pennsylvania	31,312	12,358	1.86	13.18	145.6	35.99
West Virginia	9,284	12,549	2.92	10.52	157.2	39.45
South Carolina	9,255	12,817	1.14	8.77	152.7	39.13
Kentucky	8,353	12,801	1.12	8.72	152.3	38.98
Virginia	827	13,028	1.35	9.21	154.1	40.17
West Virginia	76	12,248	.99	9.28	181.7	44.52
South Dakota	2,130	6,034	.92	9.34	113.3	13.68
North Dakota	2,130	6,034	.92	9.34	113.3	13.68
Tennessee	20,372	12,182	2.02	8.31	127.3	31.01
Illinois	2,831	11,813	2.05	8.92	123.4	29.15
Kentucky	14,824	12,145	2.13	8.20	128.2	31.13
Pennsylvania	3	13,200	2.40	7.40	120.0	31.68
Tennessee	1,223	12,867	1.37	8.04	123.1	31.69
Virginia	1,392	12,909	1.50	8.32	129.1	33.34
West Virginia	28	12,000	1.40	12.00	126.5	30.36
Wyoming	71	8,601	.50	7.99	132.1	22.73
Texas	87,613	7,234	.76	12.33	149.1	21.58
Colorado	1,781	10,885	.39	6.32	205.0	44.63
Texas	51,497	6,224	1.05	17.42	118.8	14.79
Wyoming	34,256	8,540	.35	5.01	178.5	30.53
Imported	80	13,064	.64	7.53	175.2	45.78
Utah	12,840	11,384	.47	11.24	120.9	27.54
Colorado	1,517	10,531	.48	10.54	201.4	42.42
Utah	11,323	11,499	.47	11.33	111.1	25.54
Virginia	8,915	12,830	1.03	9.48	147.3	37.81
Kentucky	2,663	12,730	1.07	8.62	150.4	38.29
Virginia	4,395	12,857	.96	10.33	142.1	36.55
West Virginia	1,857	12,911	1.13	8.68	155.3	40.09
Washington	5,836	8,189	.66	13.69	137.3	22.48
Montana	714	9,513	.41	4.38	123.5	23.49
Utah	118	11,274	.34	8.17	128.2	28.91
Washington	4,986	7,921	.70	15.16	139.6	22.12
Wyoming	2	8,846	.22	4.67	181.0	32.02
Imported	15	9,993	.42	12.95	214.7	42.90
West Virginia	28,307	12,524	2.05	11.32	147.2	36.88
Kentucky	524	12,508	.86	8.96	182.5	45.64
Maryland	2,003	12,480	1.74	13.70	120.4	30.06
Ohio	1,246	12,587	4.03	9.56	92.4	23.27
Pennsylvania	1,275	12,544	2.61	11.44	111.6	27.99
West Virginia	23,259	12,524	1.97	11.25	153.6	38.49
Wisconsin	17,589	9,725	.71	6.18	133.3	25.92
Colorado	10	12,731	.46	11.40	141.2	35.95
Illinois	823	11,834	1.48	6.89	144.6	34.23
Indiana	1,411	11,197	2.09	9.00	193.5	43.32
Kentucky	446	12,591	1.15	8.37	146.5	36.88
Montana	1,858	8,794	.67	8.08	154.9	27.24
New Mexico	578	12,394	.55	12.49	150.7	37.36
Pennsylvania	1,534	13,254	1.59	6.19	157.1	41.65
Virginia	62	14,122	.68	4.20	154.5	43.65
West Virginia	282	12,981	.67	8.01	165.8	43.05
Wyoming	10,585	8,635	.34	4.94	108.8	18.78
Wyoming	24,181	8,840	.52	7.54	75.9	13.42
Wyoming	24,181	8,840	.52	7.54	75.9	13.42
Total	775,963	10,395	1.29	9.71	141.2	29.36

* = 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.

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, 1992

Origin Destination	Quantity (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)
Alabama	16,435	12,094	1.26	12.42	195.8	47.35
Alabama	16,265	12,093	1.25	12.42	196.5	47.52
Florida	72	12,060	2.75	12.94	120.6	29.09
Georgia	98	12,142	2.06	12.17	135.6	32.92
Arizona	12,418	11,001	.52	9.50	110.4	24.28
Arizona	7,441	11,043	.52	9.00	104.8	23.14
Nevada	4,977	10,940	.51	10.25	118.8	25.99
Colorado	16,505	10,785	.42	8.26	136.8	29.51
Arizona	119	12,158	.41	15.76	167.5	40.74
Colorado	10,661	10,584	.41	8.02	112.0	23.71
Florida	181	13,092	.45	10.01	146.5	38.37
Illinois	470	12,020	.47	8.47	140.7	33.84
Indiana	773	11,305	.42	8.28	154.1	34.84
Kansas	328	11,193	.45	9.63	112.2	25.12
Missouri	496	11,736	.48	9.50	160.7	37.71
Nebraska	*	11,308	.40	8.60	158.8	35.91
Nevada	168	11,753	.50	9.28	215.3	50.60
Texas	1,781	10,885	.39	6.32	205.0	44.63
Utah	1,517	10,531	.48	10.54	201.4	42.42
Wisconsin	10	12,731	.46	11.40	141.2	35.95
Illinois	54,504	11,256	2.63	9.33	157.8	35.52
Alabama	956	11,578	1.96	9.30	121.8	28.21
Florida	5,504	11,711	2.77	8.33	194.3	45.50
Georgia	5,137	11,278	2.78	9.36	207.9	46.90
Illinois	14,818	10,970	2.89	9.48	142.4	31.24
Indiana	9,565	10,889	2.65	10.36	155.8	33.93
Iowa	1,417	11,329	2.58	8.28	169.3	38.36
Kansas	767	11,355	2.56	9.13	155.8	35.38
Kentucky	7	11,650	2.50	10.20	110.3	25.70
Minnesota	63	11,836	1.84	8.79	162.0	38.34
Mississippi	1,239	12,757	2.74	8.75	132.7	33.86
Missouri	11,376	11,319	2.41	9.25	152.7	34.58
Tennessee	2,831	11,813	2.05	8.92	123.4	29.15
Wisconsin	823	11,834	1.48	6.89	144.6	34.23
Indiana	24,926	11,145	2.46	9.07	124.2	27.68
Alabama	19	11,296	3.45	10.98	101.5	22.92
Georgia	555	11,294	2.51	8.13	138.4	31.26
Illinois	826	11,000	1.80	9.32	137.6	30.28
Indiana	19,005	11,130	2.45	9.10	120.8	26.90
Iowa	470	11,290	2.53	8.57	128.6	29.03
Kentucky	2,237	11,217	2.84	9.00	99.4	22.31
Michigan	205	11,019	2.46	10.07	150.3	33.12
Minnesota	*	9,940	1.10	11.70	90.5	17.99
Missouri	63	11,279	3.03	8.50	109.9	24.79
Ohio	135	11,550	3.50	8.15	90.4	20.88
Wisconsin	1,411	11,197	2.09	9.00	193.5	43.32
Iowa	67	9,817	4.36	13.57	170.6	33.50
Iowa	67	9,817	4.36	13.57	170.6	33.50
Kansas	307	12,197	3.54	11.70	129.4	31.57
Kansas	90	12,529	3.14	10.53	120.4	30.17
Missouri	217	12,060	3.71	12.18	133.3	32.15
Kentucky	117,417	12,196	1.73	9.81	147.3	35.94
Alabama	4,078	11,992	2.48	10.52	118.0	28.30
Connecticut	772	13,162	.55	6.25	195.5	51.47
Florida	14,717	12,636	1.48	8.19	177.0	44.73
Georgia	11,981	12,234	1.45	10.38	163.5	40.01
Illinois	1,187	13,157	.64	6.53	169.4	44.59
Indiana	4,455	11,606	2.65	10.27	119.5	27.73
Iowa	27	12,367	3.36	9.61	105.5	26.09
Kentucky	26,187	11,559	2.59	11.87	115.8	26.77
Maryland	215	12,922	.73	7.38	154.9	40.04
Massachusetts	10	12,934	.63	6.47	170.9	44.21

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 23. Origin and Destination of Coal by State, 1992—Continued

Origin Destination	Quantity (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)
Kentucky						
Michigan	6,392	12,770	0.93	8.28	171.4	43.78
Mississippi	1,816	12,624	1.08	8.32	179.2	45.24
Missouri	585	11,796	3.38	7.99	125.6	29.63
New Jersey	189	13,197	.83	6.64	183.3	48.38
New York	377	13,035	.56	6.96	206.7	53.90
North Carolina	9,659	12,529	.94	8.93	175.7	44.04
Ohio	7,961	11,835	1.14	13.14	146.4	34.65
South Carolina	8,353	12,801	1.12	8.72	152.3	38.98
Tennessee	14,824	12,145	2.13	8.20	128.2	31.13
Virginia	2,663	12,730	1.07	8.62	150.4	38.29
West Virginia	524	12,508	.86	8.96	182.5	45.64
Wisconsin	446	12,591	1.15	8.37	146.5	36.88
Louisiana	3,212	6,951	.62	12.14	138.3	19.22
Louisiana	3,212	6,951	.62	12.14	138.3	19.22
Maryland	3,223	12,565	1.69	12.94	137.9	34.66
Maryland	1,203	12,728	1.59	11.63	166.4	42.37
New York	18	11,137	1.59	16.66	143.2	31.89
West Virginia	2,003	12,480	1.74	13.70	120.4	30.06
Missouri	2,622	10,589	4.15	10.22	162.6	34.43
Kansas	48	11,812	3.60	11.90	118.3	27.95
Missouri	2,574	10,567	4.16	10.19	163.5	34.55
Montana	37,309	9,052	.52	6.62	133.2	24.12
Illinois	3,036	9,580	.35	4.02	282.8	54.18
Indiana	452	9,595	.36	4.05	278.5	53.44
Michigan	10,544	9,446	.37	4.31	151.0	28.53
Minnesota	7,929	8,847	.61	8.14	121.5	21.50
Mississippi	82	9,383	.30	4.15	136.0	25.51
Montana	10,860	8,576	.66	8.92	70.8	12.14
Oregon	1,833	9,547	.40	4.22	110.3	21.06
Washington	714	9,513	.41	4.38	123.5	23.49
Wisconsin	1,858	8,794	.67	8.08	154.9	27.24
New Mexico	24,261	9,323	.69	19.49	146.4	27.29
Arizona	8,754	9,650	.50	14.85	168.6	32.53
New Mexico	14,929	9,013	.81	22.49	132.2	23.83
Wisconsin	578	12,394	.55	12.49	150.7	37.36
North Dakota	25,552	6,513	.87	9.30	75.3	9.81
North Dakota	23,422	6,557	.87	9.29	72.1	9.45
South Dakota	2,130	6,034	.92	9.34	113.3	13.68
Ohio	28,916	11,849	3.42	10.98	140.6	33.32
Indiana	19	11,458	2.82	9.81	128.6	29.46
Kentucky	249	11,471	2.16	14.22	184.5	42.32
Michigan	40	12,003	3.35	8.29	223.3	53.60
Ohio	26,877	11,813	3.40	11.01	142.1	33.58
Pennsylvania	485	12,189	3.43	11.36	160.0	39.00
West Virginia	1,246	12,587	4.03	9.56	92.4	23.27
Oklahoma	272	12,484	2.78	9.77	117.3	29.27
Oklahoma	272	12,484	2.78	9.77	117.3	29.27
Pennsylvania	50,181	12,550	1.85	11.59	145.9	36.62
Delaware	137	13,104	1.40	9.31	177.9	46.62
Kentucky	42	13,005	2.42	7.79	99.8	25.96
Maryland	2,893	12,586	1.87	12.23	169.8	42.75
Massachusetts	395	13,230	1.34	6.31	167.6	44.34
Michigan	1,753	13,159	1.70	6.74	154.3	40.61
Minnesota	11	13,351	2.04	6.92	142.3	38.00
New Hampshire	680	13,264	1.57	6.29	171.5	45.50
New Jersey	15	13,394	2.62	7.10	150.0	40.19
New York	6,895	12,887	1.72	8.47	142.2	36.64
Ohio	3,236	12,732	2.03	9.39	128.9	32.83

See footnotes 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, 1992—Continued

Origin Destination	Quantity (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)
Pennsylvania						
Pennsylvania	31,312	12,358	1.86	13.18	145.6	35.99
Tennessee	3	13,200	2.40	7.40	120.0	31.68
West Virginia	1,275	12,544	2.61	11.44	111.6	27.99
Wisconsin	1,534	13,254	1.59	6.19	157.1	41.65
Tennessee	2,844	12,668	1.39	9.63	132.7	33.63
Alabama	817	12,441	.80	12.21	130.1	32.37
Florida	269	12,861	1.19	6.20	217.6	55.98
Kentucky	500	12,467	2.51	11.14	112.8	28.14
North Carolina	35	12,400	1.30	9.60	150.6	37.36
Tennessee	1,223	12,867	1.37	8.04	123.1	31.69
Texas	51,497	6,224	1.05	17.42	118.8	14.79
Texas	51,497	6,224	1.05	17.42	118.8	14.79
Utah	13,839	11,547	.46	10.85	122.6	28.31
Florida	32	11,596	.39	8.20	163.8	37.99
Illinois	239	11,742	.43	8.17	121.3	28.49
Missouri	79	11,725	.41	8.09	140.8	33.03
Nevada	1,948	11,821	.45	8.83	186.9	44.19
Oregon	99	11,396	.37	7.96	106.9	24.37
Utah	11,323	11,499	.47	11.33	111.1	25.54
Washington	118	11,274	.34	8.17	128.2	28.91
Virginia	16,548	12,872	1.10	9.67	164.0	42.21
Delaware	90	13,101	.82	8.68	201.3	52.74
Florida	882	12,389	.72	9.77	223.4	55.36
Georgia	2,615	12,871	1.34	9.90	180.5	46.47
Indiana	132	13,880	.73	5.38	162.2	45.04
Maryland	78	14,076	.80	5.05	169.9	47.84
Massachusetts	611	12,954	1.06	7.84	175.3	45.42
Michigan	21	13,114	1.33	8.40	149.0	39.08
New Jersey	806	14,185	.83	4.40	175.9	49.90
North Carolina	4,637	12,630	1.07	10.83	172.4	43.55
South Carolina	827	13,028	1.35	9.21	154.1	40.17
Tennessee	1,392	12,909	1.50	8.32	129.1	33.34
Virginia	4,395	12,857	.96	10.33	142.1	36.55
Wisconsin	62	14,122	.68	4.20	154.5	43.65
Washington	4,986	7,921	.70	15.16	139.6	22.12
Washington	4,986	7,921	.70	15.16	139.6	22.12
West Virginia	84,763	12,519	1.60	10.57	157.1	39.33
Alabama	2,752	12,033	.96	10.77	143.1	34.45
Connecticut	21	13,351	.67	6.20	168.9	45.10
Delaware	1,304	13,058	1.00	8.79	171.0	44.66
Florida	1,290	12,526	1.36	10.44	197.5	49.48
Georgia	2,453	11,977	.68	12.64	218.1	52.25
Illinois	492	12,893	.73	9.68	151.8	39.14
Indiana	1,652	12,646	.73	9.73	139.9	35.37
Kentucky	3,069	12,290	.87	11.14	126.3	31.06
Maryland	4,896	12,829	1.04	9.37	151.8	38.95
Massachusetts	2,981	13,057	1.19	8.71	167.9	43.85
Michigan	5,665	12,470	.84	10.51	162.0	40.40
New Hampshire	464	13,369	1.85	6.85	165.3	44.19
New Jersey	1,195	13,023	1.66	8.51	169.7	44.21
New York	3,105	13,182	1.63	7.10	156.2	41.19
North Carolina	6,329	12,218	.77	11.59	167.9	41.04
Ohio	12,312	12,276	1.81	11.07	149.3	36.66
Pennsylvania	9,284	12,549	2.92	10.52	157.2	39.45
South Carolina	76	12,248	.99	9.28	181.7	44.52
Tennessee	28	12,000	1.40	12.00	126.5	30.36
Virginia	1,857	12,911	1.13	8.68	155.3	40.09
West Virginia	23,259	12,524	1.97	11.25	153.4	38.49
Wisconsin	282	12,981	.67	8.01	165.8	43.05

See footnotes at end of table.

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

Table 23. Origin and Destination of Coal by State, 1992—Continued

Origin Destination	Quantity (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)
Wyoming	181,553	8,682	0.38	5.48	127.3	22.10
Arkansas	11,630	8,724	.32	5.12	165.3	28.84
Colorado	4,936	8,486	.33	4.81	101.7	17.26
Florida	12	8,887	.20	4.70	142.3	25.29
Georgia	12	8,777	.38	4.59	127.5	22.38
Illinois	4,382	9,202	.41	6.78	242.8	44.69
Indiana	11,786	8,914	.35	5.10	123.3	21.98
Iowa	13,057	8,500	.37	5.36	100.7	17.12
Kansas	12,402	8,650	.33	5.36	115.0	19.90
Louisiana	9,463	8,519	.46	5.53	157.7	26.87
Michigan	3,254	8,766	.29	4.96	111.3	19.52
Minnesota	7,151	8,794	.26	4.81	114.7	20.18
Mississippi	71	8,760	.34	4.92	153.0	26.81
Missouri	9,112	8,773	.29	4.85	91.3	16.02
Nebraska	7,759	8,553	.37	5.00	74.6	12.77
Nevada	800	9,724	.49	8.17	200.2	38.93
North Dakota	5	9,276	.52	4.30	67.8	12.58
Ohio	61	8,449	.35	5.48	120.1	20.29
Oklahoma	16,568	8,638	.38	5.17	123.5	21.34
Tennessee	71	8,601	.50	7.99	132.1	22.73
Texas	34,256	8,549	.35	5.01	178.5	30.53
Washington	2	8,846	.22	4.67	181.0	32.02
Wisconsin	10,585	8,635	.34	4.94	108.8	18.78
Wyoming	24,181	8,840	.52	7.54	75.9	13.42
Imported	1,806	12,103	.71	6.90	154.0	37.27
Florida	1,419	11,897	.71	6.91	150.0	35.70
Massachusetts	197	13,322	.83	6.68	163.4	43.54
New Hampshire	83	12,616	.60	6.50	161.8	40.83
Ohio	13	9,587	.14	1.20	166.9	32.00
Texas	80	13,064	.64	7.53	175.2	45.78
Washington	15	9,993	.42	12.95	214.7	42.90
Total	775,963	10,395	1.29	9.71	141.2	29.36

* == 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.

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, 1992

Electric Utility Plant Origin State County	Quantity (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)
Alabama Electric Coop Inc Lowman	1,395	12,165	1.29	12.11	148.3	36.07
Alabama	1,395	12,165	1.29	12.11	148.3	36.07
Fayette	218	12,116	1.85	11.51	155.1	37.57
Jefferson	668	12,228	1.32	11.93	149.7	36.62
Tuscaloosa	510	12,104	1.01	12.61	143.4	34.72
Alabama Power Co Barry	832	12,311	.93	11.30	213.1	52.46
Alabama	816	12,322	.92	11.25	214.6	52.88
Tuscaloosa	500	12,547	.93	10.60	243.7	61.16
Walker	292	11,987	.91	12.37	167.6	40.17
Winston	24	11,701	.96	11.24	148.9	34.84
West Virginia	16	11,744	1.08	13.77	132.4	31.10
Nicholas	16	11,744	1.08	13.77	132.4	31.10
Alabama Power Co Gadsden	135	12,530	1.79	12.45	182.7	45.80
Alabama	135	12,530	1.79	12.45	182.7	45.80
Jefferson	135	12,530	1.79	12.45	182.7	45.80
Alabama Power Co Gaston	3,840	12,059	1.67	11.93	174.7	42.14
Alabama	2,642	12,126	2.08	12.46	185.2	44.92
Fayette	1,558	12,033	2.14	12.28	203.7	49.02
Jefferson	595	12,326	1.83	12.63	181.1	44.65
Tuscaloosa	58	12,055	1.92	12.24	113.3	27.31
Walker	431	12,194	2.22	12.88	134.7	32.86
West Virginia	1,198	11,911	.77	10.77	151.2	36.02
Lincoln	1,198	11,911	.77	10.77	151.2	36.02
Alabama Power Co Gorgas 2 and 3	6,595	11,828	1.33	13.51	172.0	40.69
Alabama	6,595	11,828	1.33	13.51	172.0	40.69
Fayette	4	12,161	1.85	11.70	114.7	27.90
Jefferson	1,510	12,032	1.72	13.25	159.8	38.45
Marion	30	11,638	1.57	13.11	110.7	25.77
Tuscaloosa	635	11,837	1.81	13.17	119.3	28.24
Walker	4,265	11,746	1.12	13.73	185.4	43.56
Winston	150	12,085	1.41	11.50	156.6	37.85
Alabama Power Co Greene	1,345	12,221	1.47	9.51	139.9	34.20
Alabama	346	12,158	1.72	12.19	153.2	37.26
Jefferson	346	12,158	1.72	12.19	153.2	37.26
Kentucky	414	12,277	1.34	8.28	136.2	33.44
Pike	414	12,277	1.34	8.28	136.2	33.44
West Virginia	585	12,218	1.42	8.80	134.8	32.93
Fayette	566	12,238	1.40	8.61	135.1	33.08
Nicholas	19	11,600	2.04	14.35	122.3	28.37
Alabama Power Co James Miller	4,359	12,392	.60	11.09	253.7	62.88
Alabama	4,336	12,393	.60	11.09	254.3	63.02
Jefferson	2,001	12,292	.53	11.66	228.0	56.04
Tuscaloosa	932	12,536	.67	11.18	245.5	61.55
Walker	1,402	12,442	.66	10.21	297.2	73.97
Kentucky	16	12,441	.72	9.30	153.4	38.17
Knott	16	12,441	.72	9.30	153.4	38.17
West Virginia	8	11,813	.66	13.30	146.8	34.68
Boone	8	11,813	.66	13.30	146.8	34.68
American Mun Power Ohio Inc Richard Gorsuch	891	11,337	4.55	14.59	96.9	21.96
Ohio	891	11,337	4.55	14.59	96.9	21.96
Noble	891	11,337	4.55	14.59	96.9	21.96
Ames City of Ames	156	8,762	.19	4.59	132.8	23.28
Wyoming	156	8,762	.19	4.59	132.8	23.28
Campbell	156	8,762	.19	4.59	132.8	23.28
Appalachian Power Co Amos	4,244	12,378	.79	11.27	193.5	47.90
West Virginia	4,244	12,378	.79	11.27	193.5	47.90
Boone	3,737	12,310	.79	11.46	194.4	47.87
Logan	276	12,302	.72	11.56	173.8	42.76
Raleigh	228	13,592	.80	7.69	201.3	54.72
Appalachian Power Co Clinch River	1,703	12,582	.75	12.79	128.6	32.35

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Appalachian Power Co Clinch River						
Virginia	1,703	12,582	0.75	12.79	128.6	32.35
Buchanan	7	12,629	.85	12.38	119.5	30.19
Dickenson	828	12,584	.73	12.88	131.6	33.13
Russell	613	12,456	.74	13.90	128.2	31.93
Wise	255	12,876	.86	9.84	120.0	30.90
Appalachian Power Co Glen Lyn	452	12,889	.91	10.13	136.6	35.72
Virginia	452	12,889	.91	10.13	138.6	35.72
Buchanan	164	12,675	.86	11.76	130.9	33.19
Dickenson	3	12,457	.89	10.90	131.1	32.66
Wise	285	13,017	.93	9.18	143.0	37.22
Appalachian Power Co Kanawha River	368	12,578	.80	11.49	172.6	43.41
West Virginia	368	12,578	.80	11.49	172.6	43.41
Fayette	298	12,612	.80	11.25	172.5	43.51
Kanawha	70	12,434	.79	12.52	172.9	43.01
Appalachian Power Co Mountaineer	2,289	12,523	.68	10.37	171.4	42.93
West Virginia	2,289	12,523	.68	10.37	171.4	42.93
Boone	1,646	12,561	.70	10.52	186.3	46.80
Fayette	10	12,590	.66	11.89	131.6	33.13
Kanawha	36	12,584	.68	11.16	130.0	32.71
Logan	312	12,637	.68	9.64	131.2	33.17
Mingo	47	12,412	.53	10.91	150.0	37.23
Wayne	238	12,117	.60	10.01	132.5	32.12
Arizona Electric Pwr Coop Inc Apache	205	11,250	.42	14.37	152.8	34.37
Colorado	119	12,158	.41	15.76	167.5	40.74
Las Animas	119	12,158	.41	15.76	167.5	40.74
New Mexico	86	9,984	.43	12.42	127.7	25.50
Mckinley	86	9,984	.43	12.42	127.7	25.50
Arizona Public Service Co Cholla	3,730	9,816	.44	13.89	144.9	28.44
New Mexico	3,730	9,816	.44	13.89	144.9	28.44
Colfax	*	12,865	.56	9.20	69.6	17.91
Mckinley	3,730	9,816	.44	13.89	144.9	28.44
Arizona Public Service Co Four Corners	8,935	8,808	.79	22.14	106.7	18.79
New Mexico	8,935	8,808	.79	22.14	106.7	18.79
San Juan	8,935	8,808	.79	22.14	106.7	18.79
Arkansas Power & Light Co Independence	5,014	8,843	.21	4.71	161.0	28.47
Wyoming	5,014	8,843	.21	4.71	161.0	28.47
Campbell	5,014	8,843	.21	4.71	161.0	28.47
Arkansas Power & Light Co Whitebluff	4,953	8,730	.43	5.70	173.0	30.21
Wyoming	4,953	8,730	.43	5.70	173.0	30.21
Campbell	4,953	8,730	.43	5.70	173.0	30.21
Associated Electric Coop Inc Hill	2,622	10,480	4.01	9.94	163.2	34.20
Missouri	2,506	10,555	4.19	10.19	164.8	34.79
Randolph	2,506	10,555	4.19	10.19	164.8	34.79
Wyoming	116	8,844	.21	4.57	121.8	21.54
Campbell	116	8,844	.21	4.57	121.8	21.54
Associated Electric Coop Inc Madrid	2,732	10,890	3.06	9.74	116.0	25.25
Illinois	2,121	10,682	2.93	10.19	115.4	24.65
Randolph	2,121	10,682	2.93	10.19	115.4	24.65
Indiana	63	11,279	3.03	8.50	109.9	24.79
Warrick	63	11,279	3.03	8.50	109.9	24.79
Kentucky	548	11,651	3.56	8.15	118.7	27.66
Muhlenberg	548	11,651	3.56	8.15	118.7	27.66
Atlantic City Electric Co Deepwater	143	12,704	.77	10.34	176.9	44.94
West Virginia	143	12,704	.77	10.34	176.9	44.94
Nicholas	38	12,630	.82	10.26	171.6	43.34
Webster	106	12,730	.75	10.37	178.7	45.51
Atlantic City Electric Co England	652	13,029	2.42	8.91	165.7	43.18

See footnotes 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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Atlantic City Electric Co England						
Pennsylvania	15	13,394	2.62	7.10	150.0	40.19
Greene	15	13,394	2.62	7.10	150.0	40.19
West Virginia	637	13,021	2.42	8.95	166.1	43.25
Barbour	525	13,013	2.42	8.95	166.3	43.29
Marion	75	13,020	2.47	9.12	166.3	43.31
Monongalia	8	13,540	1.93	7.00	148.3	40.16
Upshur	29	13,031	2.35	8.92	166.1	43.30
Baltimore Gas & Electric Co Crane	725	13,449	2.03	6.57	144.6	38.89
Pennsylvania	234	13,309	2.14	7.26	140.8	37.47
Greene	234	13,309	2.14	7.26	140.8	37.47
Virginia	78	14,076	.80	5.05	169.9	47.84
Buchanan	78	14,076	.80	5.05	169.9	47.84
West Virginia	413	13,410	2.20	6.46	141.7	38.00
Barbour	7	13,232	2.12	8.00	138.6	36.68
Monongalia	406	13,413	2.20	6.43	141.7	38.03
Baltimore Gas & Electric Co Brandon Shores	2,533	12,711	.68	9.70	153.5	39.03
Kentucky	215	12,922	.73	7.38	154.9	40.04
Letcher	18	12,883	.74	8.30	146.7	37.80
Martin	14	12,434	.74	8.35	142.6	35.46
Pike	183	12,964	.73	7.21	156.6	40.61
West Virginia	2,318	12,692	.68	9.92	153.4	38.93
Boone	293	13,217	.77	6.88	156.2	41.30
Logan	1,886	12,580	.66	10.52	153.0	38.51
Mingo	31	13,454	.71	6.80	148.3	39.90
Nicholas	8	12,586	.82	8.00	176.7	44.48
Webster	100	13,027	.79	8.50	150.6	39.25
Baltimore Gas & Electric Co Wagner	881	13,002	.85	8.36	163.3	42.47
West Virginia	881	13,002	.85	8.36	163.3	42.47
Logan	15	12,795	.67	8.20	145.2	37.16
Nicholas	258	13,043	.89	9.05	175.9	45.87
Webster	608	12,990	.84	8.07	158.4	41.16
Basin Electric Power Coop Laramie River	6,914	8,207	.35	5.09	52.7	8.64
Wyoming	6,914	8,207	.35	5.09	52.7	8.64
Campbell	6,914	8,207	.35	5.09	52.7	8.64
Basin Electric Power Coop Antelope Valley	5,193	6,612	1.08	9.53	74.4	9.84
North Dakota	5,193	6,612	1.08	9.53	74.4	9.84
Mercer	5,193	6,612	1.08	9.53	74.4	9.84
Basin Electric Power Coop Leland Olds	3,047	6,427	.66	9.13	95.9	12.33
North Dakota	3,047	6,427	.66	9.13	95.9	12.33
Mercer	3,047	6,427	.66	9.13	95.9	12.33
Big Rivers Electric Corp D B Wilson	1,260	11,698	3.17	11.00	144.3	33.77
Kentucky	1,260	11,698	3.17	11.00	144.3	33.77
Hopkins	1,020	11,776	3.05	10.30	151.2	35.60
Webster	240	11,365	3.68	13.97	114.3	25.97
Big Rivers Electric Corp R D Green	1,482	10,492	3.78	16.15	119.0	24.96
Kentucky	1,482	10,492	3.78	16.15	119.0	24.96
Henderson	1,125	10,069	4.24	16.95	111.7	22.49
Webster	357	11,828	2.34	13.61	138.5	32.76
Big Rivers Electric Corp Coleman	1,133	11,267	2.54	8.08	97.4	21.95
Indiana	221	11,258	2.40	8.69	113.1	25.47
Daviess	196	11,261	2.40	8.68	115.6	26.04
Gibson	24	11,232	2.44	8.80	92.8	20.86
Kentucky	912	11,269	2.57	7.93	93.6	21.10
Daviess	25	11,141	2.16	8.09	92.9	20.70
Henderson	888	11,273	2.58	7.92	93.6	21.11
Big Rivers Electric Corp Reid-Henderson II	658	12,210	2.33	9.42	121.4	29.65

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Big Rivers Electric Corp Reid-Henderson II						
Indiana	140	11,240	2.54	7.77	104.4	23.47
Spencer	140	11,240	2.54	7.77	104.4	23.47
Kentucky	518	12,472	2.28	9.88	125.6	31.32
Henderson	20	11,329	2.63	7.84	90.0	20.39
Webster	498	12,518	2.26	9.94	126.9	31.76
Cajun Electric Power Coop Inc Big Cajun No.2	5,344	8,368	.46	5.30	147.5	24.69
Wyoming	5,344	8,368	.46	5.30	147.5	24.69
Campbell	5,344	8,368	.46	5.30	147.5	24.69
Cardinal Operating Co Cardinal	4,277	11,842	2.16	12.88	148.0	35.08
Ohio	1,086	12,211	3.17	11.29	133.5	32.59
Belmont	123	11,614	3.16	13.31	106.6	24.75
Harrison	500	12,225	3.01	11.47	152.9	37.40
Jefferson	463	12,355	3.34	10.57	119.3	29.49
West Virginia	3,191	11,717	1.81	13.42	153.2	35.89
Brooke	1,548	12,116	2.87	10.40	143.4	34.75
Kanawha	1,400	11,219	.80	16.91	169.8	38.09
Logan	183	12,055	.70	12.52	131.0	31.59
Monongalia	25	12,082	1.10	12.47	108.7	26.28
Ohio	11	11,680	2.83	12.33	135.5	31.65
Preston	25	12,082	1.10	12.47	108.7	26.28
Carolina Power & Light Co Asheville	789	13,080	1.18	8.80	133.1	34.82
Kentucky	40	12,822	.96	8.10	203.9	52.29
Martin	40	12,822	.96	8.10	203.9	52.29
Virginia	749	13,094	1.19	8.84	129.4	33.88
Buchanan	16	13,095	1.21	7.19	145.5	38.11
Wise	733	13,094	1.19	8.87	129.0	33.79
Carolina Power & Light Co Cape Fear	427	12,788	.97	8.64	197.1	50.40
Kentucky	399	12,815	.96	8.41	200.5	51.40
Harlan	41	12,851	.87	7.63	145.2	37.31
Martin	303	12,790	.96	8.39	211.5	54.11
Pike	55	12,932	1.02	9.10	181.5	46.94
Virginia	22	12,417	1.18	12.06	145.4	36.12
Wise	22	12,417	1.18	12.06	145.4	36.12
West Virginia	6	12,297	.85	11.45	148.1	36.43
Fayette	6	12,297	.85	11.45	148.1	36.43
Carolina Power & Light Co Lee	580	12,680	.98	9.12	190.9	48.40
Kentucky	402	12,823	1.02	8.29	207.2	53.13
Floyd	14	12,550	.85	8.60	150.3	37.73
Johnson	11	12,142	1.24	10.60	151.7	36.84
Martin	364	12,855	1.02	8.17	211.5	54.37
Pike	13	12,800	.97	9.48	193.1	49.43
West Virginia	177	12,356	.90	11.00	152.4	37.66
Boone	44	12,630	.93	11.36	166.2	41.98
Fayette	4	12,788	.87	9.80	147.9	37.83
Logan	106	12,187	.88	11.21	140.8	34.32
Mingo	22	12,526	.94	9.54	179.4	44.93
Carolina Power & Light Co Mayo	1,595	12,071	.64	11.76	186.7	45.08
Kentucky	10	12,209	.67	7.90	164.9	40.27
Martin	10	12,209	.67	7.90	164.9	40.27
West Virginia	1,585	12,070	.64	11.79	186.9	45.11
Logan	39	12,869	.72	10.14	137.0	35.27
Mingo	1,546	12,050	.64	11.83	188.2	45.36
Carolina Power & Light Co Robinson	271	12,448	1.05	9.16	171.4	42.67
Kentucky	195	12,526	1.07	9.12	167.5	41.96
Harlan	55	12,535	1.04	9.01	162.3	40.69
Johnson	1	12,000	1.00	12.00	156.4	37.54
Letcher	16	12,371	.98	9.70	158.2	39.14
Perry	15	13,112	.84	7.00	151.3	39.68
Pike	108	12,468	1.13	9.35	173.9	43.37

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Carolina Power & Light Co Robinson						
West Virginia	76	12,248	0.99	9.28	181.7	44.52
Boone	15	12,308	.95	12.02	164.8	40.56
Mingo	61	12,233	1.00	8.60	186.0	45.50
Carolina Power & Light Co Roxboro	5,737	12,364	.86	10.47	173.5	42.92
Kentucky	2,375	12,618	.94	8.36	180.5	45.56
Harlan	10	12,691	1.28	8.80	146.4	37.16
Martin	2,335	12,624	.94	8.31	181.2	45.75
Pike	30	12,131	.49	12.00	137.5	33.36
Virginia	98	12,393	1.03	12.56	135.1	33.49
Wise	98	12,393	1.03	12.56	135.1	33.49
West Virginia	3,264	12,178	.79	11.94	169.5	41.28
Boone	1,540	12,258	.89	12.88	158.9	38.95
Logan	70	12,965	.72	9.54	137.7	35.71
Mingo	1,654	12,071	.71	11.16	180.9	43.68
Carolina Power & Light Co Sutton	767	12,436	.93	10.36	155.1	38.57
Kentucky	434	12,498	.94	9.57	152.9	38.22
Breathitt	43	11,939	.85	9.98	152.6	36.44
Floyd	61	12,577	.89	8.88	149.7	37.67
Harlan	68	12,807	1.03	8.63	156.1	39.99
Letcher	163	12,353	.94	10.57	152.6	37.71
Perry	36	13,124	.87	6.80	155.7	40.87
Pike	63	12,486	1.01	9.93	151.8	37.90
West Virginia	332	12,354	.90	11.40	157.9	39.02
Boone	159	12,423	.89	11.60	163.2	40.56
Logan	146	12,299	.92	11.73	146.7	36.08
Mingo	27	12,249	.91	8.53	186.5	45.69
Carolina Power & Light Co Weatherspoon	238	12,412	1.07	9.95	162.1	40.23
Kentucky	201	12,402	1.08	9.70	160.6	39.83
Breathitt	33	11,802	1.05	9.81	152.4	35.96
Clay	2	11,551	1.19	15.20	160.0	36.96
Harlan	61	12,697	1.05	9.16	162.3	41.21
Johnson	3	11,632	1.09	14.10	155.6	36.20
Letcher	8	12,099	.92	11.30	150.2	36.34
Pike	95	12,485	1.13	9.64	163.2	40.74
Tennessee	8	12,617	1.29	7.30	153.2	38.66
Campbell	8	12,617	1.29	7.30	153.2	38.66
West Virginia	29	12,424	.91	12.43	174.9	43.46
Boone	29	12,424	.91	12.43	174.9	43.46
Cedar Falls City of Streeter	10	11,188	2.72	9.11	140.9	31.54
Illinois	1	12,200	2.20	8.00	162.9	39.75
Saline	1	12,200	2.20	8.00	162.9	39.75
Indiana	9	11,022	2.80	9.30	136.9	30.19
Daviess	9	11,022	2.80	9.30	136.9	30.19
Central Electric Pwr Coop-MO Chamois	83	10,971	3.14	9.90	118.5	26.00
Illinois	15	10,905	2.85	9.83	126.0	27.48
Franklin	2	9,969	1.90	13.90	83.7	16.68
Randolph	13	11,049	3.00	9.20	131.9	29.14
Missouri	68	10,986	3.20	9.92	116.9	25.67
Ralls	68	10,986	3.20	9.92	116.9	25.67
Central Hudson Gas & Elec Corp Danskammer	881	13,018	.59	7.50	182.1	47.40
Kentucky	62	12,983	.64	6.62	185.4	48.13
Martin	59	12,986	.64	6.55	184.4	47.90
Pike	2	12,896	.51	8.29	209.2	53.95
West Virginia	820	13,021	.59	7.56	181.8	47.35
Mingo	820	13,021	.59	7.56	181.8	47.35
Central Illinois Light Co Duck Creek	1,014	10,730	3.32	7.93	165.7	35.57
Illinois	1,014	10,730	3.32	7.93	165.7	35.57
Macoupin	1,014	10,730	3.32	7.93	165.7	35.57
Central Illinois Light Co Edwards	1,253	12,947	.91	6.47	169.7	43.94

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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 Illinois Light Co Edwards						
Illinois	184	10,556	2.89	9.41	149.2	31.50
Fulton	97	10,413	2.55	10.78	137.5	28.63
Macoupin	87	10,715	3.28	7.88	161.9	34.70
Kentucky	930	13,358	.56	5.95	173.7	46.42
Letcher	47	13,202	.65	7.03	150.4	39.71
Perry	62	13,353	.58	5.64	164.5	43.94
Pike	821	13,367	.55	5.92	175.8	46.99
West Virginia	139	13,367	.68	6.02	164.1	43.87
Boone	85	13,379	.69	5.65	164.2	43.93
Mingo	54	13,347	.67	6.60	164.0	43.77
Central Illinois Pub Serv Co Grand Tower	180	11,543	2.82	11.63	176.5	40.75
Illinois	180	11,543	2.82	11.63	176.5	40.75
Williamson	180	11,543	2.82	11.63	176.5	40.75
Central Illinois Pub Serv Co Hutsonville	229	11,315	2.27	8.44	148.3	33.56
Indiana	229	11,315	2.27	8.44	148.3	33.56
Davless	149	11,388	2.47	8.27	152.3	34.70
Greene	56	11,358	2.38	8.36	145.7	33.09
Sullivan	25	10,776	.82	9.60	128.6	27.72
Central Illinois Pub Serv Co Coffeen	1,755	10,562	3.00	8.53	155.6	32.87
Illinois	1,755	10,562	3.00	8.53	155.6	32.87
Macoupin	1,755	10,562	3.00	8.53	155.6	32.87
Central Illinois Pub Serv Co Newton	1,709	11,554	2.01	10.55	165.7	38.28
Colorado	376	12,058	.47	8.38	139.9	33.73
Gunnison	346	12,123	.47	8.28	139.3	33.78
Routt	31	11,316	.41	9.50	146.8	33.22
Illinois	1,100	11,539	2.84	11.59	178.9	41.29
Williamson	1,100	11,539	2.84	11.59	178.9	41.29
Indiana	233	10,809	.62	9.09	145.2	31.39
Sullivan	233	10,809	.62	9.09	145.2	31.39
Central Illinois Pub Serv Co Meredosia	529	11,570	2.71	6.08	152.9	35.38
Colorado	53	11,861	.46	8.80	155.7	36.94
Gunnison	53	11,861	.46	8.80	155.7	36.94
Illinois	476	11,537	2.96	5.78	152.6	35.21
McDonough	13	11,438	3.16	6.30	133.5	30.54
Schuyler	463	11,540	2.95	5.77	153.1	35.34
Central Iowa Power Coop Fair	148	11,206	3.09	9.75	113.4	25.42
Illinois	90	10,760	2.93	10.39	118.7	25.54
Randolph	90	10,760	2.93	10.39	118.7	25.54
Indiana	31	11,493	3.32	8.00	106.5	24.48
Spencer	31	11,493	3.32	8.00	106.5	24.48
Kentucky	27	12,367	3.36	9.61	105.5	26.09
Hopkins	27	12,367	3.36	9.61	105.5	26.09
Central Louisiana Elec Co Inc Dolet Hills	3,212	6,951	.62	12.14	138.3	19.22
Louisiana	3,212	6,951	.62	12.14	138.3	19.22
De Soto	2,655	6,999	.60	11.33	136.1	19.05
Red River	557	6,722	.72	15.97	148.9	20.01
Central Louisiana Elec Co Inc Rodemacher	1,870	8,727	.45	5.79	181.7	31.71
Wyoming	1,870	8,727	.45	5.79	181.7	31.71
Campbell	1,870	8,727	.45	5.79	181.7	31.71
Central Operating Co Sporn	1,367	12,354	1.20	11.61	165.0	40.77
West Virginia	1,367	12,354	1.20	11.61	165.0	40.77
Boone	192	12,451	.82	11.13	214.2	53.35
Clay	182	12,181	1.33	12.71	150.9	36.76
Fayette	319	12,615	1.35	10.87	177.5	44.79
Kanawha	486	12,278	1.16	11.47	147.3	36.18
Mingo	6	12,008	.79	11.70	174.7	41.96
Monongalia	1	12,216	1.37	12.50	117.3	28.66
Nicholas	182	12,181	1.33	12.71	150.9	36.76
Central Power & Light Co Coletto Creek	1,860	10,978	.40	6.37	203.5	44.68

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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 Power & Light Co Colo. to Creek						
Colorado	1,781	10,885	0.39	6.32	205.0	44.63
Delta	105	11,342	.41	8.06	170.9	38.77
Gunnison	385	11,869	.48	8.76	163.7	38.85
Moffat	1,291	10,555	.36	5.45	221.9	46.83
Imported	80	13,064	.64	7.53	175.2	45.78
Imported Coal	80	13,064	.64	7.53	175.2	45.78
Century Power Corp Springerville	2,493	9,117	.63	17.93	170.9	31.16
New Mexico	2,493	9,117	.63	17.93	170.9	31.16
Mckinley	2,493	9,117	.63	17.93	170.9	31.16
Cincinnati Gas & Electric Co East Bend	1,176	11,770	1.51	13.13	161.7	38.07
Kentucky	804	11,886	1.21	12.74	152.8	36.32
Greenup	12	11,559	2.01	14.68	185.8	42.94
Knott	179	11,616	1.06	14.04	101.4	23.55
Magoffin	237	12,024	1.27	12.62	178.6	42.95
Martin	264	11,079	.80	12.66	182.2	44.02
Muhlenberg	44	11,666	2.80	8.61	103.6	24.17
Ohio	26	11,610	2.83	8.68	104.2	24.19
Perry	36	11,625	1.10	14.40	100.4	23.35
Wolfe	6	11,075	1.02	16.70	100.2	22.19
Ohio	249	11,471	2.16	14.22	184.5	42.32
Belmont	2	12,754	3.23	8.70	104.7	26.71
Lawrence	248	11,462	2.15	14.26	185.1	42.43
Pennsylvania	9	13,245	2.03	6.95	95.7	25.35
Greene	9	13,245	2.03	6.95	95.7	25.35
West Virginia	113	11,487	2.20	13.99	183.8	42.22
Fayette	9	11,293	2.60	13.03	183.3	41.40
Kanawha	104	11,504	2.17	4.08	183.8	42.29
Cincinnati Gas & Electric Co Miami Fort	2,501	12,166	1.32	11.04	163.5	39.79
Kentucky	1,039	11,971	1.15	12.32	153.8	36.82
Floyd	276	12,283	.67	11.59	133.3	32.74
Knott	5	11,728	1.30	14.40	99.8	23.40
Magoffin	207	12,022	1.40	12.56	173.7	41.76
Martin	371	11,857	.81	14.04	182.0	43.16
Muhlenberg	73	11,634	2.80	8.53	104.3	24.28
Ohio	40	11,588	2.82	8.53	105.4	24.44
Perry	8	11,668	.92	12.92	106.8	24.92
Pike	35	12,003	.57	12.97	110.8	26.60
Union	23	11,425	2.84	8.16	100.6	22.99
Ohio	466	11,423	2.56	12.62	175.1	40.01
Belmont	43	12,635	3.17	8.98	104.6	26.44
Jackson	2	10,853	3.54	13.70	80.6	17.50
Lawrence	422	11,300	2.50	12.99	183.5	41.48
Pennsylvania	40	13,263	2.39	7.13	99.0	26.26
Greene	40	13,263	2.39	7.13	99.0	26.26
West Virginia	956	12,696	.85	9.04	171.2	43.48
Clay	13	12,104	.64	12.58	116.0	28.09
Fayette	8	11,216	2.61	12.99	181.5	40.72
Kanawha	606	12,546	.88	9.56	183.1	45.94
Logan	50	11,975	.64	12.45	119.0	28.49
Mason	11	11,784	2.60	9.31	96.7	22.78
Mingo	268	13,284	.68	6.92	159.6	42.41
Cincinnati Gas & Electric Co Beckjord	1,351	11,754	1.76	12.46	164.7	38.71
Kentucky	829	11,955	1.25	12.30	161.7	38.67
Breathitt	2	11,139	.89	12.00	98.3	21.90
Floyd	48	12,320	.72	12.14	131.5	32.41
Greenup	10	11,471	2.22	14.17	181.7	41.69
Knott	28	11,540	1.12	14.26	98.3	22.69
Magoffin	255	12,063	1.27	12.49	176.7	42.62
Martin	357	12,033	.81	12.99	179.2	43.12
Muhlenberg	73	11,566	2.79	8.80	106.9	24.72
Ohio	33	11,563	2.81	8.67	107.3	24.80
Perry	18	11,338	1.14	14.42	95.7	21.70
Union	5	11,443	2.81	8.20	102.1	22.37

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Cincinnati Gas & Electric Co Beckjord						
Ohio	442	11,430	2.64	12.58	168.2	38.45
Belmont	58	12,669	3.18	8.99	102.7	26.01
Jackson	6	10,993	4.37	13.10	78.3	17.22
Lawrence	377	11,247	2.53	13.12	181.1	40.73
West Virginia	80	11,454	2.27	13.52	177.1	40.56
Fayette	6	11,247	2.66	13.60	178.9	40.24
Kanawha	71	11,427	2.27	13.72	178.7	40.84
Mason	1	11,821	2.55	9.30	95.0	22.46
Mingo	2	13,112	.70	7.40	158.1	41.46
Cincinnati Gas & Electric Co Zimmer	4,294	12,097	3.22	9.81	107.7	26.05
Indiana	95	11,526	3.52	8.01	89.6	20.66
Pike	95	11,526	3.52	8.01	89.6	20.66
Kentucky	372	11,619	1.41	13.68	98.2	22.83
Breathitt	267	11,606	1.41	13.58	97.9	22.73
Knott	10	11,732	1.07	14.20	96.4	22.62
Perry	95	11,643	1.43	13.91	99.4	23.14
Ohio	3,551	12,074	3.49	9.65	110.2	26.60
Belmont	862	12,596	3.96	9.11	105.6	26.59
Harrison	1,557	12,062	3.76	10.65	109.2	26.34
Jackson	26	10,684	3.51	14.09	81.3	17.37
Lawrence	1,106	11,717	2.73	8.55	116.0	27.20
Pennsylvania	268	13,278	2.22	7.05	94.9	25.20
Greene	268	13,278	2.22	7.05	94.9	25.20
West Virginia	8	11,669	1.35	12.70	95.0	22.17
Mingo	8	11,669	1.35	12.70	95.0	22.17
Cleveland Electric Illum Co Ashtabula	901	12,840	3.22	8.50	150.8	38.73
Ohio	509	12,446	3.95	9.52	175.7	43.72
Belmont	509	12,446	3.95	9.52	175.7	43.72
West Virginia	392	13,353	2.28	7.18	120.8	32.25
Kanawha	32	12,397	.80	10.59	161.6	40.06
Monongalia	337	13,482	2.51	6.72	115.3	31.09
Nicholas	23	12,794	.84	9.20	150.3	38.46
Cleveland Electric Illum Co Avon Lake	1,527	12,543	2.45	9.45	153.5	38.51
Ohio	1,345	12,444	2.49	9.76	158.3	39.41
Belmont	262	12,420	3.15	9.54	214.4	53.26
Harrison	1,083	12,449	2.33	9.81	144.8	36.06
Pennsylvania	125	13,306	2.35	6.93	117.7	31.31
Greene	125	13,306	2.35	6.93	117.7	31.31
West Virginia	57	13,225	1.60	7.58	125.5	33.20
Mingo	30	13,079	.70	9.10	135.1	35.34
Monongalia	27	13,388	2.61	5.90	115.1	30.82
Cleveland Electric Illum Co Eastlake	2,029	12,920	2.63	8.37	149.6	38.66
Ohio	987	12,591	3.46	9.34	170.0	42.80
Belmont	830	12,618	3.73	9.35	176.3	44.49
Columbiana	157	12,444	2.05	9.23	135.9	33.83
Pennsylvania	675	13,234	1.99	7.33	127.9	33.85
Greene	605	13,345	1.95	6.83	128.7	34.34
Westmoreland	70	12,275	2.54	11.66	120.5	29.57
West Virginia	367	13,227	1.58	7.70	137.4	36.36
Boone	72	13,450	.85	6.33	155.9	41.95
Monongalia	156	13,266	2.60	7.45	117.9	31.28
Nicholas	125	13,122	.83	8.78	149.7	39.28
Wayne	14	12,595	.78	8.00	152.0	38.29
Cleveland Electric Illum Co Lake Shore	192	13,180	.64	6.78	165.4	43.61
West Virginia	192	13,180	.64	6.78	165.4	43.61
Mingo	192	13,180	.64	6.78	165.4	43.61
Colorado Springs City of Drake	604	10,646	.36	5.25	164.3	34.99
Colorado	604	10,646	.36	5.25	164.3	34.99
Moffat	570	10,622	.35	5.07	166.6	35.40
Routt	34	11,053	.40	8.25	128.0	28.29
Colorado Springs City of Nixon	610	10,910	.38	6.85	141.6	30.90

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Colorado Springs City of Nixon						
Colorado	610	10,910	0.38	6.85	141.6	30.90
Gunnison	18	11,850	.43	8.08	94.5	22.39
Moffat	316	10,552	.36	5.09	149.5	31.56
Routt	276	11,258	.40	8.78	136.5	30.73
Columbia City of Columbia	37	13,975	.64	5.62	211.2	59.04
Kentucky	37	13,975	.64	5.62	211.2	59.04
Pike	37	13,975	.64	5.62	211.2	59.04
Columbus Southern Power Co Picway	307	11,457	3.05	9.86	105.4	24.16
Ohio	307	11,457	3.05	9.86	105.4	24.16
Hocking	16	11,487	3.15	9.55	100.8	23.15
Holmes	5	11,747	3.70	8.11	99.1	23.29
Jackson	20	11,554	3.24	10.14	104.0	24.04
Perry	98	11,375	3.25	9.64	99.6	22.67
Vinton	169	11,481	2.88	10.03	109.6	25.16
Columbus Southern Power Co Conesville	3,422	12,031	3.23	8.27	149.5	35.98
Ohio	3,422	12,031	3.23	8.27	149.5	35.98
Coshocton	1,895	12,166	3.26	7.37	169.5	41.24
Guernsey	20	11,719	2.45	10.63	99.8	23.39
Harrison	195	12,462	2.92	8.97	122.4	30.52
Holmes	205	11,801	3.30	8.23	98.5	23.25
Jefferson	72	11,946	2.86	11.45	103.7	24.77
Muskingum	105	11,901	3.99	8.99	101.4	24.14
Noble	8	11,697	3.47	12.91	95.2	22.26
Perry	127	11,171	2.57	13.27	121.8	27.22
Tuscarawas	795	11,835	3.25	8.96	137.2	32.48
Columbus City of Solid Waste R F	29	12,645	.95	8.49	164.4	41.58
Kentucky	24	12,856	.99	8.55	162.8	41.87
Floyd	4	13,046	.76	6.80	159.6	41.65
Pike	16	12,824	1.10	9.13	163.7	41.99
Unknown	3	12,749	.79	8.10	163.0	41.56
Ohio	5	11,563	.74	8.15	173.4	40.10
Jackson	5	11,563	.74	8.15	173.4	40.10
Commonwealth Edison Co Waukegan	880	9,408	.40	6.21	266.9	50.22
Montana	270	9,549	.35	3.95	282.0	53.86
Big Horn	270	9,549	.35	3.95	282.0	53.86
Wyoming	610	9,345	.43	7.21	260.1	48.61
Campbell	55	8,836	.41	5.10	105.4	18.63
Sweetwater	555	9,396	.43	7.42	274.5	51.59
Commonwealth Edison Co Crawford	303	9,392	.42	7.24	314.9	59.16
Montana	8	9,541	.38	4.57	306.8	58.55
Big Horn	8	9,541	.38	4.57	306.8	58.55
Wyoming	295	9,388	.42	7.31	315.2	59.18
Sweetwater	295	9,388	.42	7.31	315.2	59.18
Commonwealth Edison Co Fisk	321	9,314	.38	6.34	275.8	51.37
Montana	57	9,627	.39	4.23	307.0	59.12
Big Horn	57	9,627	.39	4.23	307.0	59.12
Wyoming	264	9,246	.38	6.81	268.7	49.69
Campbell	68	8,758	.17	4.39	118.0	20.66
Sweetwater	196	9,415	.45	7.65	317.4	59.76
Commonwealth Edison Co Joliet	1,919	9,419	.42	6.77	280.4	52.82
Montana	387	9,596	.35	4.07	282.3	54.18
Big Horn	387	9,596	.35	4.07	282.3	54.18
Wyoming	1,532	9,375	.44	7.46	279.9	52.47
Campbell	57	8,771	.18	4.46	103.2	18.11
Sweetwater	1,475	9,398	.45	7.57	286.2	53.80
Commonwealth Edison Co Kincaid	1,716	10,516	3.40	8.68	166.9	35.09
Illinois	1,716	10,516	3.40	8.68	166.9	35.09
Christian	1,611	10,445	3.52	8.74	170.6	35.63
Franklin	105	11,611	1.46	7.77	115.7	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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Commonwealth Edison Co Powerton	1,279	9,583	0.35	4.03	267.6	51.29
Montana	1,279	9,583	.35	4.03	267.6	51.29
Big Horn	1,279	9,583	.35	4.03	267.6	51.29
Commonwealth Edison Co State Line	452	9,595	.36	4.05	278.5	53.44
Montana	452	9,595	.36	4.05	278.5	53.44
Big Horn	452	9,595	.36	4.05	278.5	53.44
Commonwealth Edison Co Will County	1,682	9,497	.37	5.29	306.5	58.21
Montana	1,034	9,576	.34	4.00	300.4	57.53
Big Horn	1,034	9,576	.34	4.00	300.4	57.53
Wyoming	648	9,371	.42	7.34	316.4	59.30
Sweetwater	648	9,371	.42	7.34	316.4	59.30
Consumers Power Co Campbell	3,066	12,432	.74	9.91	171.9	42.74
Kentucky	1,727	12,695	.77	8.89	174.6	44.33
Breathitt	28	12,073	.91	11.75	154.1	37.20
Floyd	212	12,715	.89	11.05	165.0	41.95
Knott	41	12,642	.94	8.30	152.2	38.50
Perry	662	12,463	.83	9.31	171.9	42.84
Pike	783	12,911	.68	7.87	181.2	46.79
West Virginia	1,281	12,249	.72	11.52	169.6	41.56
Boone	1,047	12,228	.73	11.43	171.4	41.92
Lincoln	18	11,854	.85	10.90	147.4	34.95
Logan	215	12,381	.65	12.03	162.9	40.34
Wyoming	58	8,687	.27	4.76	126.4	21.96
Campbell	58	8,687	.27	4.76	126.4	21.96
Consumers Power Co Cobb	859	11,078	.82	7.57	161.1	35.69
Kentucky	456	12,557	.83	9.49	179.1	44.98
Floyd	141	12,545	.91	11.24	163.6	41.04
Perry	162	12,546	.81	8.57	179.3	44.99
Pike	153	12,580	.77	8.86	193.2	48.62
West Virginia	44	12,195	.89	11.13	155.4	37.91
Boone	44	12,195	.89	11.13	155.4	37.91
Wyoming	359	9,065	.33	4.70	130.3	23.63
Campbell	359	9,065	.33	4.70	130.3	23.63
Consumers Power Co Karn	1,274	12,186	.85	11.62	153.8	37.49
Kentucky	120	12,498	.83	9.06	149.8	37.44
Martin	19	12,471	.79	7.93	138.6	34.57
Perry	61	12,252	.89	10.18	145.5	35.66
Pike	40	12,887	.76	7.90	161.4	41.59
West Virginia	1,154	12,153	.85	11.89	154.3	37.49
Boone	1,065	12,154	.86	11.87	154.6	37.57
Lincoln	28	11,846	.88	11.07	137.0	32.46
Logan	51	12,335	.76	12.73	159.1	39.25
Mingo	9	12,000	.98	12.00	142.2	34.13
Consumers Power Co Weadock	944	11,220	.69	9.53	148.9	33.41
Kentucky	151	12,419	.86	10.28	157.5	39.12
Martin	20	12,300	.98	10.00	138.6	34.10
Perry	41	12,140	.88	10.89	149.2	36.21
Pike	90	12,570	.82	10.06	165.2	41.53
West Virginia	517	12,133	.84	11.63	155.2	37.67
Boone	476	12,144	.84	11.56	155.4	37.74
Logan	31	12,011	.70	12.74	157.1	37.73
Mingo	10	12,000	.92	11.50	142.2	34.13
Wyoming	277	8,864	.31	5.22	126.0	22.34
Campbell	183	8,889	.31	4.93	125.8	22.36
Converse	94	8,818	.32	5.78	126.4	22.30
Consumers Power Co Whiting	783	12,206	.87	11.02	142.5	34.79
Kentucky	193	12,262	.87	10.80	146.2	35.86
Floyd	46	12,617	.95	11.78	149.6	37.75
Martin	10	12,000	.99	12.00	146.4	35.14
Perry	98	11,876	.87	11.30	134.5	31.94
Pike	39	12,878	.74	8.10	169.4	43.62

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Consumers Power Co						
Whiting						
West Virginia	582	12,234	0.88	11.16	141.4	34.59
Boone	500	12,266	.88	11.28	142.4	34.93
Lincoln	56	11,837	.87	10.13	131.7	31.18
Logan	18	12,476	.63	11.22	146.8	36.62
Nicholas	9	12,448	.99	11.00	133.2	33.16
Wyoming	8	8,859	.34	5.64	133.0	23.56
Converse	8	8,859	.34	5.64	133.0	23.56
Coop Power Assn						
Coal Creek	7,438	6,264	.78	10.63	72.7	9.10
North Dakota	7,438	6,264	.78	10.63	72.7	9.10
McLean	7,438	6,264	.78	10.63	72.7	9.10
Dairyland Power Coop						
Alma-Madgett	1,246	9,012	.46	5.15	142.7	25.72
Illinois	200	11,502	1.24	6.81	139.3	32.04
Franklin	200	11,502	1.24	6.81	139.3	32.04
Wyoming	1,048	8,536	.31	4.83	143.6	24.51
Campbell	950	8,519	.30	4.77	146.2	24.90
Converse	98	8,700	.35	5.38	119.2	20.75
Dairyland Power Coop						
Genoa No.3	773	11,702	1.10	7.72	135.1	31.62
Colorado	10	12,731	.46	11.40	141.2	35.95
Las Animas	10	12,731	.46	11.40	141.2	35.95
Illinois	257	11,929	1.34	6.06	136.4	32.54
Jefferson	251	11,947	1.30	5.95	136.8	32.68
Perry	6	11,192	3.03	10.30	119.6	26.77
Kentucky	324	12,322	1.28	9.10	133.6	32.91
Pike	75	12,115	.68	10.74	143.0	34.66
Webster	249	12,384	1.46	8.61	130.8	32.39
West Virginia	78	12,292	.68	10.46	146.6	36.04
Boone	78	12,292	.68	10.46	146.6	36.04
Wyoming	103	8,643	.32	5.09	124.3	21.48
Converse	103	8,643	.32	5.09	124.3	21.48
Dairyland Power Coop						
Stoneman	24	12,283	1.11	5.50	134.0	32.92
Illinois	24	12,283	1.11	5.50	134.0	32.92
Jefferson	24	12,283	1.11	5.50	134.0	32.92
Dayton Power & Light Co						
Stuart	5,981	11,718	1.30	13.90	140.7	32.96
Indiana	41	11,606	3.45	8.48	92.1	21.38
Pike	41	11,606	3.45	8.48	92.1	21.38
Kentucky	4,625	11,709	1.16	14.15	151.1	35.38
Bell	247	12,629	1.20	8.54	173.3	43.77
Carter	70	11,260	1.39	15.44	95.7	21.54
Floyd	142	11,462	1.17	14.06	97.2	22.28
Johnson	148	11,249	1.39	14.46	95.3	21.44
Knott	31	11,683	1.29	14.97	91.8	21.46
Lawrence	54	11,412	1.25	13.17	95.2	21.74
Letcher	149	11,736	1.19	14.19	97.7	22.92
Magoffin	51	11,213	1.00	14.71	97.5	21.87
Perry	2,614	11,519	1.03	15.30	152.8	35.21
Pike	1,104	12,116	1.40	12.52	173.0	41.92
Wolfe	15	11,125	1.20	15.42	98.3	21.87
Ohio	266	11,227	3.45	13.18	91.9	20.62
Belmont	40	11,947	3.50	11.94	97.1	23.20
Jackson	109	10,999	3.67	13.43	91.2	20.06
Jefferson	14	11,995	3.36	13.06	93.3	22.39
Lawrence	21	11,321	1.37	13.87	86.9	19.67
Vinton	82	11,016	3.66	13.31	90.9	20.03
Pennsylvania	109	12,540	2.92	10.37	89.4	22.41
Fayette	2	11,269	1.03	13.10	92.5	20.85
Greene	43	13,069	2.42	7.58	84.3	22.05
Washington	64	12,219	3.30	12.17	92.9	22.70
West Virginia	941	11,812	1.14	13.52	111.2	26.28
Boone	109	11,599	1.16	14.87	94.0	21.80
Fayette	33	11,743	1.16	16.60	88.3	20.74
Kanawha	35	11,797	.94	15.03	100.0	23.60
Logan	136	11,960	1.38	13.55	155.9	37.29
Mingo	36	11,435	1.27	14.27	97.5	22.31
Monongalia	22	12,015	1.96	13.99	95.5	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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Dayton Power & Light Co Stuart						
West Virginia						
Nicholas	50	11,636	1.18	14.74	91.6	21.33
Raleigh	22	11,987	.80	13.81	97.8	23.45
Wayne	497	11,853	1.06	12.69	109.1	25.87
Dayton Power & Light Co Hutchings	51	12,595	.89	10.34	131.3	33.06
Kentucky	15	13,067	.85	6.79	134.5	35.14
Breathitt	3	12,059	.86	8.80	123.1	29.70
Perry	12	13,315	.85	6.30	137.0	36.48
West Virginia	36	12,401	.91	11.79	129.9	32.21
Logan	1	11,285	.91	13.90	126.1	28.46
Nicholas	35	12,443	.91	11.71	130.0	32.35
Dayton Power & Light Co Killen	805	12,147	.64	12.51	151.3	36.75
Kentucky	180	11,884	.63	11.75	110.2	26.19
Floyd	67	12,165	.65	10.86	112.6	27.41
Johnson	51	11,687	.61	12.54	107.5	25.12
Pike	61	11,739	.63	12.07	109.6	25.74
West Virginia	625	12,222	.64	12.72	162.7	39.78
Kanawha	18	12,249	.67	10.09	112.4	27.55
Logan	566	12,258	.65	12.83	168.4	41.29
Mingo	42	11,733	.62	12.49	105.0	24.64
Delmarva Power & Light Co Edgemoor	554	13,101	.80	8.65	183.4	48.06
Virginia	90	13,101	.82	8.68	201.3	52.74
Wise	90	13,101	.82	8.68	201.3	52.74
West Virginia	464	13,101	.79	8.64	180.0	47.16
Barbour	21	12,801	.78	9.40	171.1	43.81
Logan	8	12,989	.78	7.88	177.6	46.14
Mingo	152	13,022	.70	8.68	181.4	42.02
Nicholas	78	13,084	.81	8.89	174.4	45.64
Webster	204	13,201	.85	8.47	196.7	51.94
Unknown	*	13,000	.90	8.00	207.0	53.82
Delmarva Power & Light Co Indian River	978	13,044	1.16	8.94	167.7	43.76
Pennsylvania	137	13,104	1.40	9.31	177.9	46.62
Jefferson	137	13,104	1.40	9.31	177.9	46.62
West Virginia	840	13,034	1.12	8.88	166.1	43.29
Barbour	410	13,096	1.40	8.64	160.2	41.90
Boone	7	13,241	.75	7.00	184.1	48.75
Mingo	251	12,922	.69	8.81	173.2	44.75
Nicholas	51	12,979	.72	9.40	171.0	44.38
Preston	66	13,090	1.33	10.07	166.5	43.60
Webster	54	13,031	1.18	9.29	170.3	44.39
Deseret Generation & Tran Coop Bonanza	1,517	10,531	.48	10.54	201.4	42.42
Colorado	1,517	10,531	.48	10.54	201.4	42.42
Rio Blanco	1,517	10,531	.48	10.54	201.4	42.42
Detroit Edison Co Belle River	3,474	9,505	.35	4.07	150.1	28.53
Montana	3,474	9,505	.35	4.07	150.1	28.53
Big Horn	3,474	9,505	.35	4.07	150.1	28.53
Detroit Edison Co Harbor Beach	39	13,142	.85	7.27	162.3	42.66
Kentucky	39	13,142	.85	7.27	162.3	42.66
Pike	39	13,142	.85	7.27	162.3	42.66
Detroit Edison Co Marysville	61	13,065	.85	7.78	183.2	47.86
Kentucky	32	12,955	.83	8.17	182.1	47.19
Pike	32	12,955	.83	8.17	182.1	47.19
West Virginia	29	13,187	.86	7.35	184.3	48.61
Nicholas	29	13,187	.86	7.35	184.3	48.61
Detroit Edison Co Monroe	7,820	11,157	.83	5.95	150.5	33.59
Kentucky	2,028	12,858	1.21	7.80	164.3	42.25
Floyd	292	12,615	1.20	8.44	176.9	44.62
Knott	278	13,070	1.19	7.35	149.7	39.12
Leslie	70	12,884	1.22	8.29	133.3	34.34
Letcher	39	12,570	1.12	9.92	124.4	31.26

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Detroit Edison Co Monroe						
Kentucky						
Martin	245	12,554	0.84	8.76	206.1	51.74
Perry	50	12,985	.99	7.94	163.6	42.49
Pike	1,054	12,943	1.32	7.40	158.9	41.12
Montana	1,739	9,518	.35	4.05	154.0	29.31
Big Horn	1,739	9,518	.35	4.05	154.0	29.31
Pennsylvania	1,432	13,272	1.46	6.19	158.2	41.98
Greene	1,432	13,272	1.46	6.19	158.2	41.98
Virginia	21	13,114	1.33	8.40	149.0	39.08
Buchanan	21	13,114	1.33	8.40	149.0	39.08
West Virginia	618	13,107	1.28	7.76	179.5	47.05
Boone	469	13,134	1.32	7.69	179.4	47.13
Mingo	103	12,947	1.35	8.31	181.6	47.02
Nicholas	46	13,195	.72	7.26	175.6	46.33
Wyoming	1,982	8,699	.28	4.94	104.5	18.18
Campbell	1,691	8,677	.27	4.83	104.6	18.16
Converse	291	8,828	.32	5.60	103.6	18.30
Detroit Edison Co River Rouge	968	11,753	.59	9.50	150.6	35.41
Kentucky	62	12,795	.80	8.07	194.5	49.77
Martin	41	12,739	.78	7.83	207.1	52.77
Pike	21	12,905	.85	8.54	170.1	43.91
West Virginia	697	12,570	.68	11.04	156.1	39.24
Logan	464	12,440	.64	11.70	157.9	39.28
Mingo	185	12,742	.75	10.29	146.1	37.24
Nicholas	48	13,172	.79	7.55	177.1	46.66
Wyoming	209	8,720	.24	4.80	105.3	18.37
Campbell	175	8,699	.23	4.70	105.5	18.36
Converse	34	8,829	.31	5.32	104.4	18.43
Detroit Edison Co St Clair	4,439	9,664	.52	4.51	144.9	28.00
Montana	3,809	9,509	.35	4.07	148.3	28.21
Big Horn	3,809	9,509	.35	4.07	148.3	28.21
Pennsylvania	295	12,626	2.96	9.34	132.8	33.55
Clarion	295	12,626	2.96	9.34	132.8	33.55
Wyoming	335	8,820	.35	5.27	117.6	20.74
Campbell	111	8,813	.39	5.11	118.4	20.88
Converse	224	8,823	.33	5.34	117.2	20.68
Detroit Edison Co Trenton Channel	1,200	11,371	.59	5.96	161.8	36.80
Kentucky	381	12,783	.78	8.14	191.3	48.90
Letcher	21	12,783	.78	8.61	145.5	37.21
Martin	231	12,590	.81	8.52	210.2	52.93
Pike	129	13,129	.71	7.38	166.0	43.58
Montana	540	9,397	.34	3.89	113.3	21.29
Big Horn	540	9,397	.34	3.89	113.3	21.29
Pennsylvania	16	13,332	1.36	5.90	175.2	46.72
Greene	16	13,332	1.36	5.90	175.2	46.72
West Virginia	263	13,261	.81	7.08	190.5	50.53
Boone	145	13,557	.88	5.43	207.0	56.14
Logan	41	12,583	.73	11.63	155.5	39.14
Mingo	19	12,769	.79	9.34	150.2	38.36
Nicholas	58	13,162	.71	7.24	184.4	48.54
Duke Power Co Allen	877	12,503	1.07	11.47	187.4	46.85
Virginia	877	12,503	1.07	11.47	187.4	46.85
Wise	877	12,503	1.07	11.47	187.4	46.85
Duke Power Co Belews Creek	4,388	12,429	.90	9.58	172.1	42.78
Kentucky	3,401	12,388	.90	9.26	177.2	43.90
Bell	158	12,522	.95	8.77	165.2	41.36
Martin	2,825	12,356	.88	9.21	178.5	44.12
Pike	418	12,558	.98	9.75	172.5	43.32
Virginia	470	12,668	1.00	10.84	176.1	44.62
Wise	470	12,668	1.00	10.84	176.1	44.62
West Virginia	517	12,477	.82	10.56	135.4	33.79
Mingo	499	12,481	.82	10.65	135.4	33.79
Wayne	18	12,369	.85	8.15	137.2	33.93

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, 1992 (Continued)

Electric Utility Origin State County	Quantity (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)
Duke Power Co Buck	261	12,367	1.01	10.29	159.5	39.46
Kentucky	144	12,377	.92	9.64	167.4	41.44
Bell	6	12,736	1.02	8.60	157.5	40.12
Harlan	25	12,439	.91	10.26	153.6	38.20
Martin	98	12,340	.92	9.29	173.8	42.89
Pike	15	12,368	.91	11.33	153.0	37.85
Tennessee	27	12,334	1.30	10.30	149.9	36.97
Campbell	18	12,150	1.39	11.31	147.4	35.82
Claiborne	9	12,703	1.12	8.30	154.5	39.25
Virginia	38	12,406	1.20	11.35	148.1	36.75
Dickenson	2	12,747	2.13	11.00	149.2	38.04
Wise	36	12,387	1.15	11.37	148.1	36.68
West Virginia	52	12,328	.96	11.28	151.1	37.25
Mingo	52	12,328	.96	11.28	151.1	37.25
Duke Power Co Cliffside	814	12,672	.98	8.74	174.4	44.20
Kentucky	748	12,624	.98	8.75	178.4	45.03
Harlan	615	12,635	.97	8.49	187.6	47.40
Johnson	2	11,477	.75	14.40	145.6	33.42
Knott	7	12,787	.88	8.10	147.9	37.82
Letcher	18	12,537	.90	9.90	134.7	33.77
Perry	46	12,541	.91	9.21	143.4	35.97
Pike	60	12,618	1.13	10.62	128.3	32.38
Virginia	66	13,212	1.01	8.61	131.5	34.74
Dickenson	25	12,663	.86	10.62	130.2	32.99
Lee	13	13,586	1.23	7.46	132.9	36.10
Wise	28	13,529	1.04	7.35	131.9	35.68
Duke Power Co Dan River	246	12,460	.96	10.10	152.0	37.87
Kentucky	95	12,520	.85	9.00	157.2	39.37
Harlan	25	12,677	.86	9.05	147.7	37.44
Letcher	1	11,870	1.00	13.10	149.9	35.59
Martin	40	12,479	.92	8.90	171.9	42.90
Pike	29	12,465	.74	8.94	145.6	36.30
Virginia	90	12,569	1.12	10.56	147.3	37.02
Buchanan	11	12,989	1.18	9.00	146.5	38.06
Wise	79	12,510	1.12	10.78	147.4	36.88
West Virginia	61	12,206	.86	11.15	150.7	36.80
Mingo	61	12,206	.86	11.15	150.7	36.80
Duke Power Co Lee	218	12,287	.75	9.15	155.2	38.15
Kentucky	214	12,284	.74	9.09	155.3	38.14
Breathitt	26	12,375	.87	8.50	152.6	37.77
Harlan	4	12,302	.98	8.80	152.7	37.57
Johnson	1	11,807	.80	13.70	151.6	35.80
Knott	37	12,645	.86	8.19	155.3	39.26
Pike	146	12,179	.69	9.41	155.8	37.96
Virginia	4	12,470	.83	12.00	153.4	38.26
Dickenson	4	12,470	.83	12.00	153.4	38.26
Duke Power Co Marshall	3,624	12,527	1.00	10.43	172.3	43.17
Kentucky	1,091	12,495	.94	9.16	155.1	38.76
Bell	52	12,457	1.09	9.89	148.1	36.89
Breathitt	57	12,059	.96	9.41	144.2	34.78
Harlan	461	12,482	.99	9.45	169.7	42.37
Knott	9	12,192	1.11	11.20	147.2	35.89
Letcher	81	12,408	.91	9.84	145.9	36.21
Martin	264	12,425	.84	8.88	144.0	35.78
Owsley	8	12,058	1.25	8.66	131.5	31.71
Perry	80	13,051	.90	7.13	144.3	37.66
Pike	79	12,746	.87	8.91	143.4	36.56
Virginia	2,227	12,517	1.05	11.23	185.5	46.43
Wise	2,227	12,517	1.05	11.23	185.5	46.43
West Virginia	306	12,712	.84	9.20	138.2	35.13
Mingo	297	12,720	.84	9.25	138.2	35.15
Wayne	9	12,432	.79	7.60	139.1	34.59
Duke Power Co Riverbend	318	12,700	1.07	9.08	163.2	41.46

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Duke Power Co Riverbend						
Kentucky	318	12,700	1.07	9.08	163.2	41.46
Harlan	235	12,740	1.09	8.88	169.8	43.26
Knott	14	12,622	.84	8.45	148.0	37.36
Letcher	9	12,495	.98	10.10	149.7	37.41
Perry	45	12,514	.92	9.50	142.8	35.75
Pike	15	12,830	1.36	10.80	142.4	36.54
Duquesne Light Co Cheswick	1,320	12,975	1.75	9.39	128.1	33.23
Pennsylvania	975	13,047	1.82	8.89	127.9	33.36
Allegheny	261	12,832	1.19	8.83	135.7	34.83
Armstrong	10	12,998	2.01	11.35	107.4	27.92
Fayette	121	12,854	1.16	9.46	133.5	34.32
Greene	551	13,181	2.27	8.82	123.6	32.59
Washington	32	13,235	1.51	7.64	123.6	32.70
West Virginia	345	12,771	1.56	10.79	128.7	32.87
Fayette	148	12,937	1.10	9.77	130.8	33.85
Monongalia	197	12,647	1.91	11.55	127.0	32.13
Duquesne Light Co Elrama	1,104	12,330	1.68	12.33	173.0	42.66
Pennsylvania	1,029	12,320	1.68	12.42	176.2	43.41
Allegheny	239	12,108	1.91	12.31	115.7	29.03
Beaver	53	12,323	2.25	12.42	98.0	24.15
Fayette	145	12,126	2.28	12.79	97.9	23.75
Greene	592	12,453	1.39	12.38	225.5	56.16
West Virginia	75	12,470	1.61	11.07	129.5	32.29
Monongalia	75	12,470	1.61	11.07	129.5	32.29
East Kentucky Power Coop Inc Cooper	732	12,361	1.62	10.09	113.1	27.95
Kentucky	700	12,339	1.60	10.08	113.5	28.01
Clay	114	12,677	1.45	8.35	109.9	27.86
Jackson	8	11,566	2.19	11.96	103.4	23.92
Laurel	13	11,985	1.41	11.32	90.1	21.60
Leslie	46	12,661	1.95	9.16	110.9	28.08
McCreary	25	13,250	.99	5.17	106.9	28.34
Perry	48	12,456	1.30	9.06	107.0	26.66
Pulaski	394	12,198	1.65	11.03	118.0	28.80
Whitley	34	12,131	1.62	9.95	107.1	25.98
Wolfe	18	11,876	1.98	10.58	105.5	25.06
Tennessee	32	12,837	2.02	10.31	103.8	26.64
Morgan	32	12,835	2.03	10.36	103.7	26.62
Scott	*	13,099	.82	4.80	109.6	28.71
East Kentucky Power Coop Inc Dale	287	12,385	.84	8.22	106.8	26.47
Kentucky	287	12,385	.84	8.22	106.8	26.47
Breathitt	101	11,957	.80	9.77	106.0	25.35
Perry	81	12,613	.82	8.43	107.1	27.02
Wolfe	105	12,620	.89	6.56	107.4	27.11
East Kentucky Power Coop Inc Spurlock	1,542	12,273	1.35	10.74	116.7	28.64
Kentucky	726	12,126	1.46	10.50	116.1	28.16
Boyd	205	12,666	.80	9.21	116.1	29.40
Floyd	159	11,980	1.45	11.26	122.1	29.26
Greenup	215	11,493	2.50	11.69	110.2	25.34
Johnson	3	11,205	2.47	12.70	100.4	22.50
Knott	121	12,617	.70	9.31	121.3	30.60
Martin	11	11,583	.80	11.73	106.5	24.68
Perry	3	11,758	1.84	15.00	76.7	18.04
Wolfe	9	11,995	2.16	10.27	100.4	24.08
Pennsylvania	33	12,939	2.52	8.02	101.0	26.13
Greene	19	13,273	2.26	6.94	98.9	26.26
Washington	14	12,487	2.87	9.49	103.9	25.96
West Virginia	783	12,382	1.20	11.08	117.9	29.19
Fayette	356	12,556	1.76	12.50	122.8	30.83
Harrison	13	12,330	2.67	12.48	101.6	25.06
Kanawha	27	12,293	.69	11.91	109.5	26.92
Logan	100	12,159	.67	11.07	115.2	28.01
Mingo	140	12,175	.66	9.56	114.3	27.84
Monongalia	3	11,295	1.86	15.70	96.2	21.73
Wayne	144	12,350	.63	8.66	114.2	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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Electric Energy Inc Joppa	3,108	10,915	1.66	7.21	104.3	22.77
Illinois	2,129	11,898	2.22	8.16	108.2	25.75
Franklin	431	11,703	1.79	7.60	107.9	25.26
Perry	401	11,023	3.01	9.36	99.5	21.93
Saline	1,283	12,241	2.11	7.93	110.7	27.11
Williamson	13	11,448	2.76	11.51	108.0	24.73
Indiana	40	11,230	1.93	7.68	121.7	27.33
Gibson	28	11,226	1.81	7.70	109.1	24.49
Pike	12	11,239	1.97	7.65	149.7	33.65
Wyoming	939	8,673	.38	5.03	91.2	15.82
Campbell	939	8,673	.38	5.03	91.2	15.82
Empire District Electric Co Riverton	269	10,041	1.18	6.55	112.7	22.64
Kansas	90	12,529	3.14	10.53	120.4	30.17
Crawford	90	12,529	3.14	10.53	120.4	30.17
Wyoming	180	8,802	.20	4.57	107.3	18.89
Campbell	180	8,802	.20	4.57	107.3	18.89
Empire District Electric Co Asbury	848	9,031	.44	5.10	94.5	17.06
Kansas	57	12,172	3.71	12.40	122.6	29.85
Crawford	57	12,172	3.71	12.40	122.6	29.85
Wyoming	791	8,803	.20	4.57	91.6	16.14
Campbell	791	8,803	.20	4.57	91.6	16.14
Florida Power Corp Crystal River	3,903	12,663	.82	8.71	185.0	46.85
Kentucky	3,058	12,746	.85	8.40	174.1	44.38
Breathitt	10	12,223	1.05	10.42	162.0	39.61
Floyd	87	12,679	.75	8.50	174.9	44.36
Harlan	1,024	12,401	1.09	9.87	176.7	43.82
Knott	403	12,583	.74	9.30	169.3	42.60
Letcher	1,287	13,041	.72	7.09	173.9	45.36
Perry	27	12,672	.91	9.03	168.1	42.61
Pike	220	12,979	.64	7.41	173.4	45.01
Virginia	845	12,362	.72	9.82	225.6	55.78
Lee	845	12,362	.72	9.82	225.6	55.78
Florida Power Corp IMT Transfer	1,379	12,452	.85	9.11	169.6	42.23
Kentucky	1,183	12,423	.86	8.98	170.0	42.23
Boyd	308	12,528	1.00	9.77	159.4	39.95
Breathitt	249	12,213	1.08	9.37	177.6	43.38
Knott	41	12,227	.92	10.23	175.3	42.87
Martin	537	12,475	.67	8.12	174.0	43.41
Pike	48	12,411	1.02	10.42	149.7	37.15
West Virginia	196	12,633	.80	9.90	167.1	42.23
Boone	118	12,598	.68	9.88	173.9	43.82
Kanawha	78	12,687	.99	9.92	157.0	39.83
Florida Power Corp TTI Transfer	316	12,338	.93	7.89	140.8	34.74
Kentucky	316	12,338	.93	7.89	140.8	34.74
Breathitt	292	12,287	.95	7.94	141.2	34.70
Knott	7	12,559	.91	10.52	131.9	33.14
Pike	17	13,113	.63	6.08	137.5	36.06
Fremont City of Wright	180	9,140	.38	5.16	98.3	17.96
Colorado	*	11,308	.40	8.60	158.8	35.91
Routt	*	11,308	.40	8.60	158.8	35.91
Wyoming	179	9,135	.38	5.16	98.1	17.92
Campbell	148	8,703	.32	4.87	84.3	14.67
Carbon	31	11,247	.62	6.45	151.0	33.97
Unknown	1	8,297	.38	8.10	36.2	6.01
Gainesville Regional Util Deerhaven	523	13,193	.68	7.37	173.1	45.67
Kentucky	486	13,207	.68	7.27	172.9	45.66
Letcher	17	12,873	.70	7.40	181.1	46.63
Pike	469	13,220	.67	7.27	172.6	45.63
Virginia	37	12,999	.70	8.63	176.0	45.77
Unknown	37	12,999	.70	8.63	176.0	45.77
Georgia Power Co Arkwright	30	12,951	1.69	9.61	190.4	49.32

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Georgia Power Co Arkwright						
Virginia	30	12,951	1.69	9.61	190.4	49.32
Wise	30	12,951	1.69	9.61	190.4	49.32
Georgia Power Co Atkinson-Mcdonoug	1,383	11,877	1.88	9.59	162.9	38.70
Illinois	34	11,259	2.86	9.48	208.9	47.05
Franklin	34	11,259	2.86	9.48	208.9	47.05
Indiana	555	11,294	2.51	8.13	138.4	31.26
Pike	555	11,294	2.51	8.13	138.4	31.26
Kentucky	607	12,243	1.38	10.48	174.8	42.79
Leslie	170	12,642	1.30	9.59	174.7	44.18
Perry	434	12,103	1.42	10.74	174.9	42.33
Pike	3	9,595	.81	24.70	154.6	29.67
Virginia	187	12,537	1.42	11.07	183.3	45.96
Lee	159	12,439	1.38	11.33	185.3	46.09
Wise	28	13,097	1.69	9.55	172.7	45.24
Georgia Power Co Bowen	8,082	12,186	1.54	10.47	162.0	39.47
Illinois	82	11,793	2.49	7.67	215.8	50.90
Franklin	82	11,793	2.49	7.67	215.8	50.90
Kentucky	8,000	12,190	1.53	10.50	161.4	39.36
Bell	947	12,095	1.36	11.13	181.4	43.88
Clay	229	12,560	1.21	9.75	158.6	39.85
Hopkins	1,357	11,737	3.01	10.15	169.6	39.80
Knott	760	12,082	1.36	11.55	156.9	37.90
Leslie	2,713	12,325	1.28	10.48	158.9	39.17
Letcher	104	12,402	1.39	11.19	174.8	43.36
Perry	1,890	12,354	1.03	10.08	151.1	37.34
Georgia Power Co Hammond	803	12,971	1.66	9.86	174.9	45.36
Kentucky	5	12,594	1.04	9.01	152.0	38.29
Leslie	5	12,594	1.04	9.01	152.0	38.29
Virginia	798	12,973	1.67	9.86	175.0	45.40
Lee	137	12,722	1.39	10.60	179.5	45.68
Wise	661	13,025	1.72	9.71	174.1	45.35
Georgia Power Co Harlee Branch	3,137	12,368	1.30	9.97	166.0	41.06
Kentucky	2,851	12,373	1.33	9.86	166.2	41.13
Bell	348	12,056	1.39	11.12	199.0	47.99
Breathitt	277	12,087	1.08	9.17	147.8	35.72
Floyd	54	12,557	.89	8.07	146.0	36.67
Harlan	292	12,197	1.19	9.49	140.6	34.31
Knott	568	12,656	1.55	10.32	173.9	44.02
Leslie	127	12,371	1.29	10.13	171.5	42.43
Letcher	257	12,370	1.38	11.43	171.0	42.31
Perry	493	12,148	1.08	10.26	148.8	36.15
Pike	434	12,794	1.59	7.68	175.9	45.02
Virginia	94	12,557	1.33	11.18	195.8	49.18
Lee	83	12,498	1.30	11.44	197.1	49.27
Wise	11	13,027	1.59	9.05	186.3	48.54
West Virginia	193	12,191	.87	10.96	148.3	36.16
Boone	183	12,154	.87	11.06	148.0	35.97
Mingo	10	12,852	.75	9.14	154.1	39.61
Georgia Power Co Mitchell	154	12,697	1.32	8.82	185.6	47.13
Kentucky	154	12,697	1.32	8.82	185.6	47.13
Clay	10	12,083	1.41	10.98	198.2	47.90
Leslie	35	12,483	1.30	10.16	209.5	52.31
Perry	110	12,819	1.32	8.21	177.1	45.42
Georgia Power Co Scherer	2,810	12,466	.67	10.34	217.7	54.28
Kentucky	204	12,349	.61	10.30	167.1	41.28
Pike	204	12,349	.61	10.30	167.1	41.28
Virginia	603	13,316	.75	7.81	183.4	48.83
Wise	603	13,316	.75	7.81	183.4	48.83
West Virginia	2,002	12,222	.65	11.11	234.2	57.25
Mingo	2,002	12,222	.65	11.11	234.2	57.25
Georgia Power Co Wansley	4,719	11,192	2.65	10.36	202.8	45.39

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Georgia Power Co Wansley						
Alabama	54	12,172	1.99	12.11	135.7	33.03
Fayette	54	12,172	1.99	12.11	135.7	33.03
Illinois	4,378	11,269	2.79	9.40	207.8	46.83
Franklin	3,224	11,409	2.67	8.94	213.9	48.81
Perry	1,077	10,879	3.11	10.77	194.0	42.21
Randolph	77	10,862	2.95	9.50	131.0	28.45
Kentucky	49	9,657	.68	23.87	147.9	28.57
Perry	3	8,980	.60	28.04	146.6	26.33
Pike	46	9,699	.68	23.61	148.0	28.71
West Virginia	227	9,918	.73	25.85	127.8	25.36
Fayette	53	10,504	.73	22.68	138.7	29.14
Kanawha	133	9,822	.78	26.71	125.3	24.62
Logan	41	9,476	.56	27.12	120.8	22.89
Wyoming	11	8,777	.38	4.59	127.5	22.38
Campbell	11	8,777	.38	4.59	127.5	22.38
Georgia Power Co Yates	1,576	11,965	1.99	10.70	190.3	45.54
Alabama	44	12,106	2.14	12.24	135.4	32.77
Fayette	44	12,106	2.14	12.24	135.4	32.77
Illinois	644	11,273	2.79	9.36	207.7	46.82
Franklin	470	11,423	2.67	8.90	213.7	48.81
Perry	164	10,867	3.09	10.67	194.3	42.23
Randolph	10	10,866	2.94	9.31	130.9	28.50
Kentucky	15	10,138	1.05	21.87	152.1	30.84
Harlan	3	12,493	2.37	9.43	148.5	37.10
Pike	13	9,637	.77	24.52	153.1	29.51
Virginia	843	12,596	1.44	10.91	183.5	46.21
Lee	632	12,458	1.39	11.30	187.2	46.65
Wise	210	13,009	1.60	9.71	172.6	44.91
West Virginia	30	9,875	.72	25.67	130.5	25.77
Fayette	9	10,323	.79	22.32	147.7	30.50
Kanawha	13	9,821	.77	26.91	124.5	24.45
Logan	8	9,485	.56	27.19	120.7	22.90
Wyoming	*	8,777	.38	4.59	127.5	22.38
Campbell	*	8,777	.38	4.59	127.5	22.38
Grand Haven City of J B Simms	205	11,019	2.46	10.07	150.3	33.12
Indiana	205	11,019	2.46	10.07	150.3	33.12
Sullivan	205	11,019	2.46	10.07	150.3	33.12
Grand Island City of Platte	275	8,391	.31	5.62	71.0	11.92
Wyoming	275	8,391	.31	5.62	71.0	11.92
Campbell	275	8,391	.31	5.62	71.0	11.92
Grand River Dam Authority GRDA 1	3,593	8,586	.46	5.01	91.0	15.62
Oklahoma	122	13,104	4.15	8.50	101.4	26.57
Nowata	122	13,104	4.15	8.50	101.4	26.57
Wyoming	3,471	8,426	.33	4.89	90.4	15.24
Campbell	3,471	8,426	.33	4.89	90.4	15.24
Gulf Power Co Crist	2,077	11,945	2.71	8.53	172.2	41.13
Alabama	72	12,060	2.75	12.94	120.6	29.09
Walker	72	12,060	2.75	12.94	120.6	29.09
Illinois	1,780	11,926	2.70	8.37	180.8	43.12
Franklin	497	11,734	2.64	8.28	116.5	27.34
Gallatin	1,068	12,016	2.74	8.55	222.2	53.39
Saline	214	11,922	2.65	7.70	119.7	28.53
Kentucky	226	12,062	2.73	8.38	121.4	29.28
Ohio	10	11,687	2.83	7.80	117.7	27.51
Union	216	12,079	2.72	8.40	121.5	29.36
Gulf Power Co Scholtz	32	12,192	3.06	8.84	148.7	36.27
Kentucky	32	12,192	3.06	8.84	148.7	36.27
Hopkins	24	11,967	3.09	9.21	150.6	36.05
Webster	8	12,895	2.97	7.70	143.3	36.96
Gulf Power Co Smith	885	11,996	2.80	8.45	221.9	53.23

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Gulf Power Co Smith						
Illinois	878	11,996	2.80	8.46	222.5	53.39
Franklin	19	11,723	2.66	8.08	128.8	30.20
Gallatin	860	12,002	2.81	8.47	224.5	53.89
Kentucky	6	11,982	2.54	7.10	129.5	31.03
Union	6	11,982	2.54	7.10	129.5	31.03
Gulf States Utilities Co Nelson	2,249	8,706	.45	5.86	160.9	28.02
Wyoming	2,249	8,706	.45	5.86	160.9	28.02
Campbell	2,249	8,706	.45	5.86	160.9	28.02
Hamilton City of Hamilton	26	12,515	.71	8.25	146.6	36.71
West Virginia	26	12,515	.71	8.25	146.6	36.71
Fayette	26	12,515	.71	8.25	146.6	36.71
Hastings City of Hastings	161	8,727	.28	4.66	86.3	15.07
Wyoming	161	8,727	.28	4.66	86.3	15.07
Campbell	161	8,727	.28	4.66	86.3	15.07
Holland City of James De Young	153	13,011	.82	6.31	175.0	45.54
Kentucky	153	13,011	.82	6.31	175.0	45.54
Magoffin	153	13,011	.82	6.31	175.0	45.54
Holyoke Water Power Co Mount Tom	363	13,224	1.33	6.31	168.8	44.65
Pennsylvania	355	13,234	1.34	6.26	168.2	44.51
Greene	232	13,161	1.46	6.18	169.5	44.62
Washington	123	13,371	1.13	6.41	165.7	44.31
West Virginia	8	12,800	.80	8.50	198.2	50.74
Mingo	8	12,800	.80	8.50	198.2	50.74
Hoosier Energy R E C Inc Merom	2,426	11,042	3.47	11.39	122.5	27.05
Indiana	2,426	11,042	3.47	11.39	122.5	27.05
Clay	983	10,917	3.86	11.37	168.1	36.71
Daviess	243	10,965	3.50	11.78	85.5	18.76
Greene	85	11,531	2.71	8.73	112.4	25.91
Knox	11	11,129	3.52	11.60	79.8	17.76
Pike	371	11,259	4.22	11.96	100.5	22.64
Sullivan	733	11,068	2.65	11.31	87.4	19.35
Hoosier Energy R E C Inc Frank E Ratts	635	11,240	2.72	9.08	136.8	30.74
Indiana	635	11,240	2.72	9.08	136.8	30.74
Pike	635	11,240	2.72	9.08	136.8	30.74
Houston Lighting & Power Co Limestone	7,156	6,513	1.23	17.77	165.3	21.54
Texas	7,156	6,513	1.23	17.77	165.3	21.54
Freestone	7,156	6,513	1.23	17.77	165.3	21.54
Houston Lighting & Power Co Parish	9,540	8,490	.38	5.07	224.4	38.10
Wyoming	9,540	8,490	.38	5.07	224.4	38.10
Campbell	9,540	8,490	.38	5.07	224.4	38.10
Illinois Power Co Baldwin	4,310	10,792	2.91	10.25	137.1	29.60
Illinois	4,216	10,834	2.97	10.37	137.5	29.80
Perry	2,066	10,874	2.98	10.24	136.4	29.66
Randolph	1,227	10,799	2.95	10.49	138.5	29.92
Washington	923	10,792	2.95	10.48	138.8	29.95
Wyoming	93	8,858	.24	4.86	115.8	20.52
Campbell	93	8,858	.24	4.86	115.8	20.52
Illinois Power Co Havana	386	12,335	.60	8.39	150.0	37.00
Colorado	32	12,099	.52	8.60	130.8	31.66
Gunnison	32	12,099	.52	8.60	130.8	31.66
Kentucky	218	12,733	.70	8.22	165.1	42.04
Letcher	197	12,795	.71	8.09	168.5	43.13
Martin	12	12,208	.69	9.10	130.0	31.74
Perry	9	12,047	.65	10.00	130.3	31.40
Utah	125	11,736	.43	8.43	127.6	29.94
Carbon	125	11,736	.43	8.43	127.6	29.94

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Illinois Power Co Havana						
West Virginia	11	11,978	0.64	10.67	138.9	33.28
Logan	3	11,410	.65	10.30	152.0	34.70
Mingo	8	12,184	.63	10.80	134.4	32.76
Illinois Power Co Hennepin	422	10,699	2.92	10.61	148.9	31.86
Illinois	422	10,699	2.92	10.61	148.9	31.86
Randolph	234	10,703	2.92	10.62	148.5	31.78
Washington	188	10,693	2.93	10.59	149.5	31.97
Illinois Power Co Vermillion	323	10,887	2.31	10.31	126.3	27.51
Indiana	323	10,887	2.31	10.31	126.3	27.51
Clay	137	11,065	2.20	9.54	128.2	28.36
Owen	162	10,750	2.43	10.91	123.8	26.61
Vermillion	25	10,797	2.12	10.58	132.6	28.63
Illinois Power Co Wood River	705	12,333	.72	8.58	144.0	35.52
Colorado	9	11,062	.46	9.90	123.0	27.21
Routt	9	11,062	.46	9.90	123.0	27.21
Illinois	241	12,093	.82	5.23	153.8	37.21
Jefferson	235	12,110	.81	5.12	154.4	37.39
Saline	6	11,433	1.06	9.40	132.7	30.35
Utah	114	11,749	.44	7.89	114.4	26.89
Carbon	114	11,749	.44	7.89	114.4	26.89
West Virginia	341	12,730	.76	11.14	146.9	37.41
Boone	46	11,960	.96	12.06	133.1	31.85
Kanawha	295	12,850	.73	10.99	149.0	38.28
Independence City of Blue Valley	44	12,114	3.23	10.39	127.9	30.99
Illinois	19	11,925	2.63	8.17	129.9	30.98
Saline	19	11,925	2.63	8.17	129.9	30.98
Kansas	25	12,255	3.68	12.05	126.5	30.99
Crawford	25	12,255	3.68	12.05	126.5	30.99
Indiana Michigan Power Co Tanners Creek	1,323	11,609	1.88	9.22	154.1	35.78
Indiana	499	11,163	2.44	8.38	143.7	32.08
Warrick	499	11,163	2.44	8.38	143.7	32.08
Kentucky	823	11,879	1.53	9.73	160.0	38.01
Hopkins	373	11,549	2.55	8.25	131.9	30.46
Unknown	450	12,154	.69	10.95	182.2	44.29
Indiana Michigan Power Co Rockport	9,275	8,611	.32	4.88	113.0	19.47
Wyoming	9,275	8,611	.32	4.88	113.0	19.47
Campbell	9,274	8,611	.32	4.88	113.0	19.47
Converse	1	8,711	.34	6.20	111.4	19.41
Indiana-Kentucky Electric Corp Clifty Creek	3,765	11,205	2.90	10.01	109.3	24.50
Indiana	306	10,892	3.23	10.34	94.6	20.61
Pike	61	11,483	3.45	8.29	98.3	22.54
Spencer	91	10,818	2.98	11.05	89.3	19.33
Warrick	154	10,710	3.29	10.74	96.2	20.61
Kentucky	2,987	11,419	3.26	10.77	106.5	24.32
Christian	121	11,319	3.08	10.27	101.4	22.97
Daviess	856	11,223	3.25	10.26	113.2	25.42
Hopkins	1,454	11,498	3.47	11.95	105.2	24.18
Letcher	44	13,037	1.47	6.14	124.0	32.33
McLean	61	11,688	3.01	11.44	101.2	23.66
Ohio	451	11,372	2.85	8.41	98.2	22.34
Virginia	112	13,888	.73	5.28	160.0	44.44
Buchanan	112	13,888	.73	5.28	160.0	44.44
Wyoming	360	8,859	.27	4.89	130.5	23.12
Campbell	64	8,837	.33	4.82	126.1	22.29
Converse	296	8,864	.26	4.90	131.4	23.29
Indianapolis Power & Light Co Stout	1,069	11,213	1.60	8.06	128.0	28.70
Indiana	1,069	11,213	1.60	8.06	128.0	28.70
Clay	297	11,273	1.56	7.04	115.9	26.14
Greene	534	11,287	1.43	7.94	120.2	27.14
Sullivan	238	10,973	2.02	9.59	161.4	35.42

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Indianapolis Power & Light Co Petersburg	4,655	11,172	2.57	8.42	99.5	22.23
Indiana	4,655	11,172	2.57	8.42	99.5	22.23
Daviess	926	11,460	2.17	7.79	99.9	22.90
Greene	72	11,276	2.40	9.69	126.1	28.44
Knox	148	11,041	1.12	8.65	113.3	25.02
Pike	741	11,256	2.43	8.05	97.1	21.86
Sullivan	199	10,991	2.01	9.26	157.3	34.57
Warrick	2,569	11,063	2.89	8.63	94.0	20.80
Indianapolis Power & Light Co Pritchard	358	11,376	1.07	6.79	121.9	27.73
Indiana	358	11,376	1.07	6.79	121.9	27.73
Greene	297	11,445	1.10	6.40	119.1	27.26
Knox	61	11,040	.95	8.69	136.1	30.04
Interstate Power Co Dubuque	90	11,038	3.00	9.31	200.0	44.15
Illinois	90	11,038	3.00	9.31	200.0	44.15
Randolph	90	11,038	3.00	9.31	200.0	44.15
Interstate Power Co Lansing	590	8,340	.34	4.62	237.4	39.60
Illinois	34	11,642	1.51	7.50	191.1	44.48
Randolph	34	11,642	1.51	7.50	191.1	44.48
Wyoming	556	8,340	.34	4.62	237.4	39.60
Campbell	556	8,340	.34	4.62	237.4	39.60
Interstate Power Co Kapp	501	11,381	2.02	7.98	134.9	30.13
Illinois	250	11,593	2.03	7.62	141.3	32.76
Perry	250	11,593	2.03	7.62	141.3	32.76
Indiana	251	11,170	2.02	8.35	134.9	30.13
Pike	251	11,170	2.02	8.35	134.9	30.13
Iowa Electric Light & Power Prairie Creek 1-4	439	9,763	1.47	7.15	129.1	25.21
Illinois	153	11,605	2.08	7.90	136.6	31.72
Franklin	153	11,605	2.08	7.90	136.6	31.72
Iowa	55	9,811	4.37	13.56	172.4	33.84
Marion	55	9,811	4.37	13.56	172.4	33.84
Wyoming	231	8,531	.38	5.12	110.4	18.84
Campbell	231	8,531	.38	5.12	110.4	18.84
Iowa Electric Light & Power 6th St	25	11,614	2.05	7.82	136.7	31.75
Illinois	25	11,614	2.05	7.82	136.7	31.75
Franklin	25	11,614	2.05	7.82	136.7	31.75
Iowa Electric Light & Power Sutherland	145	8,605	.38	5.07	96.0	16.30
Iowa	12	9,847	4.33	13.61	162.3	31.96
Marion	12	9,847	4.33	13.61	162.3	31.96
Wyoming	133	8,493	.38	5.07	96.0	16.30
Campbell	133	8,493	.38	5.07	96.0	16.30
Iowa Southern Utilities Co Ottumwa	1,838	8,376	.32	5.54	110.6	18.52
Wyoming	1,838	8,376	.32	5.54	110.6	18.52
Campbell	1,838	8,376	.32	5.54	110.6	18.52
Iowa Southern Utilities Co Burlington	476	9,489	1.95	7.86	104.0	19.74
Indiana	179	11,439	3.09	8.94	123.3	28.20
Perry	3	10,149	1.19	11.85	84.9	17.23
Warrick	175	11,464	3.13	8.88	123.9	28.42
Wyoming	297	8,316	1.27	7.21	88.1	14.65
Campbell	297	8,316	1.27	7.21	88.1	14.65
Iowa-Illinois Gas&Electric Co Riverside	281	11,162	1.85	7.93	110.9	24.76
Illinois	237	11,686	2.12	8.28	109.6	25.62
Franklin	237	11,686	2.12	8.28	109.6	25.62
Wyoming	44	8,338	.40	6.05	120.7	20.12
Campbell	44	8,338	.40	6.05	120.7	20.12
Iowa-Illinois Gas&Electric Co Louisa	1,800	8,394	.31	5.27	110.9	18.62
Wyoming	1,800	8,394	.31	5.27	110.9	18.62
Campbell	1,800	8,394	.31	5.27	110.9	18.62
Jacksonville Electric Auth St. Johns River	3,624	12,329	.93	8.57	163.2	40.25

See footnotes 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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Jacksonville Electric Auth St. Johns River						
Kentucky	1,563	12,831	1.18	8.43	160.2	41.11
Harlan	1,421	12,840	1.20	8.35	163.0	41.86
Leslie	114	12,840	1.04	9.12	124.2	31.90
Perry	28	12,353	.91	9.60	164.1	40.54
West Virginia	642	12,063	.82	12.58	199.9	48.22
Logan	642	12,063	.82	12.58	199.9	48.22
Imported	1,419	11,897	.71	6.91	150.0	35.70
Imported Coal	1,419	11,897	.71	6.91	150.0	35.70
Jamestown City of Samuel A Carlson	114	12,656	1.79	10.36	132.6	33.56
Pennsylvania	114	12,656	1.79	10.36	132.6	33.56
Armstrong	21	12,637	2.10	11.17	132.2	33.40
Eutler	9	12,748	1.92	8.50	133.6	34.06
Clarion	57	12,617	1.81	10.41	133.3	33.65
Elk	20	12,797	1.37	9.58	130.9	33.51
Jefferson	7	12,506	1.68	12.30	131.3	32.84
Kansas City City of Quindaro	355	11,100	1.49	9.41	186.6	41.43
Illinois	192	11,720	2.43	10.05	231.3	54.21
Williamson	192	11,720	2.43	10.05	231.3	54.21
Wyoming	164	10,373	.40	8.86	127.5	26.46
Carbon	164	10,373	.40	8.86	127.5	26.46
Kansas City City of Kaw	138	10,366	.38	9.10	127.4	26.41
Wyoming	138	10,366	.38	9.10	127.4	26.41
Carbon	138	10,366	.38	9.10	127.4	26.41
Kansas City City of Nearman	960	8,312	.34	4.87	97.8	16.26
Wyoming	960	8,312	.34	4.87	97.8	16.26
Campbell	894	8,297	.34	4.82	98.1	16.28
Hot Springs	66	8,516	.31	5.48	94.3	16.06
Kansas City Power & Light Co Hawthorne	1,259	8,857	.20	4.60	94.4	16.72
Wyoming	1,259	8,857	.20	4.60	94.4	16.72
Campbell	1,259	8,857	.20	4.60	94.4	16.72
Kansas City Power & Light Co Iatan	2,365	8,786	.38	5.09	85.0	14.93
Wyoming	2,365	8,786	.38	5.09	85.0	14.93
Campbell	2,365	8,786	.38	5.09	85.0	14.93
Kansas City Power & Light Co La Cygne	3,306	9,035	.75	5.58	92.7	16.75
Illinois	576	11,233	2.60	8.82	123.6	29.12
Franklin	169	11,822	1.83	7.34	131.5	30.56
Perry	397	11,060	3.02	9.42	128.7	28.46
Saline	10	11,535	2.60	10.50	133.0	30.68
Missouri	48	11,812	3.60	11.90	118.3	27.95
Barton	48	11,812	3.60	11.90	118.3	27.95
Wyoming	2,682	8,514	.30	4.77	81.6	13.89
Campbell	2,682	8,514	.30	4.77	81.6	13.89
Kansas City Power & Light Co Montrose	1,431	8,655	.34	5.13	97.0	16.80
Wyoming	1,431	8,655	.34	5.13	97.0	16.80
Campbell	839	8,548	.36	5.05	100.6	17.20
Converse	592	8,807	.30	5.25	92.1	16.23
Kentucky Power Co Big Sandy	2,517	12,042	1.04	11.05	117.3	28.25
Kentucky	2,479	12,042	1.05	11.05	117.6	28.32
Floyd	1,212	12,050	.97	11.24	120.6	29.06
Johnson	313	11,989	1.21	10.62	131.2	31.45
Knott	29	11,769	1.04	11.37	99.6	23.45
Letcher	170	12,391	1.10	10.60	105.3	26.10
Magoffin	285	11,937	1.03	10.90	113.6	27.12
Martin	269	12,042	1.28	10.88	108.3	26.08
Perry	24	11,721	1.04	11.66	100.0	23.44
Pike	176	11,997	.89	11.27	110.9	26.60
West Virginia	38	12,069	.78	11.59	99.9	24.11
Mingo	26	12,069	.78	11.59	99.9	24.11
Wayne	13	12,069	.78	11.59	99.9	24.11

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Origin State County	Plant	Quantity (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)
Kentucky Utilities Co	Green River	304	11,886	2.33	8.08	109.0	25.91
Kentucky		304	11,886	2.33	8.08	109.0	25.91
Hopkins		304	11,886	2.33	8.08	109.0	25.91
Kentucky Utilities Co	Brown	1,002	12,149	1.98	11.94	112.6	27.36
Kentucky		547	11,908	1.46	12.58	112.2	26.71
Perry		482	11,900	1.28	12.72	112.4	26.76
Whitley		50	11,945	3.00	12.15	110.2	26.33
Wolfe		16	12,025	2.26	9.56	110.3	26.54
Tennessee		455	12,440	2.60	11.17	113.1	28.14
Anderson		413	12,441	2.58	11.14	113.3	28.19
Campbell		33	12,244	2.78	11.84	111.3	27.26
Morgan		8	13,198	2.80	10.10	110.7	29.22
Scott		*	12,000	1.50	12.00	114.5	27.48
Kentucky Utilities Co	Ghent	4,595	11,995	1.34	9.60	117.6	28.20
Indiana		513	11,071	2.74	9.92	97.5	21.59
Spencer		347	11,023	2.66	9.89	95.7	21.09
Warrick		166	11,170	2.92	9.96	101.3	22.64
Kentucky		2,664	11,997	1.43	8.94	116.4	27.92
Floyd		334	12,114	.64	10.90	115.3	27.92
Harlan		726	12,522	.67	8.40	132.3	33.13
Henderson		720	11,190	2.61	8.23	96.9	21.69
Knott		308	12,443	.68	9.50	130.9	32.57
Letcher		135	12,784	.70	8.38	127.5	32.61
Magoffin		36	12,041	.64	10.47	113.9	27.43
Ohio		282	11,629	2.90	8.40	101.7	23.66
Perry		122	12,152	.61	10.66	109.8	26.68
West Virginia		1,418	12,325	.66	10.72	126.3	31.13
Boone		75	12,087	.63	12.20	136.5	33.00
Kanawha		147	12,551	.66	10.66	113.6	28.52
Logan		833	12,320	.66	11.01	133.4	32.87
Mingo		328	12,305	.65	9.69	112.8	27.77
Wayne		35	12,190	.60	10.47	115.4	28.12
Kentucky Utilities Co	Tyrone	31	12,178	.92	10.73	115.1	28.03
Kentucky		31	12,178	.92	10.73	115.1	28.03
Knott		10	12,141	.94	10.82	110.8	26.90
Perry		21	12,197	.90	10.68	117.2	28.59
Lakeland City of	Plant 3-McIntosh	818	12,999	1.04	7.71	165.0	42.90
Kentucky		818	12,999	1.04	7.71	165.0	42.90
Harlan		397	13,244	.95	6.69	165.0	43.70
Leslie		390	12,837	1.14	8.35	165.5	42.48
Perry		19	11,992	.92	12.90	157.4	37.75
Pike		12	11,796	.86	12.10	162.7	38.38
Lansing City of	Eckert	463	12,908	.87	7.31	190.2	49.10
Kentucky		427	12,892	.88	7.32	192.4	49.60
Letcher		19	13,041	.91	7.55	166.3	43.38
Pike		408	12,885	.87	7.31	193.6	49.88
West Virginia		36	13,096	.80	7.17	164.8	43.17
Boone		10	13,136	.76	7.65	165.2	43.39
Logan		21	13,168	.77	6.36	165.0	43.44
Nicholas		5	12,736	1.00	9.46	163.6	41.67
Lansing City of	Erickson	426	12,945	.85	7.05	177.6	45.98
Kentucky		362	12,938	.85	6.83	180.3	46.65
Letcher		65	12,876	.89	7.37	166.9	42.97
Pike		297	12,952	.84	6.71	183.2	47.46
West Virginia		64	12,981	.83	8.35	162.6	42.20
Boone		20	13,038	.79	8.42	166.4	43.39
Logan		26	12,992	.80	7.68	160.4	41.67
Nicholas		19	12,905	.94	9.20	161.5	41.68
Los Angeles City of	Intermountain	4,278	11,854	.45	8.44	149.3	35.39
Utah		4,278	11,854	.45	8.44	149.3	35.39
Carbon		3,525	11,798	.44	8.46	151.0	35.62
Emery		487	12,356	.53	8.50	130.5	32.24
Sevier		267	11,688	.38	8.10	162.9	38.08

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Louisville Gas & Electric Co Cane Run	809	11,542	2.94	9.39	109.1	25.18
Indiana	198	11,356	3.15	8.36	91.0	20.68
Daviess	14	11,049	2.63	8.29	111.8	24.71
Gibson	29	11,127	2.79	9.28	108.4	24.12
Pike	132	11,494	3.36	8.03	81.7	18.77
Warrick	22	11,041	2.75	9.14	112.2	24.77
Kentucky	611	11,602	2.88	9.73	114.8	26.64
Daviess	28	11,051	2.63	8.29	111.8	24.71
Henderson	18	11,629	2.71	8.11	127.3	29.60
Hopkins	508	11,646	2.90	9.97	114.8	26.73
Ohio	32	11,444	3.01	8.17	108.5	24.84
Perry	17	11,321	2.54	9.45	120.6	27.30
Webster	8	11,967	2.86	10.08	112.7	26.97
Louisville Gas & Electric Co MHI Creek	3,353	11,537	2.86	9.82	111.4	25.70
Indiana	478	11,083	2.78	9.16	100.1	22.19
Daviess	46	11,045	2.61	8.33	105.9	23.39
Gibson	311	11,140	2.78	9.21	100.1	22.30
Spencer	2	10,687	2.97	10.90	77.7	16.61
Warrick	120	10,955	2.87	9.35	98.1	21.50
Kentucky	2,875	11,612	2.87	9.69	113.2	26.29
Daviess	101	11,031	2.61	8.48	106.0	23.39
Henderson	189	11,347	2.61	8.25	114.7	26.02
Hopkins	2,341	11,660	2.90	9.95	114.2	26.64
Ohio	134	11,444	3.01	8.24	100.6	23.03
Perry	23	11,077	2.63	9.51	114.9	25.46
Webster	88	11,974	2.89	9.50	108.4	25.95
Louisville Gas & Electric Co Trimble County	1,317	11,368	3.06	9.04	101.6	23.10
Indiana	639	11,362	3.08	8.73	97.7	22.20
Daviess	44	11,150	2.68	8.56	105.7	23.58
Gibson	274	11,248	2.87	9.39	99.9	22.48
Pike	285	11,549	3.38	8.07	94.1	21.73
Warrick	36	11,011	2.75	9.12	100.7	22.17
Kentucky	679	11,374	3.03	9.34	105.2	23.94
Daviess	89	11,141	2.68	8.59	105.8	23.57
Henderson	237	11,039	3.18	10.38	107.7	23.78
Muhlenberg	6	11,656	2.76	9.30	102.9	23.99
Ohio	252	11,531	3.08	8.52	100.8	23.24
Perry	8	11,283	2.69	9.40	115.4	26.04
Webster	87	12,055	2.90	9.67	110.3	26.58
Lower Colorado River Authority S Seymour-Fayette	5,227	8,598	.41	5.47	135.2	23.25
Texas	180	6,678	1.47	11.72	160.2	21.40
Bastrop	180	6,678	1.47	11.72	160.2	21.40
Wyoming	5,047	8,667	.37	5.24	134.5	23.32
Campbell	5,047	8,667	.37	5.24	134.5	23.32
Madison Gas & Electric Co Blount	18	11,848	2.08	8.18	165.7	39.26
Illinois	18	11,848	2.08	8.18	165.7	39.26
Saline	18	11,848	2.08	8.18	165.7	39.26
Manitowoc Public Utilities Manitowoc	138	13,101	.85	6.71	174.4	45.69
Illinois	8	11,336	1.70	12.20	128.4	29.11
Jefferson	8	11,336	1.70	12.20	128.4	29.11
Indiana	8	11,786	.65	5.81	152.0	35.83
Clay	8	11,786	.65	5.81	152.0	35.83
Kentucky	122	13,309	.81	6.41	178.3	47.47
Floyd	14	13,573	.80	6.27	171.1	46.45
Knott	23	13,048	.88	7.14	175.4	45.77
Martin	23	12,758	.67	6.65	174.3	44.47
Perry	52	13,536	.82	6.15	182.3	49.34
Pike	9	13,671	.93	5.55	184.2	50.36
Marquette City of Shiras	134	9,259	.42	6.57	178.1	32.98
Montana	123	8,999	.40	6.35	179.0	32.21
Big Horn	93	8,998	.40	6.35	179.0	32.21
Rosebud	31	9,000	.40	6.35	178.9	32.21

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Marquette City of Shiras						
Pennsylvania	10	12,345	0.65	9.18	170.5	42.09
Indiana	5	12,287	.64	9.01	171.3	42.10
Unknown	5	12,401	.65	9.34	169.7	42.09
Metropolitan Edison Co Portland	723	13,188	1.70	6.97	140.6	37.08
Pennsylvania	536	13,167	1.65	6.80	138.7	36.53
Armstrong	15	12,889	1.65	9.29	146.0	37.64
Clarion	24	12,838	2.17	8.68	138.7	35.49
Greene	497	13,191	1.63	6.63	139.5	36.55
West Virginia	187	13,250	1.84	7.45	145.9	38.66
Barbour	57	13,100	1.70	7.42	166.3	43.57
Monongalia	129	13,317	1.90	7.46	137.0	36.50
Metropolitan Edison Co Titus	387	13,305	1.47	6.55	149.6	39.82
Pennsylvania	387	13,305	1.47	6.55	149.6	39.82
Greene	380	13,305	1.46	6.56	150.2	39.96
Washington	7	13,317	1.63	5.85	121.0	32.23
Michigan South Central Pwr Agcy Endicott	40	12,003	3.35	8.29	223.3	53.60
Ohio	40	12,003	3.35	8.29	223.3	53.60
Holmes	40	12,003	3.35	8.29	223.3	53.60
Midwest Power Council Bluffs	2,859	8,267	.37	4.63	89.0	14.72
Wyoming	2,859	8,267	.37	4.63	89.0	14.72
Campbell	2,859	8,267	.37	4.63	89.0	14.72
Midwest Power George Neal 1/4	5,119	8,733	.37	5.74	85.0	14.85
Wyoming	5,119	8,733	.37	5.74	85.0	14.85
Campbell	4,454	8,483	.37	5.26	77.9	13.21
Carbon	665	10,409	.41	8.98	124.0	25.81
Minnesota Power & Light Co Boswell Energy Cen	3,199	8,971	.53	6.81	119.3	21.40
Montana	2,901	9,005	.55	6.98	121.4	21.86
Big Horn	903	9,378	.34	3.82	124.4	23.34
Rosebud	1,997	8,836	.65	8.41	119.9	21.19
Wyoming	298	8,638	.35	5.19	98.1	16.94
Campbell	298	8,638	.35	5.19	98.1	16.94
Minnesota Power & Light Co Laskin Energy Cen	65	8,854	.65	8.21	92.1	16.31
Montana	65	8,854	.65	8.21	92.1	16.31
Rosebud	65	8,854	.65	8.21	92.1	16.31
Minnkota Power Coop Inc Young	4,184	6,831	.86	7.58	48.9	6.69
North Dakota	4,184	6,831	.86	7.58	48.9	6.69
Oliver	4,184	6,831	.86	7.58	48.9	6.69
Mississippi Power Co Daniel	964	12,369	.66	6.79	166.9	41.29
Kentucky	811	12,988	.73	7.22	170.0	44.15
Knott	567	12,988	.73	7.22	170.0	44.15
Letcher	243	12,988	.73	7.22	170.0	44.15
Montana	82	9,383	.30	4.15	136.0	25.51
Big Horn	82	9,383	.30	4.15	136.0	25.51
Wyoming	71	8,760	.34	4.92	153.0	26.81
Campbell	71	8,760	.34	4.92	153.0	26.81
Mississippi Power Co Watson	1,487	12,665	2.70	8.64	132.4	33.53
Illinois	1,239	12,757	2.74	8.75	132.7	33.86
Gallatin	1,239	12,757	2.74	8.75	132.7	33.86
Kentucky	248	12,208	2.50	8.08	130.5	31.87
Greenup	26	12,047	1.85	8.28	140.0	33.73
Hopkins	143	12,102	2.66	8.51	129.3	31.30
Pike	19	12,090	1.62	8.06	141.9	34.31
Union	60	12,568	2.69	6.98	125.8	31.63
Missouri Public Service Comm Sibley	985	11,097	2.63	9.29	133.7	29.68
Colorado	9	10,964	1.21	4.07	141.0	30.92
Moffat	9	10,964	1.21	4.07	141.0	30.92

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Missouri Public Service Comm Sibley						
Illinois	929	11,131	2.75	9.45	134.1	29.85
Franklin	148	11,759	2.15	8.23	107.7	25.33
Perry	306	10,935	2.92	10.28	125.0	27.33
Randolph	476	11,062	2.83	9.30	148.6	32.87
Saline	*	11,875	2.60	7.50	106.0	25.17
Utah	27	11,606	.45	8.29	138.9	32.25
Carbon	27	11,606	.45	8.29	138.9	32.25
Wyoming	19	8,763	.46	5.39	96.0	16.82
Campbell	19	8,763	.46	5.39	96.0	16.82
Monongahela Power Co Albright	502	12,341	1.54	12.88	100.8	24.89
Maryland	19	12,897	1.57	11.49	108.1	27.89
Garrett	19	12,897	1.57	11.49	108.1	27.89
Pennsylvania	93	12,247	1.61	13.14	97.5	23.88
Butler	24	12,274	1.78	12.95	96.0	23.57
Fayette	68	12,238	1.55	13.20	98.0	23.99
West Virginia	390	12,336	1.53	12.88	101.3	24.98
Preston	373	12,341	1.52	12.87	101.2	24.99
Taylor	17	12,234	1.59	13.20	101.6	24.85
Monongahela Power Co Ft Martin	2,478	12,719	1.79	10.50	145.4	36.98
Kentucky	501	12,526	.83	8.86	185.5	46.48
Martin	501	12,526	.83	8.86	185.5	46.48
Maryland	453	12,814	1.59	12.22	127.3	32.64
Garrett	453	12,814	1.59	12.22	127.3	32.64
West Virginia	1,524	12,754	2.15	10.53	137.8	35.15
Monongalia	1,524	12,754	2.15	10.53	137.8	35.15
Monongahela Power Co Harrison	4,619	13,158	3.05	7.77	141.4	37.22
West Virginia	4,619	13,158	3.05	7.77	141.4	37.22
Barbour	52	13,127	2.99	8.39	104.4	27.40
Harrison	3,646	13,131	3.13	7.89	147.3	38.68
Monongalia	695	13,296	2.63	6.94	127.5	33.91
Upshur	226	13,189	3.02	8.32	99.2	26.16
Monongahela Power Co Pleasants	3,657	12,491	3.45	10.82	102.4	25.57
Ohio	1,240	12,591	4.05	9.57	92.4	23.28
Belmont	1,203	12,609	4.05	9.49	92.6	23.34
Jefferson	38	12,030	3.98	12.28	88.3	21.25
Pennsylvania	1,013	12,590	2.90	11.34	112.4	28.30
Greene	837	12,681	2.77	11.13	117.4	29.79
Washington	175	12,155	3.57	12.33	87.2	21.19
West Virginia	1,405	12,332	3.33	11.54	103.9	25.63
Barbour	338	12,282	2.65	13.33	117.6	28.88
Fayette	17	12,265	1.67	13.30	89.6	21.98
Harrison	242	12,540	3.27	11.08	131.7	33.02
Marion	87	12,090	3.45	12.93	86.4	20.89
Marshall	528	12,284	4.00	11.16	89.2	21.93
Monongalia	41	13,044	2.81	7.64	114.0	29.73
Ohio	151	12,235	2.87	9.71	87.8	21.48
Monongahela Power Co Rivesville	68	12,181	.97	11.08	120.8	29.42
Pennsylvania	56	12,178	.96	10.66	119.8	29.17
Fayette	56	12,178	.96	10.66	119.8	29.17
West Virginia	12	12,194	1.01	13.02	125.5	30.60
Fayette	*	12,146	.59	9.90	123.0	29.88
Nicholas	2	12,129	1.15	11.44	119.1	28.90
Preston	5	12,403	.97	12.50	125.0	31.01
Randolph	5	12,011	1.04	14.30	128.3	30.82
Monongahela Power Co Willow Island	261	12,488	1.62	11.39	115.6	28.88
Kentucky	24	12,132	1.43	11.11	115.1	27.93
Floyd	24	12,132	1.43	11.11	115.1	27.93
Ohio	6	11,623	1.72	7.10	95.7	22.25
Guernsey	6	11,623	1.72	7.10	95.7	22.25
Pennsylvania	66	13,176	1.47	7.06	113.9	30.03
Greene	45	13,134	1.61	7.35	112.8	29.63
Washington	21	13,267	1.18	6.45	116.4	30.88

See footnotes 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, 1992 (Continued)

Electric Utility Origin State County	Plant	Quantity (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)
Monongahela Power Co	Willow Island						
West Virginia		167	12,297	1.70	13.27	117.0	28.79
Barbour		167	12,297	1.70	13.27	117.0	28.79
Montana Power Co	Colstrip	9,934	8,596	.66	8.98	70.4	12.10
Montana		9,934	8,596	.66	8.98	70.4	12.10
Rosebud		9,934	8,596	.66	8.98	70.4	12.10
Montana Power Co	Corette	749	8,782	.63	8.11	69.1	12.13
Montana		749	8,782	.63	8.11	69.1	12.13
Rosebud		749	8,782	.63	8.11	69.1	12.13
Montana-Dakota Utilities Co	Coyote	2,151	6,931	1.06	8.12	74.3	10.30
North Dakota		2,151	6,931	1.06	8.12	74.3	10.30
Mercer		958	6,948	1.04	7.98	74.0	10.29
Oliver		1,194	6,917	1.08	8.23	74.5	10.30
Montana-Dakota Utilities Co	Heskett	345	7,009	.82	8.53	105.3	14.76
North Dakota		345	7,009	.82	8.53	105.3	14.76
Mercer		138	7,046	.79	8.23	104.8	14.76
Oliver		206	6,985	.83	8.73	105.6	14.75
Montana-Dakota Utilities Co	Lewis and Clark	177	6,542	.51	9.04	107.8	14.10
Montana		177	6,542	.51	9.04	107.8	14.10
Richland		177	6,542	.51	9.04	107.8	14.10
Montaup Electric Co	Somerset	413	12,917	1.03	7.93	176.4	45.58
Virginia		413	12,917	1.03	7.93	176.4	45.58
Buchanan		413	12,917	1.03	7.93	176.4	45.58
Muscatine City of	Muscatine	559	10,974	3.06	8.14	220.0	48.29
Illinois		536	11,078	3.16	8.25	223.9	49.60
Perry		248	10,952	3.16	10.00	208.9	45.76
Schuyler		288	11,186	3.16	6.74	236.4	52.90
Wyoming		22	8,491	.59	5.51	100.0	16.98
Campbell		22	8,491	.59	5.51	100.0	16.98
Nebraska Public Power District	Gerald Gentleman	3,256	8,778	.37	5.04	83.9	14.73
Wyoming		3,256	8,778	.37	5.04	83.9	14.73
Campbell		3,183	8,777	.37	5.03	84.2	14.76
Converse		73	8,816	.32	5.40	71.7	12.64
Nebraska Public Power District	Sheldon	558	8,779	.38	5.04	78.1	13.71
Wyoming		558	8,779	.38	5.04	78.1	13.71
Campbell		558	8,779	.38	5.04	78.1	13.71
Nevada Power Co	Gardner	1,372	12,058	.50	9.11	185.1	44.64
Colorado		168	11,753	.50	9.28	215.3	50.60
Gunnison		168	11,753	.50	9.28	215.3	50.60
Utah		1,203	12,100	.50	9.09	181.0	43.81
Carbon		1,203	12,100	.50	9.09	181.0	43.81
New England Power Co	Brayton	2,547	13,049	1.09	8.32	168.3	43.94
Kentucky		10	12,934	.63	6.47	170.9	44.21
Martin		10	12,938	.63	6.45	170.7	44.17
Pike		*	12,732	.75	7.44	181.4	46.19
Virginia		198	13,030	1.12	7.64	173.1	45.11
Wise		198	13,030	1.12	7.64	173.1	45.11
West Virginia		2,210	13,032	1.11	8.45	168.1	43.81
Barbour		721	13,041	1.18	8.15	166.8	43.50
Grant		547	13,110	1.40	9.33	163.7	42.92
Greenbrier		12	12,607	.93	11.53	171.7	43.29
Kanawha		40	12,640	.62	7.60	162.1	40.98
Logan		81	12,194	.68	11.75	171.4	41.79
McDowell		5	12,819	.80	9.87	167.1	42.84
Mingo		779	13,091	.91	7.78	172.4	45.14
Randolph		25	12,834	1.12	7.54	165.5	42.48

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
New England Power Co Brayton						
Imported	129	13,375	0.75	7.32	165.2	44.18
Imported Coal	129	13,375	.75	7.32	165.2	44.18
New England Power Co Salem Harbor	871	13,140	1.41	9.04	166.3	43.70
Pennsylvania	40	13,193	1.26	6.80	162.3	42.82
Washington	40	13,193	1.26	6.80	162.3	42.82
West Virginia	763	13,130	1.46	9.47	167.0	43.86
Grant	763	13,130	1.46	9.47	167.0	43.86
Imported	68	13,221	.98	5.47	160.0	42.32
Imported Coal	68	13,221	.98	5.47	160.0	42.32
New York State Elec & Gas Corp Goudey	337	13,116	1.83	7.48	138.4	36.30
Pennsylvania	266	13,085	1.73	7.85	140.3	36.71
Armstrong	26	12,872	1.85	9.69	141.9	36.54
Clarion	64	12,830	1.97	8.67	134.2	34.45
Clearfield	8	12,277	2.19	14.30	144.4	35.44
Greene	100	13,249	1.65	6.96	142.1	37.65
Jefferson	7	12,821	2.27	12.20	146.8	37.64
Washington	60	13,319	1.44	6.24	141.5	37.69
West Virginia	71	13,231	2.17	6.11	131.3	34.75
Monongalia	71	13,231	2.17	6.11	131.3	34.75
New York State Elec & Gas Corp Greenidge	510	12,808	2.04	8.98	137.6	35.24
Pennsylvania	391	12,661	1.94	9.81	139.8	35.39
Armstrong	12	12,735	1.68	9.41	143.6	36.57
Clarion	84	12,717	2.07	8.75	134.9	34.31
Clearfield	130	12,128	1.94	13.09	144.3	35.01
Elk	4	11,993	2.27	13.63	143.2	34.34
Greene	94	13,209	2.04	7.06	135.7	35.85
Jefferson	16	12,997	1.90	8.95	145.8	37.90
Washington	50	12,845	1.83	8.30	141.4	36.32
West Virginia	119	13,290	2.36	6.27	130.6	34.72
Monongalia	119	13,290	2.36	6.27	130.6	34.72
New York State Elec & Gas Corp Hickling	327	10,720	1.31	21.28	130.1	27.90
Maryland	6	11,208	1.59	14.70	134.1	30.06
Allegany	6	11,208	1.59	14.70	134.1	30.06
Pennsylvania	321	10,711	1.31	21.41	130.1	27.86
Armstrong	61	10,605	1.80	22.83	126.5	26.83
Cambria	10	10,390	1.34	24.77	122.5	25.45
Centre	11	10,703	1.47	18.12	130.6	27.96
Clearfield	41	10,633	1.58	17.59	127.8	27.18
Clinton	36	10,695	.64	22.32	139.2	29.77
Fayette	9	10,887	1.41	14.93	134.5	29.28
Jefferson	11	10,555	1.63	17.74	129.8	27.40
Lycoming	114	10,984	.99	22.56	131.2	28.82
Somerset	28	10,097	1.74	21.74	125.4	25.33
Sullivan	*	10,189	.52	24.03	121.4	24.74
New York State Elec & Gas Corp Jennison	250	10,753	1.14	21.72	148.6	31.96
Maryland	12	11,101	1.59	17.62	147.7	32.79
Allegany	12	11,101	1.59	17.62	147.7	32.79
Pennsylvania	238	10,736	1.12	21.93	148.6	31.91
Armstrong	14	10,933	1.62	22.27	144.6	31.61
Centre	42	10,639	1.06	20.76	143.4	30.51
Clarion	3	10,935	1.54	16.68	144.4	31.58
Clearfield	53	10,319	1.38	22.97	139.2	28.72
Clinton	4	11,071	1.38	21.68	160.6	35.56
Fayette	1	10,903	.71	10.38	157.9	34.44
Huntingdon	5	10,972	1.59	17.71	147.0	32.26
Jefferson	1	11,590	1.22	15.00	136.4	31.62
Lycoming	94	11,153	.95	21.66	159.0	35.46
Somerset	4	11,114	1.53	18.76	148.9	33.10
Sullivan	7	9,582	.55	24.80	125.5	24.08
Unknown	9	9,130	.48	28.92	131.1	23.94
New York State Elec & Gas Corp Kintigh	2,080	13,147	1.77	6.66	140.4	36.90

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
New York State Elec & Gas Corp Kintigh						
Pennsylvania	1,462	13,151	1.54	6.23	141.3	37.16
Clearfield	4	12,442	2.34	13.10	164.7	40.98
Greene	1,458	13,153	1.54	6.22	141.2	37.15
West Virginia	617	13,138	2.30	7.68	138.1	36.29
Marion	87	13,173	2.57	7.77	141.3	37.22
Monongalia	530	13,132	2.25	7.67	137.6	36.14
New York State Elec & Gas Corp Milliken	855	12,946	1.94	8.32	139.7	36.18
Pennsylvania	713	12,869	1.88	8.74	141.4	36.40
Armstrong	15	12,457	1.81	11.22	133.4	33.23
Cambria	31	12,329	2.05	12.74	142.5	35.13
Clearfield	86	12,372	2.04	12.61	143.1	35.42
Greene	425	13,115	1.83	6.95	140.7	36.89
Indiana	58	12,289	2.00	11.58	140.9	34.63
Jefferson	81	12,770	1.91	10.39	144.9	37.01
Washington	15	13,087	1.33	6.48	142.5	37.30
West Virginia	142	13,334	2.26	6.22	131.5	35.08
Monongalia	142	13,334	2.26	6.22	131.5	35.08
Niagara-Mohawk Power Corp Dunkirk	1,531	13,178	2.06	6.96	136.0	35.84
Pennsylvania	1,117	13,101	1.96	7.19	137.6	36.05
Armstrong	62	12,996	1.80	7.27	146.9	38.18
Clarion	302	12,686	2.06	8.59	143.6	36.44
Greene	483	13,281	1.75	6.42	140.8	37.41
Indiana	39	13,260	2.37	7.11	134.1	35.56
Mercer	71	13,143	2.46	7.08	129.3	33.98
Washington	160	13,323	2.10	6.87	117.9	31.42
West Virginia	414	13,385	2.36	6.34	131.8	35.27
Marion	16	13,550	2.65	7.19	139.0	37.67
Monongalia	398	13,379	2.35	6.31	131.5	35.18
Niagara-Mohawk Power Corp Huntley	2,009	13,183	1.72	6.99	147.6	38.91
Pennsylvania	1,772	13,163	1.72	7.03	147.3	38.77
Armstrong	211	12,955	1.69	7.82	149.4	38.70
Clarion	37	12,695	1.88	8.69	145.2	36.86
Greene	675	13,252	1.61	6.51	148.6	39.38
Indiana	331	13,173	1.88	6.89	140.6	37.03
Jefferson	42	13,084	1.37	8.80	139.3	36.46
Mercer	165	12,913	1.77	8.37	159.4	41.16
Washington	309	13,302	1.77	6.63	145.1	38.61
West Virginia	238	13,326	1.79	6.70	149.7	39.91
Monongalia	238	13,326	1.79	6.70	149.7	39.91
Northern Indiana Pub Serv Co Bailly	1,415	11,105	2.86	9.81	134.4	29.84
Illinois	1,347	11,103	2.97	9.98	131.7	29.25
Franklin	193	11,679	2.31	8.03	111.6	26.06
Perry	1,094	10,961	3.11	10.43	137.1	30.05
Saline	60	11,828	2.62	8.02	105.8	25.02
Wyoming	68	11,154	.61	6.57	186.2	41.53
Carbon	68	11,154	.61	6.57	186.2	41.53
Northern Indiana Pub Serv Co Michigan City	1,022	11,232	2.41	8.34	135.9	30.54
Illinois	472	11,198	2.97	9.67	128.0	28.67
Perry	366	10,987	3.07	10.31	135.3	29.72
Saline	106	11,929	2.61	7.46	104.9	25.02
Indiana	255	11,543	3.52	8.20	108.7	25.09
Pike	255	11,543	3.52	8.20	108.7	25.09
Virginia	20	13,835	.72	6.00	175.0	48.42
Juchanan	20	13,835	.72	6.00	175.0	48.42
Wyoming	276	10,815	.56	6.34	173.3	37.49
Campbell	40	8,584	.30	4.70	100.2	17.21
Carbon	235	11,199	.60	6.63	183.0	40.99
Northern Indiana Pub Serv Co Mitchell	1,079	9,969	.44	5.94	123.5	24.63
Kentucky	10	12,693	.61	8.90	162.9	41.35
Pike	10	12,693	.61	8.90	162.9	41.35

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Northern Indiana Pub Serv Co Mitchell						
West Virginia	318	13,106	0.68	7.76	158.2	41.46
Mingo	318	13,106	.68	7.76	158.2	41.46
Wyoming	751	8,609	.34	5.13	100.5	17.30
Campbell	365	8,514	.34	4.92	100.7	17.14
Converse	386	8,698	.33	5.34	100.3	17.44
Northern Indiana Pub Serv Co Rollin Schahfer	3,543	11,211	1.67	8.81	155.2	34.81
Colorado	773	11,305	.42	8.28	154.1	34.84
Delta	622	11,298	.40	8.11	154.8	34.97
Gunnison	75	11,883	.47	9.19	150.5	35.78
Moffat	54	10,576	.48	8.28	153.0	32.36
Routt	21	11,302	.41	9.80	150.8	34.09
Illinois	1,613	11,103	3.01	10.52	134.4	29.84
Perry	1,312	10,949	3.12	10.65	139.2	30.49
Saline	301	11,771	2.50	9.96	114.8	27.03
Indiana	13	11,546	2.39	7.05	135.3	31.23
Daviess	13	11,546	2.39	7.05	135.3	31.23
Kentucky	36	12,777	.74	8.38	164.9	42.15
Letcher	36	12,777	.74	8.38	164.9	42.15
West Virginia	52	12,992	.72	7.64	165.7	43.06
Boone	18	13,240	.78	6.20	164.7	43.61
Logan	27	12,909	.70	8.50	167.2	43.17
Mingo	7	12,681	.63	8.10	162.8	41.29
Wyoming	1,055	11,163	.60	6.67	187.0	41.75
Carbon	1,055	11,163	.60	6.67	187.0	41.75
Northern States Power Co Black Dog	725	8,836	.28	5.12	114.3	20.20
Wyoming	725	8,836	.28	5.12	114.3	20.20
Campbell	269	8,836	.21	4.75	106.4	18.80
Converse	456	8,836	.32	5.34	119.0	21.03
Northern States Power Co High Bridge	468	8,780	.22	4.58	112.7	19.79
Wyoming	468	8,780	.22	4.58	112.7	19.79
Campbell	468	8,780	.22	4.58	112.7	19.79
Northern States Power Co King	1,567	8,828	.33	5.77	113.3	20.00
Montana	314	8,764	.62	9.05	101.5	17.79
Big Horn	314	8,764	.62	9.05	101.5	17.79
Wyoming	1,252	8,844	.25	4.95	116.2	20.56
Campbell	734	8,840	.21	4.67	109.2	19.30
Converse	518	8,850	.31	5.35	126.2	22.34
Northern States Power Co Riverside	829	8,772	.22	4.56	114.3	20.06
Wyoming	829	8,772	.22	4.56	114.3	20.06
Campbell	829	8,772	.22	4.56	114.3	20.06
Northern States Power Co Sherburne County	8,098	8,759	.48	7.09	120.0	21.03
Montana	4,525	8,738	.65	8.94	123.2	21.53
Big Horn	2,896	8,757	.62	9.06	110.2	19.30
Rosebud	1,629	8,705	.71	8.73	146.5	25.51
Wyoming	3,572	8,786	.26	4.75	116.0	20.38
Campbell	3,572	8,786	.26	4.75	116.0	20.38
Ohio Edison Co Burger	1,208	11,913	3.24	10.88	109.2	26.01
Kentucky	41	12,143	.84	10.37	130.5	31.69
Martin	41	12,143	.84	10.37	130.5	31.69
Ohio	964	12,135	3.62	11.27	104.4	25.35
Belmont	225	12,265	3.74	10.11	90.1	22.11
Harrison	120	12,345	3.33	9.80	111.4	27.49
Jefferson	619	12,046	3.63	11.97	108.4	26.11
Pennsylvania	128	12,070	2.83	11.73	129.8	31.32
Washington	128	12,070	2.83	11.73	129.8	31.32
Wyoming	61	8,449	.35	5.48	120.1	20.29
Campbell	49	8,456	.35	5.24	118.4	20.02
Converse	13	8,418	.37	6.40	126.7	21.33
Imported	13	9,587	.14	1.20	166.9	32.00
Imported Coal	13	9,587	.14	1.20	166.9	32.00
Ohio Edison Co Edgewater	166	11,965	1.55	10.52	136.0	32.55

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Ohio Edison Co Edgewater						
Ohio	166	11,965	1.55	10.52	136.0	32.55
Carroll	12	11,805	.64	10.89	144.8	34.18
Columbiana	57	12,235	1.76	10.61	133.8	32.74
Guernsey	41	12,013	1.62	9.71	136.3	32.75
Jefferson	17	12,056	1.43	10.33	140.0	33.75
Tuscarawas	39	11,531	1.48	11.22	134.5	31.01
Ohio Edison Co Niles	517	12,006	2.74	10.83	109.2	26.21
Ohio	337	12,001	2.72	10.55	111.3	26.72
Carroll	45	12,041	2.56	10.59	117.0	28.17
Columbiana	108	12,054	2.51	10.51	110.3	26.60
Jefferson	146	12,028	2.89	10.82	110.6	26.59
Stark	2	11,643	2.66	11.67	100.9	23.49
Tuscarawas	36	11,701	2.89	9.46	110.7	25.91
Pennsylvania	181	12,015	2.77	11.33	105.2	25.27
Beaver	42	11,930	2.76	12.80	106.5	25.40
Butler	85	11,976	2.78	11.19	104.7	25.07
Clarion	1	11,139	1.96	11.70	103.2	22.99
Lawrence	46	12,135	2.78	10.64	105.9	25.70
Mercer	8	12,306	2.80	9.07	99.5	24.50
Ohio Edison Co Sammis	5,531	12,343	1.67	10.52	132.3	32.65
Kentucky	668	12,091	.86	10.57	125.6	30.37
Floyd	157	11,955	.84	10.99	114.2	27.32
Lawrence	72	11,889	.93	10.32	113.9	27.08
Martin	440	12,172	.86	10.47	131.5	32.00
Ohio	1,452	12,147	2.65	10.78	124.0	30.14
Belmont	3	12,154	3.37	10.60	98.7	23.99
Carroll	443	12,114	2.55	10.32	112.4	27.24
Harrison	399	12,343	3.37	10.82	106.2	26.22
Jefferson	607	12,042	2.25	11.09	144.7	34.86
Pennsylvania	1,707	12,532	1.80	10.36	141.6	35.49
Greene	1,505	12,602	1.71	10.16	141.2	35.59
Washington	176	11,998	2.37	11.93	151.3	36.31
Westmoreland	26	12,104	2.56	11.65	99.6	24.10
West Virginia	1,703	12,418	1.04	10.42	132.3	32.85
Fayette	47	12,679	.82	9.20	111.8	28.35
Kanawha	976	12,394	.75	10.44	132.8	32.93
Lincoln	103	12,006	.81	10.72	113.7	27.31
Logan	14	12,124	.65	11.20	111.4	27.01
Mingo	3	11,579	1.01	11.17	115.3	26.70
Monongalia	4	11,876	2.92	12.10	102.7	24.39
Nicholas	79	12,102	.90	11.93	112.1	27.13
Preston	475	12,602	1.72	10.16	141.2	35.59
Ohio Edison Co Toronto	340	11,932	3.44	12.35	104.8	25.01
Ohio	337	11,927	3.44	12.38	104.9	25.02
Belmont	10	12,152	3.50	11.29	98.7	24.00
Carroll	82	12,071	2.77	11.24	112.5	27.17
Columbiana	5	12,081	3.60	11.24	93.5	22.60
Harrison	46	12,049	3.50	11.90	99.1	23.89
Jefferson	191	11,825	3.72	13.07	103.6	24.51
Tuscarawas	2	11,435	3.15	11.40	104.9	23.99
Unknown	1	12,163	3.69	13.30	92.5	22.50
Pennsylvania	4	12,351	3.30	9.79	96.2	23.75
Washington	4	12,351	3.30	9.79	96.2	23.75
Ohio Power Co Gavin	5,979	11,381	3.30	12.37	166.4	37.87
Ohio	5,857	11,364	3.31	12.41	167.0	37.95
Belmont	486	11,698	2.73	12.56	155.1	36.30
Meigs	5,208	11,337	3.36	12.44	170.2	38.58
Vinton	163	11,214	3.37	11.29	100.9	22.63
West Virginia	122	12,224	2.93	10.08	140.7	34.39
Brooke	122	12,224	2.93	10.08	140.7	34.39
Ohio Power Co Kammer	1,912	12,250	4.07	12.39	118.3	28.98

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Ohio Power Co Kammer						
West Virginia	1,912	12,250	4.07	12.39	118.3	28.98
Marshall	1,912	12,250	4.07	12.39	118.3	28.98
Ohio Power Co Mitchell	1,999	12,190	1.45	14.14	166.3	40.55
West Virginia	1,999	12,190	1.45	14.14	166.3	40.55
Boone	14	12,361	.88	11.11	148.6	36.73
Clay	106	12,135	.81	12.68	144.9	35.16
Kanawha	40	12,185	.78	12.10	143.1	34.87
Marion	1,674	12,183	1.54	14.35	170.7	41.59
Monongalia	165	12,283	1.18	13.69	143.2	35.18
Ohio Power Co Muskingum	3,238	11,504	4.17	12.65	166.3	38.25
Kentucky	14	12,191	.60	11.30	150.4	36.67
Floyd	11	12,183	.60	11.30	149.3	36.38
Magoffin	1	12,222	.61	11.30	155.0	37.89
Martin	1	12,222	.61	11.30	155.0	37.89
Ohio	3,074	11,453	4.36	12.76	166.5	38.14
Muskingum	338	11,453	4.36	12.76	166.5	38.14
Noble	2,736	11,453	4.36	12.76	166.5	38.14
West Virginia	150	12,480	.64	10.39	163.5	40.81
Fayette	13	12,376	.66	9.57	146.1	36.15
Kanawha	6	12,380	.66	9.54	146.3	36.22
Logan	131	12,495	.64	10.51	166.0	41.49
Ohio Power Co Tidd	66	12,192	2.94	11.66	133.5	32.54
Ohio	66	12,194	2.94	11.65	133.4	32.54
Jefferson	66	12,194	2.94	11.65	133.4	32.54
West Virginia	1	12,000	2.50	13.00	135.4	32.50
Preston	1	12,000	2.50	13.00	135.4	32.50
Ohio Valley Electric Corp Kyger Creek	3,464	12,041	3.73	10.82	122.0	29.39
Kentucky	125	13,128	1.50	6.19	122.2	32.09
Floyd	37	12,998	1.63	6.77	118.7	30.84
Letcher	53	13,423	1.54	5.27	123.7	33.20
Pike	35	12,820	1.31	6.95	123.7	31.71
Ohio	1,097	11,569	3.65	11.01	95.9	22.20
Belmont	230	12,551	4.23	9.38	89.9	22.57
Hocking	448	11,396	3.52	11.34	97.7	22.27
Jackson	419	11,216	3.47	11.55	97.7	21.92
West Virginia	2,242	12,211	3.90	10.99	134.1	32.76
Marshall	2,192	12,192	3.95	11.08	134.4	32.77
Mingo	50	13,056	1.58	7.07	123.1	32.15
Oklahoma Gas & Electric Co Muskogee	5,127	8,789	.38	5.07	116.7	20.51
Oklahoma	44	12,717	1.53	11.03	116.8	29.70
Muskogee	44	12,717	1.53	11.03	116.8	29.70
Wyoming	5,083	8,755	.37	5.02	116.7	20.43
Campbell	5,083	8,755	.37	5.02	116.7	20.43
Oklahoma Gas & Electric Co Sooner	3,664	8,750	.42	5.13	112.2	19.63
Oklahoma	39	12,175	3.75	10.55	116.8	28.44
Rogers	39	12,175	3.75	10.55	116.8	28.44
Wyoming	3,625	8,713	.38	5.07	112.1	19.54
Campbell	3,625	8,713	.38	5.07	112.1	19.54
Omaha Public Power District Nebraska City	1,736	8,238	.37	4.76	62.1	10.24
Wyoming	1,736	8,238	.37	4.76	62.1	10.24
Campbell	1,736	8,238	.37	4.76	62.1	10.24
Omaha Public Power District North Omaha	1,592	8,300	.37	5.06	63.3	10.51
Wyoming	1,592	8,300	.37	5.06	63.3	10.51
Campbell	1,592	8,300	.37	5.06	63.3	10.51
Orange and Rockland Utils Inc Lovett	657	13,014	.55	7.28	205.4	53.45
Kentucky	315	13,046	.54	7.02	210.9	55.03
Pike	315	13,046	.54	7.02	210.9	55.03

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, 1992 (Continued)

Electric Utility Origin State County	Plant	Quantity (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)
Orange and Rockland Utils Inc	Lovett						
West Virginia		342	12,984	0.55	7.51	200.3	52.00
Mingo		342	12,984	.55	7.51	200.3	52.00
Orlando Utilities Comm	Stanton Energy	1,024	12,755	.73	8.34	190.1	48.51
Kentucky		1,024	12,755	.73	8.34	190.1	48.51
Letcher		922	12,757	.73	8.36	190.5	48.60
Perry		102	12,736	.74	8.14	187.0	47.64
Otter Tail Power Co	Big Stone	2,130	6,034	.92	9.34	113.3	13.68
North Dakota		2,130	6,034	.92	9.34	113.3	13.68
Bowman		2,130	6,034	.92	9.34	113.3	13.68
Otter Tail Power Co	Hoot Lake	123	9,337	.32	3.82	127.6	23.83
Montana		123	9,337	.32	3.82	127.6	23.83
Big Horn		123	9,337	.32	3.82	127.6	23.83
Owensboro City of	Smith	1,132	11,282	2.88	9.22	107.9	24.34
Indiana		48	11,353	2.84	8.85	94.0	21.35
Pike		15	11,432	3.08	7.90	98.8	22.59
Warrick		33	11,318	2.73	9.27	91.9	20.79
Kentucky		1,084	11,279	2.88	9.24	108.5	24.47
Daviess		819	11,166	2.82	9.20	114.7	25.62
Muhlenberg		38	11,614	2.89	8.86	100.9	23.44
Ohio		227	11,630	3.07	9.45	88.2	20.50
PacifiCorp	Carbon	593	11,985	.44	8.56	79.1	18.95
Utah		593	11,985	.44	8.56	79.1	18.95
Emery		593	11,985	.44	8.56	79.1	18.95
PacifiCorp	Centralia	5,812	8,182	.66	13.70	137.0	22.41
Montana		710	9,513	.41	4.38	123.2	23.45
Big Horn		710	9,513	.41	4.38	123.2	23.45
Utah		118	11,274	.34	8.17	128.2	28.91
Sevier		118	11,274	.34	8.17	128.2	28.91
Washington		4,984	7,919	.70	15.16	139.6	22.11
King		41	10,971	.72	19.66	130.8	28.71
Lewis		2,126	7,883	.69	15.13	139.5	21.99
Thurston		2,817	7,901	.71	15.12	139.9	22.10
PacifiCorp	Emery-Hunter	3,676	11,075	.50	13.78	94.2	20.86
Utah		3,676	11,075	.50	13.78	94.2	20.86
Emery		3,676	11,075	.50	13.78	94.2	20.86
PacifiCorp	Huntington	2,776	11,408	.45	13.13	78.7	17.96
Utah		2,776	11,408	.45	13.13	78.7	17.96
Emery		2,776	11,408	.45	13.13	78.7	17.96
PacifiCorp	Jim Bridger	8,708	9,692	.61	9.65	88.1	17.08
Wyoming		8,708	9,692	.61	9.65	88.1	17.08
Carbon		69	10,625	.46	5.30	79.6	16.92
Sweetwater		8,639	9,684	.61	9.69	88.2	17.09
PacifiCorp	Johnston	4,204	7,990	.43	8.51	58.2	9.29
Wyoming		4,204	7,990	.43	8.51	58.2	9.29
Campbell		1,421	8,417	.33	5.48	46.2	7.78
Converse		2,783	7,771	.49	10.06	64.8	10.07
PacifiCorp	Naughton	2,385	9,822	.70	4.95	121.6	23.88
Wyoming		2,385	9,822	.70	4.95	121.6	23.88
Lincoln		2,385	9,822	.70	4.95	121.6	23.88
PacifiCorp	Wyodak	1,970	7,925	.66	7.90	63.8	10.12
Wyoming		1,970	7,925	.66	7.90	63.8	10.12
Campbell		1,970	7,925	.66	7.90	63.8	10.12
Painesville City of	Painesville	70	12,391	2.57	7.73	135.1	33.48

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Painesville City of Painesville						
Ohio	70	12,391	2.57	7.73	135.1	33.48
Columbiana	70	12,391	2.57	7.73	135.1	33.48
Pennsylvania Electric Co Conemaugh	4,815	12,502	2.20	13.17	118.9	29.74
Pennsylvania	4,815	12,502	2.20	13.17	118.9	29.74
Allegheny	89	13,100	2.42	6.70	134.5	35.24
Armstrong	461	12,538	2.11	12.07	126.1	31.62
Cambria	358	12,324	2.10	13.84	117.3	28.92
Centre	58	12,664	2.06	12.18	117.2	29.68
Fayette	88	12,406	2.17	13.09	111.0	27.54
Indiana	999	12,479	2.14	13.78	117.5	29.33
Somerset	2,251	12,529	2.25	13.39	118.6	29.72
Westmoreland	511	12,418	2.24	12.74	116.6	28.96
Pennsylvania Electric Co Homer City	5,070	11,802	1.73	17.15	149.4	35.26
Pennsylvania	5,068	11,802	1.73	17.15	149.4	35.26
Armstrong	290	12,365	1.04	12.05	139.6	34.53
Blair	10	13,124	1.83	11.32	137.1	36.00
Cambria	44	11,707	1.75	17.96	117.3	27.47
Clarion	5	12,668	.72	11.20	159.6	40.44
Clearfield	39	12,042	1.38	14.29	135.7	32.69
Fayette	10	12,678	.68	9.30	151.2	38.34
Indiana	3,985	11,623	1.90	18.43	151.6	35.24
Jefferson	174	12,259	1.24	12.08	133.0	32.61
Somerset	469	12,655	1.12	12.44	147.2	37.24
Westmoreland	37	12,600	.70	10.65	155.8	39.27
Unknown	5	13,415	.69	9.00	150.8	40.46
West Virginia	2	12,341	1.24	13.80	126.1	31.13
Monongalia	2	12,341	1.24	13.80	126.1	31.13
Pennsylvania Electric Co Keystone	4,799	12,369	1.68	12.89	134.0	33.15
Pennsylvania	4,799	12,369	1.68	12.89	134.0	33.15
Armstrong	2,863	12,361	1.69	12.90	133.3	33.19
Clearfield	13	12,338	1.99	14.18	105.4	26.01
Fayette	12	13,340	2.27	7.05	106.4	28.38
Indiana	1,863	12,372	1.66	12.91	134.6	33.31
Jefferson	18	12,299	1.88	13.15	109.2	26.86
Venango	15	12,680	1.62	11.20	111.9	28.38
Unknown	15	12,352	2.02	13.37	105.9	26.17
Pennsylvania Electric Co Seward	572	12,252	1.54	13.76	113.2	27.75
Pennsylvania	572	12,252	1.54	13.76	113.2	27.75
Butler	3	12,261	1.48	13.30	113.7	27.88
Cambria	3	11,956	1.52	13.90	108.3	25.90
Clearfield	13	12,291	1.31	14.21	113.3	27.85
Fayette	43	12,183	1.56	13.17	111.5	27.18
Indiana	236	12,287	1.55	13.87	114.4	28.10
Somerset	171	12,273	1.53	13.51	113.5	27.87
Westmoreland	103	12,168	1.54	14.13	111.0	27.00
Pennsylvania Electric Co Shawville	1,417	12,277	1.97	13.09	108.5	26.63
Pennsylvania	1,417	12,277	1.97	13.09	108.5	26.63
Cambria	4	12,299	2.18	14.70	104.7	25.75
Clearfield	1,401	12,278	1.97	13.09	108.5	26.64
Jefferson	12	12,168	1.86	12.53	106.3	25.87
Pennsylvania Electric Co Warren	217	12,218	1.77	11.09	116.7	28.53
Pennsylvania	217	12,218	1.77	11.09	116.7	28.53
Armstrong	6	12,111	2.11	12.13	112.5	27.25
Butler	58	12,208	1.97	10.73	118.7	28.97
Clarion	46	12,302	1.40	9.53	113.3	27.88
Clearfield	5	12,038	1.56	12.10	123.7	29.78
Elk	22	12,215	1.85	12.26	117.8	28.77
Jefferson	80	12,196	1.81	11.79	116.9	28.53
Pennsylvania Power & Light Co Brunner Island	3,471	12,718	1.83	11.46	186.9	47.53

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, 1992 (Continued)

Electric Utility Origin State County	Quantity (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)
Pennsylvania Power & Light Co Brunner Island						
Pennsylvania	3,471	12,718	1.83	11.46	186.9	47.53
Cambria	233	12,547	1.92	12.60	163.6	41.06
Clearfield	680	12,514	1.84	13.41	179.7	44.98
Greene	920	13,303	1.72	7.15	144.7	38.51
Indiana	1,638	12,498	1.88	12.91	218.4	54.59
Pennsylvania Power & Light Co Holtwood	193	8,772	.60	29.85	116.2	20.39
Pennsylvania	193	8,772	.60	29.85	116.2	20.39
Carbon	2	7,721	.44	33.20	100.0	15.45
Chester	27	10,502	.50	15.40	158.4	33.27
Dauphin	1	10,921	.78	18.60	162.2	35.43
Northumberland	6	10,714	.84	18.42	161.0	34.50
Schuylkill	157	8,400	.61	32.81	104.8	17.60
Pennsylvania Power & Light Co Martins Creek	603	12,954	1.91	9.80	186.5	48.32
Pennsylvania	603	12,954	1.91	9.80	186.5	48.32
Armstrong	10	12,569	2.28	11.60	138.4	34.79
Clarion	10	12,892	2.06	9.30	138.7	35.76
Clearfield	11	12,487	2.23	13.10	187.9	46.93
Greene	244	13,312	1.75	7.15	149.6	39.82
Indiana	288	12,641	2.06	11.46	229.4	57.99
Jefferson	20	13,201	1.58	9.80	136.6	36.07
Washington	20	13,320	1.61	6.75	145.5	38.77
Pennsylvania Power & Light Co Montour	3,255	12,559	1.92	13.16	176.4	44.32
Pennsylvania	3,255	12,559	1.92	13.16	176.4	44.32
Cambria	1,083	12,545	1.84	13.18	220.9	55.42
Clearfield	1,326	12,680	2.00	12.77	146.8	37.23
Indiana	653	12,353	1.90	13.84	175.0	43.23
Jefferson	183	12,516	1.94	13.27	137.4	34.39
Somerset	10	12,437	2.06	14.80	139.2	34.62
Pennsylvania Power & Light Co Sunbury	956	10,950	1.57	20.78	125.7	27.53
Pennsylvania	956	10,950	1.57	20.78	125.7	27.53
Armstrong	12	12,835	1.71	9.89	129.4	33.23
Bedford	9	9,490	1.17	32.07	81.6	15.49
Centre	75	12,203	1.96	14.74	131.3	32.05
Clarion	14	12,758	2.15	9.16	134.0	34.19
Clearfield	454	12,154	1.98	15.05	145.0	35.26
Fulton	13	12,556	2.38	12.76	135.9	34.12
Jefferson	14	12,587	1.62	12.79	135.3	34.05
Lycoming	9	12,612	1.35	14.18	134.7	33.98
Northumberland	81	8,091	.96	30.03	75.8	12.27
Schuylkill	221	8,313	.63	34.74	78.4	13.03
Somerset	53	12,522	2.02	14.56	134.0	33.55
Sullivan	1	8,215	.61	37.00	71.0	11.67
Pennsylvania Power Co New Castle	762	12,243	1.46	10.39	127.3	31.17
Ohio	88	12,391	1.53	9.90	114.3	28.33
Carroll	5	11,451	.47	12.25	134.0	30.69
Columbiana	39	12,399	1.59	10.10	113.5	28.15
Jefferson	44	12,489	1.60	9.46	113.0	28.22
Pennsylvania	674	12,224	1.45	10.45	129.0	31.54
Armstrong	375	12,297	1.41	10.93	136.8	33.66
Beaver	52	12,219	1.55	10.09	116.5	28.48
Butler	161	12,043	1.49	9.32	119.7	28.83
Fayette	20	12,417	1.20	8.98	130.5	32.40
Lawrence	2	12,352	1.46	7.00	121.8	30.08
Mercer	12	12,199	1.49	11.20	107.4	26.21
Venango	2	12,159	1.86	11.19	110.0	26.75
Washington	50	12,192	1.65	11.37	117.9	28.75
Pennsylvania Power Co Bruce Mansfield	4,880	12,139	3.88	11.65	168.8	41.99
Ohio	397	12,144	3.85	11.68	170.3	41.36
Jefferson	209	12,136	3.79	11.71	167.8	40.74
Mahoning	22	12,222	4.01	11.30	176.6	43.17
Monroe	106	12,147	3.87	11.76	171.8	41.74
Tuscarawas	60	12,137	3.97	11.60	173.8	42.18

See footnotes 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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Pennsylvania Power Co Bruce Mansfield						
Pennsylvania	499	12,146	3.79	11.63	168.7	40.99
Butler	53	12,188	3.96	11.50	181.7	44.29
Greene	211	12,158	3.70	11.59	167.2	40.66
Washington	235	12,126	3.84	11.70	167.2	40.54
West Virginia	3,984	12,138	3.89	11.65	168.7	40.96
Marshall	3,959	12,138	3.89	11.65	168.7	40.96
Monongalia	25	12,202	3.47	11.60	163.6	39.92
Philadelphia Electric Co Cromby	288	13,304	1.72	7.20	154.2	41.03
Pennsylvania	232	13,314	1.69	7.23	152.4	40.59
Clarion	16	12,549	2.23	9.30	150.3	37.73
Greene	73	13,258	1.91	7.41	145.9	38.69
Washington	143	13,429	1.51	6.91	155.9	41.88
West Virginia	56	13,259	1.84	7.08	161.6	42.85
Barbour	20	13,247	1.91	7.85	162.7	43.11
Monongalia	36	13,266	1.80	6.65	161.0	42.71
Philadelphia Electric Co Eddystone	802	13,146	1.94	7.39	156.5	41.14
Pennsylvania	609	13,159	1.95	7.27	153.2	40.32
Greene	441	13,121	2.07	7.44	150.3	39.45
Washington	168	13,259	1.63	6.81	160.7	42.61
West Virginia	193	13,102	1.91	7.79	166.9	43.72
Barbour	111	13,035	1.94	8.49	173.2	45.15
Monongalia	82	13,192	1.85	6.84	158.4	41.79
Plains Elec Gen&Trans Coop Inc Escalante	889	9,079	.65	18.58	137.5	24.96
New Mexico	889	9,079	.65	18.58	137.5	24.96
Mckinley	889	9,079	.65	18.58	137.5	24.96
Platte River Power Authority Rawhide	1,009	8,825	.32	5.54	74.6	13.17
Wyoming	1,009	8,825	.32	5.54	74.6	13.17
Converse	1,009	8,825	.32	5.54	74.6	13.17
Portland General Electric Co Boardman	1,932	9,642	.40	4.42	110.1	21.23
Montana	1,833	9,547	.40	4.22	110.3	21.06
Big Horn	1,833	9,547	.40	4.22	110.3	21.06
Utah	99	11,396	.37	7.96	106.9	24.37
Sevier	99	11,396	.37	7.96	106.9	24.37
Potomac Edison Co Smith	154	12,539	.92	12.31	134.0	33.61
Maryland	135	12,451	.93	12.52	134.8	33.57
Allegany	64	12,578	.92	11.94	134.8	33.90
Garrett	71	12,337	.94	13.05	134.9	33.28
Pennsylvania	18	13,192	.85	10.77	128.5	33.90
Somerset	18	13,192	.85	10.77	128.5	33.90
Potomac Electric Power Co Chalk	1,615	12,535	1.83	12.26	172.8	43.33
Maryland	392	12,682	1.73	11.58	171.8	43.58
Garrett	392	12,682	1.73	11.58	171.8	43.58
Pennsylvania	1,200	12,477	1.88	12.53	173.5	43.29
Cambria	417	12,345	1.97	12.67	174.3	43.05
Clearfield	400	12,445	1.90	12.24	176.8	44.01
Jefferson	7	12,378	1.61	11.50	167.4	41.44
Somerset	375	12,659	1.75	12.71	169.2	42.84
West Virginia	23	13,044	1.53	9.98	156.2	40.75
Grant	23	13,044	1.53	9.98	156.2	40.75
Potomac Electric Power Co Dickerson	1,212	12,752	1.43	10.04	143.2	36.52
Maryland	15	13,125	1.58	10.80	128.6	33.76
Garrett	15	13,125	1.58	10.80	128.6	33.76
West Virginia	1,197	12,748	1.43	10.03	143.4	36.55
Grant	116	13,121	1.45	9.44	121.3	31.85
Preston	1,081	12,707	1.42	10.10	145.8	37.06
Potomac Electric Power Co Morgantown	2,165	12,645	1.77	12.33	171.4	43.34
Maryland	660	12,803	1.65	11.51	170.4	43.64
Garrett	660	12,803	1.65	11.51	170.4	43.64

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Potomac Electric Power Co Morgantown						
Pennsylvania	1,441	12,553	1.83	12.81	172.4	43.28
Cambria	466	12,482	1.88	12.62	175.7	43.85
Clearfield	433	12,504	1.86	12.87	177.3	44.33
Jefferson	16	12,051	1.84	14.10	173.8	41.89
Somerset	511	12,670	1.76	13.00	165.5	41.93
Westmoreland	14	12,697	1.99	8.80	166.1	42.18
West Virginia	64	13,101	1.52	9.88	159.5	41.80
Grant	64	13,101	1.52	9.88	159.5	41.80
Potomac Electric Power Co Potomac River	784	12,910	.81	7.80	175.2	45.25
Kentucky	177	12,777	.79	8.00	175.3	44.80
Pike	177	12,777	.79	8.00	175.3	44.80
Virginia	261	12,965	.83	7.48	181.1	46.95
Wise	261	12,965	.83	7.48	181.1	46.95
West Virginia	345	12,937	.80	7.94	170.8	44.19
Mingo	345	12,937	.80	7.94	170.8	44.19
PSI Energy Inc Cayuga	2,863	10,942	2.01	9.93	123.9	27.12
Indiana	2,853	10,938	2.01	9.92	124.0	27.13
Clay	53	11,371	2.10	7.15	110.8	25.20
Daviess	147	11,110	1.72	8.38	122.4	27.19
Greene	122	11,124	2.15	9.41	121.0	26.91
Pike	312	11,143	2.18	9.22	117.7	26.24
Sullivan	1,982	10,891	1.99	10.18	127.5	27.77
Vermillion	227	10,749	2.09	10.62	108.2	23.27
Vigo	9	11,119	1.95	10.00	119.2	26.51
Kentucky	9	12,022	2.41	10.00	101.9	24.50
Webster	9	12,022	2.41	10.00	101.9	24.50
PSI Energy Inc Edwardsport	71	11,197	2.45	9.45	96.4	21.59
Indiana	71	11,197	2.45	9.45	96.4	21.59
Daviess	70	11,193	2.44	9.48	96.6	21.61
Greene	1	11,616	3.04	7.40	83.1	19.31
PSI Energy Inc Gallagher	1,144	11,240	2.04	8.82	137.2	30.84
Illinois	51	10,841	3.41	7.97	185.5	40.21
Clinton	51	10,841	3.41	7.97	185.5	40.21
Indiana	827	10,901	2.26	8.78	142.3	31.01
Warrick	827	10,901	2.26	8.78	142.3	31.01
Kentucky	120	11,907	1.49	9.48	114.9	27.37
Bell	28	12,502	1.53	9.44	106.5	26.62
Daviess	27	10,766	2.27	10.29	109.9	23.66
Hopkins	5	11,469	2.25	9.50	112.0	25.69
Perry	59	12,191	1.03	9.12	121.4	29.59
West Virginia	146	12,744	.77	8.82	115.4	29.41
Kanawha	8	12,411	.70	13.06	119.4	29.64
Mingo	139	12,763	.78	8.58	115.2	29.40
PSI Energy Inc Gibson Station	8,297	11,106	2.01	10.14	157.2	34.91
Illinois	6,082	10,761	2.45	10.47	169.2	36.41
Clinton	3,031	10,822	3.46	8.10	171.5	37.13
Jefferson	91	12,206	.81	4.89	119.9	29.26
Wabash	2,960	10,655	1.46	13.07	168.4	35.89
Indiana	862	11,435	.96	7.12	116.3	26.59
Clay	145	11,618	.63	6.44	128.5	29.85
Daviess	476	11,535	.84	6.54	114.5	26.42
Dubois	6	11,381	1.00	8.30	102.3	23.29
Perry	51	11,243	.89	7.94	118.2	26.59
Pike	53	11,503	3.51	7.90	89.4	20.57
Sullivan	130	10,912	.72	9.29	119.8	26.14
Kentucky	217	12,219	.80	11.06	123.5	30.18
Floyd	134	12,211	.82	11.41	123.9	30.26
Martin	25	12,568	.77	7.74	125.0	31.42
Perry	58	12,090	.77	11.66	121.9	29.48
West Virginia	1,136	12,489	.73	10.49	136.5	34.09
Boone	202	12,434	.73	11.15	130.1	32.35
Kanawha	377	12,357	.72	12.27	135.9	33.60
Mingo	434	12,766	.74	8.27	141.3	36.06
Wayne	123	12,013	.75	11.79	130.9	31.46

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Origin State County	Plant	Quantity (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)
PSI Energy Inc	Noblesville	29	11,045	2.37	9.79	145.1	32.06
Indiana		29	11,041	2.37	9.81	145.6	32.16
Sullivan		29	11,041	2.37	9.81	145.6	32.16
Kentucky		*	11,402	2.70	7.80	96.6	22.03
Daviess		*	11,402	2.70	7.80	96.6	22.03
PSI Energy Inc	Wabash River	1,430	11,036	2.00	9.33	117.2	25.87
Indiana		1,430	11,036	2.00	9.33	117.2	25.87
Clay		35	11,354	2.08	6.92	107.7	24.46
Daviess		389	11,136	2.03	8.98	107.0	23.82
Greene		169	11,312	2.04	8.00	112.4	25.42
Sullivan		838	10,921	1.98	9.87	123.5	26.97
Public Service Co of Colorado	Arapahoe	462	11,225	.47	9.10	113.8	25.55
Colorado		462	11,225	.47	9.10	113.8	25.55
Las Animas		11	12,817	.43	11.18	101.0	25.89
Routt		452	11,188	.47	9.05	114.2	25.54
Public Service Co of Colorado	Cameo	246	11,315	.59	8.76	90.2	20.41
Colorado		246	11,315	.59	8.76	90.2	20.41
Mesa		246	11,315	.59	8.76	90.2	20.41
Public Service Co of Colorado	Cherokee	1,935	11,097	.42	9.44	108.2	24.02
Colorado		1,935	11,097	.42	9.44	108.2	24.02
Moffat		313	10,498	.46	8.34	110.3	23.15
Routt		1,622	11,213	.41	9.65	107.9	24.19
Public Service Co of Colorado	Comanche	2,064	8,519	.30	4.68	112.7	19.21
Wyoming		2,064	8,519	.30	4.68	112.7	19.21
Campbell		2,064	8,519	.30	4.68	112.7	19.21
Public Service Co of Colorado	Hayden	1,501	10,639	.40	8.98	91.9	19.55
Colorado		1,501	10,639	.40	8.98	91.9	19.55
Routt		1,501	10,639	.40	8.98	91.9	19.55
Public Service Co of Colorado	Pawnee	1,863	8,266	.36	4.56	104.8	17.32
Wyoming		1,863	8,266	.36	4.56	104.8	17.32
Campbell		1,863	8,266	.36	4.56	104.8	17.32
Public Service Co of Colorado	Valmont	570	11,224	.50	8.68	107.9	24.22
Colorado		570	11,224	.50	8.68	107.9	24.22
Las Animas		11	12,808	.43	11.09	101.1	25.90
Routt		559	11,193	.50	8.64	108.1	24.19
Public Service Co of NH	Merrimack	1,003	13,316	1.80	6.51	168.1	44.77
Pennsylvania		671	13,266	1.57	6.30	171.5	45.50
Greene		671	13,266	1.57	6.30	171.5	45.50
West Virginia		332	13,416	2.27	6.94	161.4	43.30
Barbour		20	13,470	2.18	7.55	161.5	43.51
Monongalia		311	13,412	2.28	6.90	161.3	43.28
Public Service Co of NH	Schiller	223	13,010	.73	6.56	170.3	44.31
Pennsylvania		8	13,080	1.46	6.25	173.0	45.26
Greene		8	13,080	1.46	6.25	173.0	45.26
West Virginia		132	13,252	.77	6.62	175.2	46.44
Boone		117	13,253	.78	6.68	175.8	46.59
Mingo		15	13,244	.72	6.17	170.8	45.24
Imported		83	12,616	.60	6.50	161.8	40.83
Imported Coal		83	12,616	.60	6.50	161.8	40.83
Public Service Co of NM	San Juan	5,105	9,360	.87	23.78	173.4	32.46
New Mexico		5,105	9,360	.87	23.78	173.4	32.46
San Juan		5,105	9,360	.87	23.78	173.4	32.46
Public Service Co of Oklahoma	Northeastern	3,030	8,762	.45	5.97	161.1	28.24
Oklahoma		60	11,227	.46	10.94	149.0	33.46
Craig		60	11,227	.46	10.94	149.0	33.46

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Public Service Co of Oklahoma Northeastern						
Wyoming	2,970	8,712	0.45	5.87	161.4	28.13
Campbell	2,970	8,712	.45	5.87	161.4	28.13
Public Service Electric&Gas Co Hudson	569	13,111	.82	7.12	176.5	46.28
Kentucky	189	13,197	.83	6.64	183.3	48.38
Letcher	7	12,677	.79	6.90	195.4	49.54
Perry	166	13,228	.83	6.59	182.4	48.25
Pike	16	13,102	.83	6.97	187.8	49.20
West Virginia	380	13,069	.82	7.36	173.1	45.24
Boone	124	13,034	.85	7.07	176.4	45.98
Mingo	64	13,310	.68	6.86	175.4	46.70
Randolph	16	13,044	.87	7.90	181.0	47.22
Webster	176	13,008	.85	7.69	169.1	44.00
Public Service Electric&Gas Co Mercer	841	14,172	.82	4.46	175.7	49.80
Virginia	806	14,185	.83	4.40	175.9	49.90
Buchanan	791	14,195	.82	4.38	175.8	49.91
Russell	6	13,897	.87	6.07	177.0	49.20
Wise	8	13,477	.88	5.20	185.2	49.92
West Virginia	35	13,875	.64	5.71	170.8	47.40
Mcdowell	35	13,886	.64	5.69	170.9	47.46
Mingo	1	13,331	.71	6.61	166.3	44.34
Richmond City of Whitewater	293	11,427	2.02	9.04	148.7	33.99
Indiana	214	11,307	2.16	8.88	157.3	35.57
Daviess	146	11,345	2.27	8.67	155.9	35.38
Greene	68	11,228	1.94	9.31	160.1	35.96
Kentucky	60	11,845	1.28	9.36	125.6	29.76
Perry	14	12,035	.83	10.43	124.6	30.00
Unknown	46	11,789	1.41	9.04	125.9	29.69
Ohio	19	11,458	2.82	9.81	128.6	29.46
Perry	19	11,458	2.82	9.81	128.6	29.46
Rochester Gas & Electric Corp Rochester 3	202	13,281	2.04	6.57	148.7	39.49
Pennsylvania	137	13,235	1.89	6.67	149.0	39.44
Greene	117	13,214	1.80	6.64	151.6	40.08
Washington	20	13,355	2.38	6.89	134.1	35.82
West Virginia	65	13,377	2.36	6.34	148.0	39.60
Monongalia	65	13,377	2.36	6.34	148.0	39.60
Rochester Gas & Electric Corp Rochester 7	639	13,304	2.13	6.76	144.7	38.49
Pennsylvania	363	13,235	1.90	6.84	145.7	38.56
Clarion	8	12,862	1.84	8.00	138.5	35.64
Greene	203	13,169	1.70	6.69	152.5	40.17
Washington	151	13,343	2.18	6.99	137.0	36.55
West Virginia	277	13,394	2.42	6.65	143.4	38.41
Marion	42	13,507	2.69	7.52	134.9	36.43
Monongalia	235	13,374	2.37	6.49	144.9	38.76
Rochester Public Utilities Silver Lake	80	11,885	1.82	8.27	156.3	37.16
Illinois	63	11,836	1.84	8.79	162.0	38.34
Jefferson	3	12,019	1.05	5.34	153.7	36.95
Saline	60	11,826	1.88	8.97	162.4	38.41
Indiana	*	9,940	1.10	11.70	90.5	17.99
Daviess	*	9,940	1.10	11.70	90.5	17.99
Pennsylvania	11	13,351	2.04	6.92	142.3	38.00
Greene	5	13,376	1.60	6.84	145.6	38.96
Washington	6	13,330	2.40	6.99	139.7	37.24
Wyoming	6	9,839	1.26	5.19	121.7	23.94
Campbell	6	9,839	1.26	5.19	121.7	23.94
Salt River Proj Ag I & P Dist Coronado	2,246	9,915	.45	13.32	200.9	39.83
New Mexico	2,246	9,915	.45	13.32	200.9	39.83
McKinley	2,246	9,915	.45	13.32	200.9	39.83
Salt River Proj Ag I & P Dist Navajo	7,441	11,043	.52	9.00	104.8	23.14

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Salt River Proj Ag I & P Dist Navajo						
Arizona	7,441	11,043	0.52	9.00	104.8	23.14
Navajo	7,441	11,043	.52	9.00	104.8	23.14
San Antonio City of JT Deely/Spruce	3,543	8,489	.33	5.43	127.9	21.72
Wyoming	3,543	8,489	.33	5.43	127.9	21.72
Campbell	2,826	8,406	.33	5.43	130.4	21.93
Converse	716	8,819	.32	5.45	118.6	20.92
San Miguel Electric Coop Inc San Miguel	2,930	5,350	1.98	25.31	96.6	10.34
Texas	2,930	5,350	1.98	25.31	96.6	10.34
Atascosa	2,930	5,350	1.98	25.31	96.6	10.34
Savannah Electric & Power Inc Kraft	64	12,371	1.00	12.04	147.4	36.46
Kentucky	3	11,947	1.36	13.60	132.2	31.59
Harlan	3	11,947	1.36	13.60	132.2	31.59
Virginia	61	12,392	.98	11.96	148.1	36.71
Wise	61	12,392	.98	11.96	148.1	36.71
Savannah Electric & Power Inc McIntosh	92	12,341	1.29	9.98	152.5	37.64
Kentucky	92	12,341	1.29	9.98	152.5	37.64
Harlan	18	12,616	.99	8.30	149.8	37.80
Letcher	38	12,271	1.81	11.25	153.6	37.70
Perry	36	12,278	.89	9.47	152.7	37.49
Seminole Electric Coop Inc Seminole	3,539	12,133	2.60	8.28	194.3	47.16
Illinois	1,622	11,640	2.75	7.79	203.4	47.35
Jefferson	25	11,736	1.71	7.90	153.2	35.96
White	1,597	11,639	2.76	7.79	204.2	47.53
Kentucky	1,917	12,551	2.48	8.69	137.2	47.00
Breathitt	77	12,572	.93	8.19	156.4	39.32
Clay	81	13,011	1.00	8.40	154.2	40.14
Harlan	345	12,736	1.26	9.37	153.8	39.17
Union	249	12,133	2.99	8.42	159.2	38.64
Webster	1,165	12,551	2.93	8.61	207.5	52.09
Sierra Pacific Power Co North Valmy	1,545	10,518	.43	8.28	198.6	41.77
Utah	745	11,370	.36	8.41	197.1	44.81
Sevier	745	11,370	.36	8.41	197.1	44.81
Wyoming	800	9,724	.49	8.17	200.2	38.93
Sweetwater	800	9,724	.49	8.17	200.2	38.93
Sikeston City of Sikeston	587	11,735	2.49	10.03	150.7	35.36
Illinois	587	11,735	2.49	10.03	150.7	35.36
Randolph	22	10,758	3.19	12.36	92.1	19.82
Saline	565	11,773	2.46	9.94	152.7	35.96
South Carolina Electric&Gas Co Canadys	663	12,819	1.31	9.11	158.9	40.74
Kentucky	562	12,794	1.30	9.03	158.6	40.58
Harlan	230	12,867	1.30	8.46	154.1	39.66
Leslie	254	12,709	1.37	9.32	165.5	42.07
Perry	*	12,948	.81	6.95	163.8	42.43
Pike	77	12,858	1.12	9.74	149.6	38.46
Virginia	101	12,955	1.32	9.57	160.7	41.63
Dickenson	101	12,955	1.32	9.57	160.7	41.63
South Carolina Electric&Gas Co Mcmeekin	615	12,870	1.32	9.36	152.7	39.30
Kentucky	370	12,703	1.24	9.71	151.6	38.52
Harlan	103	12,773	1.29	8.49	154.3	39.42
Leslie	72	12,664	1.37	9.17	163.5	41.40
Letcher	*	12,692	.73	7.80	157.5	40.08
Perry	*	13,099	.81	7.90	165.1	43.25
Pike	195	12,681	1.16	10.55	145.8	36.98
Virginia	245	13,122	1.43	8.83	154.2	40.48
Dickenson	245	13,122	1.43	8.83	154.2	40.48
South Carolina Electric&Gas Co Urguhart	500	12,914	1.26	9.45	155.1	40.05

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
South Carolina Electric&Gas Co Urguhart						
Kentucky	335	12,843	1.27	9.50	154.3	39.63
Clay	21	13,245	1.43	8.50	164.4	43.55
Harlan	65	12,886	1.29	8.41	154.6	39.84
Leslie	64	12,776	1.38	9.03	163.5	41.78
Pike	184	12,805	1.20	10.17	149.8	38.35
Virginia	165	13,058	1.26	9.34	156.6	40.91
Dickenson	165	13,058	1.26	9.34	156.6	40.91
South Carolina Electric&Gas Co Wateree	1,403	12,912	1.06	8.54	156.5	40.42
Kentucky	1,092	12,895	.99	8.33	158.2	40.81
Harlan	150	12,798	1.18	8.68	157.1	40.20
Leslie	14	12,704	1.33	9.80	164.8	41.87
Letcher	35	12,675	.80	8.05	158.8	40.26
Perry	491	13,107	.84	6.92	165.8	43.47
Pike	400	12,698	1.10	9.90	148.7	37.78
Virginia	312	12,970	1.34	9.28	150.6	39.07
Dickenson	7	12,727	1.31	11.10	154.8	39.40
Wise	304	12,976	1.34	9.23	150.5	39.06
South Carolina Electric&Gas Co Williams	1,041	12,875	.82	7.39	162.7	41.90
Kentucky	1,041	12,875	.82	7.39	162.7	41.90
Letcher	17	12,869	.82	7.50	159.8	41.13
Perry	871	12,904	.82	7.25	164.0	42.32
Pike	152	12,712	.87	8.21	155.8	39.62
South Carolina Pub Serv Auth Cross	1,343	12,730	1.08	8.80	144.7	36.85
Kentucky	1,343	12,730	1.08	8.80	144.7	36.85
Breathitt	27	11,579	1.31	13.27	118.7	27.48
Harlan	715	12,659	1.15	8.85	150.8	38.18
Leslie	582	12,862	.98	8.58	138.8	35.71
Letcher	19	12,981	1.20	7.22	134.1	34.82
South Carolina Pub Serv Auth Grainger	99	12,923	1.85	10.84	155.0	40.05
Kentucky	99	12,923	1.85	10.84	155.0	40.05
Breathitt	7	11,620	1.03	14.62	148.3	34.47
Pike	92	13,025	1.91	10.54	155.4	40.49
South Carolina Pub Serv Auth Jefferies	597	12,591	1.67	9.36	143.5	36.14
Kentucky	597	12,591	1.67	9.36	143.5	36.14
Harlan	35	12,529	1.40	10.47	134.1	33.59
Leslie	206	12,225	1.69	10.85	152.5	37.28
Letcher	357	12,807	1.68	8.39	139.5	35.73
South Carolina Pub Serv Auth Winyah	2,505	12,889	1.13	8.80	148.2	38.22
Kentucky	2,505	12,889	1.13	8.80	148.2	38.22
Breathitt	17	12,028	1.14	12.76	117.6	28.30
Harlan	1,776	12,976	1.14	8.37	149.7	38.84
Leslie	577	12,592	1.08	10.28	147.7	37.19
Letcher	134	13,138	1.23	7.53	135.6	35.64
Pike	1	12,519	1.23	9.67	150.8	37.75
South Mississippi El Pwr Assn R D Morrow	757	12,370	.99	9.58	205.3	50.80
Kentucky	757	12,370	.99	9.58	205.3	50.80
Pike	757	12,370	.99	9.58	205.3	50.80
Southern California Edison Co Mohave	4,977	10,940	.51	10.25	118.8	25.99
Arizona	4,977	10,940	.51	10.25	118.8	25.99
Navajo	4,977	10,940	.51	10.25	118.8	25.99
Southern Illinois Power Coop Marion	490	10,549	2.79	16.54	91.1	19.21
Illinois	451	10,532	2.84	17.04	92.9	19.56
Gallatin	93	10,892	3.82	18.40	88.6	19.30
Jefferson	38	8,318	2.07	25.35	51.5	8.57
Saline	9	9,075	2.35	22.33	56.4	10.23
Williamson	311	10,737	2.65	15.46	99.0	21.25
Kentucky	39	10,744	2.24	10.84	70.7	15.18
Union	39	10,744	2.24	10.84	70.7	15.18
Southern Indiana Gas & Elec Co A B Brown	1,123	11,554	3.53	8.18	156.8	36.23

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Southern Indiana Gas & Elec Co A B Brown						
Indiana	1,123	11,554	3.53	8.18	156.8	36.23
Clay	100	11,069	3.82	10.00	101.6	22.49
Pike	1,023	11,602	3.50	8.00	161.9	37.57
Southern Indiana Gas & Elec Co Culley	1,097	11,113	2.23	8.83	134.5	29.89
Indiana	958	10,929	2.35	9.48	134.7	29.44
Knox	270	10,895	1.79	10.16	134.4	29.28
Pike	38	11,123	1.31	8.35	138.1	30.72
Warrick	650	10,932	2.84	9.26	134.6	29.44
Kentucky	140	12,378	1.47	4.38	133.0	32.92
Hopkins	120	12,348	1.46	3.79	132.7	32.78
Union	20	12,562	1.49	7.97	134.6	33.81
Southern Indiana Gas & Elec Co Warrick	475	11,132	2.47	8.64	115.1	25.63
Indiana	422	11,109	2.45	8.75	116.7	25.92
Gibson	22	11,077	2.47	10.10	94.3	20.90
Pike	85	11,451	2.61	8.36	101.9	23.33
Warrick	315	11,019	2.41	8.77	122.4	26.97
Kentucky	53	11,315	2.60	7.71	103.2	23.35
Henderson	53	11,315	2.60	7.71	103.2	23.35
Southwestern Electric Power Co Flint Creek	1,663	8,347	.34	4.66	155.1	25.89
Wyoming	1,663	8,347	.34	4.66	155.1	25.89
Campbell	1,663	8,347	.34	4.66	155.1	25.89
Southwestern Electric Power Co Pirkey	2,817	6,766	1.33	12.08	127.6	17.26
Texas	2,817	6,766	1.33	12.08	127.6	17.26
Harrison	2,817	6,766	1.33	12.08	127.6	17.26
Southwestern Electric Power Co Welsh Station	4,980	8,339	.35	4.63	196.3	32.74
Wyoming	4,980	8,339	.35	4.63	196.3	32.74
Campbell	4,980	8,339	.35	4.63	196.3	32.74
Southwestern Public Service Co Harrington	4,301	8,761	.32	4.88	156.6	27.44
Wyoming	4,301	8,761	.32	4.88	156.6	27.44
Campbell	4,301	8,761	.32	4.88	156.6	27.44
Southwestern Public Service Co Tolk	3,967	8,759	.34	4.89	191.3	33.52
Wyoming	3,967	8,759	.34	4.89	191.3	33.52
Campbell	3,967	8,759	.34	4.89	191.3	33.52
Springfield City of (MO) James River	271	11,599	1.74	7.92	134.4	31.18
Illinois	230	11,574	1.98	7.91	132.9	30.77
Franklin	230	11,574	1.98	7.91	132.9	30.77
Utah	41	11,737	.40	8.00	142.5	33.44
Carbon	41	11,737	.40	8.00	142.5	33.44
Springfield City of (MO) Southwest	477	11,629	2.09	8.02	132.1	30.74
Illinois	466	11,621	2.12	8.02	132.0	30.67
Franklin	466	11,621	2.12	8.02	132.0	30.67
Utah	11	11,987	.38	7.90	139.5	33.44
Carbon	11	11,987	.38	7.90	139.5	33.44
Springfield City of (IL) Dalman	827	10,382	3.04	9.37	113.1	23.48
Illinois	827	10,382	3.04	9.37	113.1	23.48
Logan	827	10,382	3.04	9.37	113.1	23.48
Springfield City of (IL) Lakeside	106	10,383	3.03	9.33	113.3	23.53
Illinois	106	10,383	3.03	9.33	113.3	23.53
Logan	106	10,383	3.03	9.33	113.3	23.53
St Joseph Light and Power Co Lakeroad	135	11,976	3.72	12.10	139.2	33.35
Kansas	135	11,976	3.72	12.10	139.2	33.35
Crawford	135	11,976	3.72	12.10	139.2	33.35
Sunflower Electric Power Corp Holcomb Unit #1	1,257	8,492	.38	5.11	105.3	17.88

See footnotes 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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Sunflower Electric Power Corp Holcomb Unit #1						
Wyoming	1,257	8,492	0.38	5.11	105.3	17.88
Campbell	1,257	8,492	.38	5.11	105.3	17.88
Tacoma Dept of Public Utilities Steam No. 2	24	10,043	.43	10.87	197.5	39.67
Montana	4	9,492	.40	4.25	169.0	32.08
Big Horn	4	9,492	.40	4.25	169.0	32.08
Washington	2	12,366	.72	14.03	154.5	38.21
King	2	12,366	.72	14.03	154.5	38.21
Wyoming	2	8,846	.22	4.67	181.0	32.02
Campbell	2	8,846	.22	4.67	181.0	32.02
Imported	15	9,993	.42	12.95	214.7	42.90
Imported Coal	15	9,993	.42	12.95	214.7	42.90
Tampa Electric Co Davant Transfer	5,528	12,255	2.30	8.09	182.4	44.70
Colorado	181	13,092	.45	10.01	149.5	38.37
Las Animas	181	13,092	.45	10.01	146.5	38.37
Illinois	1,224	11,287	2.87	8.89	181.0	40.86
Franklin	48	12,213	1.04	5.07	156.0	38.11
Gallatin	126	12,727	2.79	8.73	110.3	28.08
Perry	1,018	11,076	2.96	9.08	194.6	43.11
Randolph	33	10,945	2.92	9.10	108.9	23.84
Kentucky	3,359	12,415	2.30	7.91	178.7	44.37
Bell	51	12,909	.62	8.43	167.1	43.14
Daviess	90	11,629	2.82	9.47	115.4	26.83
Hopkins	104	11,973	3.05	10.25	111.2	26.93
Knott	19	12,923	.64	8.15	167.1	43.14
Knox	7	12,967	.57	8.80	167.1	43.34
Muhlenberg	488	11,767	2.75	8.51	115.1	27.09
Union	1,056	12,282	2.84	8.63	171.0	41.99
Webster	516	12,599	2.86	8.17	164.8	41.53
Whitley	1,029	12,842	1.27	6.36	232.9	59.83
Tennessee	269	12,861	1.19	6.20	217.6	55.98
Campbell	269	12,861	1.19	6.20	217.6	55.98
Utah	32	11,596	.39	8.20	163.8	37.99
Carbon	32	11,596	.39	8.20	163.8	37.99
West Virginia	452	13,137	2.38	7.64	207.1	54.41
Monongalia	452	13,137	2.38	7.64	207.1	54.41
Wyoming	12	8,887	.20	4.70	142.3	25.29
Campbell	12	8,887	.20	4.70	142.3	25.29
Tampa Electric Co Gannon	728	12,713	1.21	6.46	233.8	59.45
Kentucky	728	12,713	1.21	6.46	233.8	59.45
Bell	8	12,584	1.20	6.60	205.1	51.62
Knox	8	12,845	1.35	5.60	205.7	52.84
Whitley	712	12,713	1.21	6.47	234.4	59.61
Tennessee Valley Authority Allen	1,501	12,146	2.14	8.94	123.4	29.98
Illinois	1,038	11,969	2.10	9.11	119.0	28.49
Jefferson	21	11,500	2.00	8.00	117.7	27.07
Saline	726	12,078	2.06	9.12	119.0	28.74
Williamson	291	11,731	2.20	9.15	119.3	27.98
Kentucky	460	12,537	2.24	8.59	132.9	33.32
Webster	460	12,537	2.24	8.59	132.9	33.32
Pennsylvania	3	13,200	2.40	7.40	120.0	31.68
Greene	3	13,200	2.40	7.40	120.0	31.68
Tennessee Valley Authority Bull Run	2,005	12,963	1.07	8.03	123.8	32.09
Kentucky	1,833	12,988	1.07	8.13	123.9	32.19
Bell	483	12,655	1.10	8.94	126.7	32.06
Clay	227	12,754	.96	8.71	108.3	27.62
Harlan	1,061	13,209	1.09	7.57	126.8	33.51
Leslie	62	12,644	1.03	9.31	108.0	27.30
Letcher	1	13,528	.70	6.70	124.4	33.66
Virginia	172	12,700	1.00	7.00	122.3	31.07
Lee	172	12,700	1.00	7.00	122.3	31.07
Tennessee Valley Authority Colbert	2,742	11,970	1.32	10.93	129.6	31.01

See footnote 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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Tennessee Valley Authority Colbert						
Illinois	850	11,577	1.88	9.26	123.7	28.65
Franklin	850	11,577	1.88	9.26	123.7	28.65
Kentucky	583	12,108	1.48	10.72	124.6	30.18
Breathitt	80	12,150	1.30	12.10	119.4	29.00
Daviess	44	12,200	1.04	12.50	122.5	29.89
Floyd	47	12,200	1.26	12.50	123.8	30.21
Johnson	324	12,102	1.40	9.26	131.1	31.74
Webster	88	12,000	2.30	13.00	106.9	25.65
Tennessee	363	12,377	.79	12.53	127.3	31.52
Sequatchie	363	12,377	.79	12.53	127.3	31.52
West Virginia	945	12,081	.93	11.94	138.5	33.46
Boone	50	12,287	.70	13.95	118.1	29.03
Kanawha	666	12,040	.94	12.34	140.8	33.91
Lincoln	26	12,000	.70	11.00	129.4	31.05
Mingo	204	12,174	.97	10.24	137.0	33.36
Tennessee Valley Authority Cumberland	6,930	11,616	2.77	7.96	129.9	30.18
Illinois	330	11,751	2.60	9.53	100.7	23.66
Franklin	283	11,700	2.61	9.53	100.4	23.49
Gallatin	28	12,500	2.95	9.90	100.4	25.10
Jefferson	13	11,500	1.80	7.80	106.0	24.38
Saline	6	11,167	2.30	11.30	104.7	23.38
Kentucky	6,599	11,609	2.78	7.88	131.4	30.50
Union	6,599	11,609	2.78	7.88	131.4	30.50
Tennessee Valley Authority Gallatin	2,215	12,088	2.54	7.79	125.0	30.22
Illinois	260	11,880	2.76	7.11	125.7	29.87
White	260	11,880	2.76	7.11	125.7	29.87
Kentucky	1,884	12,249	2.59	7.87	124.7	30.55
Hopkins	1,062	12,078	2.34	6.97	126.7	30.61
Union	36	12,509	2.20	8.20	119.5	29.89
Webster	786	12,467	2.95	9.08	122.3	30.50
Wyoming	71	8,601	.50	7.99	132.1	22.73
Campbell	71	8,601	.50	7.99	132.1	22.73
Tennessee Valley Authority Johnsonville	2,326	11,992	1.75	9.12	130.8	31.37
Illinois	1,203	11,681	1.71	8.99	132.9	31.06
Franklin	1,062	11,672	1.72	9.01	133.9	31.26
Jefferson	29	11,700	1.70	8.50	120.0	28.08
Kentucky	1,123	12,325	1.79	9.24	128.6	31.71
Webster	1,123	12,325	1.79	9.24	128.6	31.71
Tennessee Valley Authority Kingston	3,667	12,723	1.18	8.21	124.8	31.77
Kentucky	2,463	12,646	1.10	8.30	125.6	31.77
Bell	1,829	12,668	1.11	8.10	124.6	31.57
Harlan	446	12,622	1.15	8.92	129.3	32.65
Leslie	171	12,540	.95	9.00	126.6	31.74
Perry	17	12,000	.60	7.00	127.5	30.60
Tennessee	1,176	12,902	1.34	7.93	123.2	31.80
Anderson	90	12,480	1.17	8.46	124.2	31.00
Campbell	804	12,738	1.24	8.73	123.5	31.46
Morgan	37	12,690	1.41	10.62	104.3	26.46
Scott	244	13,629	1.71	4.67	124.8	34.03
West Virginia	28	12,000	1.40	12.00	126.5	30.36
Lincoln	28	12,000	1.40	12.00	126.5	30.36
Tennessee Valley Authority Paradise	6,457	11,018	3.95	16.25	106.5	23.47
Illinois	7	11,650	2.50	10.20	110.3	25.70
White	7	11,650	2.50	10.20	110.3	25.70
Kentucky	6,449	11,017	3.95	16.26	106.5	23.47
Christian	61	11,506	2.40	11.50	89.1	20.50
Hopkins	14	12,000	3.10	8.20	128.2	30.77
Muhlenberg	2,700	10,590	4.08	17.79	98.5	20.87
Ohio	240	11,356	2.69	11.48	87.0	19.76
Union	1,340	11,108	3.79	15.95	117.8	26.17
Webster	2,095	11,450	4.10	15.22	111.5	25.54
Tennessee Valley Authority Sevier	1,728	12,803	1.52	9.25	128.5	32.92

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Tennessee Valley Authority Sevier						
Kentucky	462	12,527	1.31	11.03	125.2	31.36
Harlan	210	12,574	1.34	10.83	123.6	31.09
Letcher	242	12,487	1.25	11.20	126.8	31.67
Whitley	10	12,500	2.30	10.90	118.8	29.69
Tennessee	47	12,000	2.10	11.00	120.7	28.98
Campbell	47	12,000	2.10	11.00	120.7	28.98
Virginia	1,220	12,939	1.57	8.51	130.1	33.66
Lee	372	12,910	1.37	9.10	121.5	31.38
Wise	847	12,952	1.66	8.25	133.8	34.66
Tennessee Valley Authority Shawnee	2,503	12,089	1.30	10.39	129.4	31.28
Kentucky	1,775	12,017	1.54	9.90	129.7	31.16
Clay	13	12,000	.72	14.00	119.7	28.73
Floyd	10	12,100	.74	12.00	130.6	31.61
Hopkins	327	11,479	3.67	11.56	120.3	27.61
Johnson	48	11,300	.70	12.10	115.1	26.02
Magoffin	107	12,000	.71	12.11	118.9	28.53
Muhlenberg	272	11,613	2.52	9.40	123.8	28.75
Perry	18	12,296	.74	10.96	147.2	36.21
Pike	966	12,331	.70	9.08	135.7	33.46
Webster	14	13,000	2.25	7.00	138.2	35.94
Tennessee	13	12,500	.76	12.10	128.0	32.00
Sequatchie	13	12,500	.76	12.10	128.0	32.00
West Virginia	715	12,260	.73	11.57	128.7	31.56
Boone	347	12,314	.72	11.35	129.5	31.89
Kanawha	128	12,209	.76	13.00	125.4	30.62
Logan	142	12,240	.72	11.36	129.4	31.68
Mingo	79	12,203	.71	10.73	130.6	31.87
Wayne	20	12,000	.74	11.00	124.0	29.76
Tennessee Valley Authority Widows Creek	3,643	11,986	2.58	10.91	116.1	27.83
Illinois	106	11,586	2.63	9.62	106.2	24.62
Franklin	102	11,554	2.62	9.61	106.1	24.51
Gallatin	4	12,500	2.80	9.90	110.9	27.72
Indiana	19	11,296	3.45	10.98	101.5	22.92
Warrick	19	11,296	3.45	10.98	101.5	22.92
Kentucky	3,064	11,929	2.84	10.80	114.0	27.19
Clay	134	12,500	.80	8.50	120.9	30.22
Daviess	7	11,000	3.40	13.00	101.1	22.24
Harlan	45	12,790	.80	8.30	136.1	34.82
Hopkins	1,025	11,599	3.69	11.46	107.1	24.84
Letcher	333	12,500	.90	10.60	126.0	31.50
Magoffin	9	12,000	.90	12.00	123.5	29.64
Ohio	145	11,600	3.30	10.10	104.7	24.29
Perry	133	12,528	.84	8.57	130.2	32.62
Union	68	11,800	3.38	11.63	123.8	29.22
Webster	1,165	11,941	3.10	10.90	113.2	27.02
Tennessee	454	12,493	.81	11.95	132.3	33.06
Sequatchie	454	12,493	.81	11.95	132.3	33.06
Texas Municipal Power Agency Gibbons Creek	3,277	4,941	1.40	20.58	158.5	15.66
Texas	3,277	4,941	1.40	20.58	158.5	15.66
Grimes	3,094	4,833	1.42	20.89	160.7	15.53
Robertson	184	6,765	1.06	15.43	131.8	17.83
Texas-New Mexico Power Co TNP 1	1,668	6,730	1.03	15.72	153.2	20.62
Texas	1,668	6,730	1.03	15.72	153.2	20.62
Robertson	1,668	6,730	1.03	15.72	153.2	20.62
Texas Utilities Electric Co Big Brown	5,203	6,408	.80	17.71	111.4	14.27
Texas	5,203	6,408	.80	17.71	111.4	14.27
Freestone	5,203	6,408	.80	17.71	111.4	14.27
Texas Utilities Electric Co Martin Lake	13,830	6,612	1.13	12.88	95.1	12.57
Texas	13,830	6,612	1.13	12.88	95.1	12.57
Rusk	13,830	6,612	1.13	12.88	95.1	12.57
Texas Utilities Electric Co Monticello	10,971	5,826	.49	20.39	112.8	13.14

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Texas Utilities Electric Co Monticello						
Texas	10,971	5,826	0.49	20.39	112.8	13.14
Titus	10,971	5,826	.49	20.39	112.8	13.14
Texas Utilities Electric Co Sandow No 4	3,464	6,308	1.10	20.83	107.0	13.49
Texas	3,464	6,308	1.10	20.83	107.0	13.49
Milam	3,464	6,308	1.10	20.83	107.0	13.49
Toledo Edison Co Acme	57	12,721	.66	8.81	178.0	45.29
West Virginia	57	12,721	.66	8.81	178.0	45.29
Mingo	57	12,721	.66	8.81	178.0	45.29
Toledo Edison Co Bay Shore	1,195	12,933	1.14	7.99	202.6	52.41
Kentucky	30	12,681	.84	8.00	141.9	35.99
Knott	30	12,681	.84	8.00	141.9	35.99
West Virginia	1,165	12,939	1.14	7.99	204.1	52.83
Mingo	1,165	12,939	1.14	7.99	204.1	52.83
Tri-State G & T Assn, Inc. Craig	4,493	10,220	.37	6.49	111.6	22.81
Colorado	4,493	10,220	.37	6.49	111.6	22.81
Moffat	4,278	10,203	.36	6.42	113.6	23.19
Routt	214	10,575	.51	7.97	71.9	15.20
Tri-State G & T Assn, Inc. Nucla	240	8,409	.81	24.79	94.1	15.82
Colorado	240	8,409	.81	24.79	94.1	15.82
Garfield	8	10,004	.43	17.67	124.4	24.89
Montrose	232	8,354	.83	25.03	92.8	15.51
Tucson Electric Power Co Irvington	199	10,060	.45	12.61	234.1	47.11
New Mexico	199	10,060	.45	12.61	234.1	47.11
McKinley	199	10,060	.45	12.61	234.1	47.11
Union Electric Co Labadie	5,468	10,151	1.55	7.50	116.0	23.54
Colorado	487	11,750	.47	9.60	161.0	37.84
Gunnison	487	11,750	.47	9.60	161.0	37.84
Illinois	2,480	11,202	3.09	10.09	128.6	28.82
Jefferson	9	11,800	1.30	7.30	214.2	50.55
Perry	2,471	11,200	3.10	10.10	128.3	28.74
Wyoming	2,501	8,798	.22	4.52	88.3	15.53
Campbell	2,501	8,798	.22	4.52	88.3	15.53
Union Electric Co Meramec	773	11,648	1.28	8.37	200.1	46.61
Illinois	773	11,648	1.28	8.37	200.1	46.61
Jefferson	201	11,500	1.27	12.00	142.3	32.73
Saline	572	11,700	1.28	7.10	220.1	51.49
Union Electric Co Rush Island	2,541	11,102	1.12	7.83	178.9	39.71
Illinois	2,042	11,692	1.29	8.42	192.8	45.08
Jefferson	1,386	11,689	1.29	9.05	193.2	45.16
Saline	656	11,700	1.28	7.10	191.9	44.91
Wyoming	499	8,685	.45	5.42	102.2	17.76
Campbell	499	8,685	.45	5.42	102.2	17.76
Union Electric Co Sioux	1,845	11,317	2.39	8.22	174.8	39.56
Illinois	1,714	11,521	2.54	8.41	178.9	41.23
Perry	483	11,321	2.89	9.47	155.3	35.17
Saline	1,231	11,600	2.40	8.00	188.0	43.61
Wyoming	131	8,650	.52	5.70	102.0	17.65
Campbell	131	8,650	.52	5.70	102.0	17.65
United Illuminating Co Bridgeport Harbor	793	13,167	.55	6.25	194.8	51.30
Kentucky	772	13,162	.55	6.25	195.5	51.47
Pike	772	13,162	.55	6.25	195.5	51.47
West Virginia	21	13,351	.67	6.20	168.9	45.10
Mingo	21	13,351	.67	6.20	168.9	45.10
United Power Assn Stanton	1,067	6,744	.71	8.66	68.5	9.23

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, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
United Power Assn Stanton						
North Dakota	1,062	6,732	0.71	8.69	68.5	9.22
Mercer	1,062	6,732	.71	8.69	68.5	9.22
Wyoming	5	9,276	.52	4.30	67.8	12.58
Sheridan	5	9,276	.52	4.30	67.8	12.58
Virginia Electric & Power Co Bremo Bluff	463	12,653	.83	9.39	150.0	37.97
Kentucky	63	12,788	.89	7.91	147.9	37.84
Floyd	7	12,639	.86	6.90	147.3	37.23
Martin	15	12,366	.73	7.60	138.0	34.13
Pike	41	12,970	.96	8.20	151.6	39.33
Virginia	36	12,875	1.14	9.36	149.1	38.39
Wise	36	12,875	1.14	9.36	149.1	38.39
West Virginia	365	12,607	.79	9.64	150.5	37.95
Boone	233	12,616	.83	9.56	154.1	38.89
Logan	131	12,593	.72	9.80	144.0	36.28
Virginia Electric & Power Co Chesapeake Energy	1,125	13,062	1.10	8.61	150.4	39.28
Virginia	987	13,109	1.13	8.49	150.7	39.51
Buchanan	410	13,122	1.27	8.65	149.6	39.27
Dickenson	181	13,169	.84	8.88	152.4	40.14
Wise	395	13,068	1.11	8.16	151.0	39.46
West Virginia	138	12,724	.87	9.42	147.9	37.64
Mingo	138	12,724	.87	9.42	147.9	37.64
Virginia Electric & Power Co Chesterfield	2,968	12,841	1.13	8.72	146.7	37.67
Kentucky	1,680	12,721	1.08	8.79	146.5	37.27
Breathitt	61	12,443	1.06	8.52	148.9	37.07
Harlan	50	12,769	1.04	7.85	145.1	37.06
Knott	344	12,653	.92	8.40	146.1	36.97
Letcher	82	12,825	1.11	7.92	141.6	36.31
Pike	1,142	12,746	1.12	9.03	146.9	37.44
Virginia	621	13,012	1.13	8.56	147.2	38.30
Buchanan	258	13,036	1.25	8.88	146.9	38.30
Dickenson	39	13,065	.81	8.58	160.7	41.98
Lee	16	13,089	.94	6.07	145.9	38.19
Wise	308	12,982	1.08	8.41	145.7	37.84
West Virginia	667	12,984	1.26	8.70	146.7	38.09
Boone	609	13,023	1.29	8.59	146.4	38.14
Logan	23	12,693	.80	8.31	145.8	37.02
Mingo	34	12,487	.97	10.87	151.4	37.80
Virginia Electric & Power Co Mount Storm	4,541	12,273	1.78	14.33	139.1	34.14
Maryland	1,531	12,375	1.79	14.16	118.5	29.32
Allegany	240	11,803	1.79	16.87	112.0	26.43
Garrett	1,291	12,482	1.79	13.66	119.6	29.85
Pennsylvania	48	11,715	1.79	17.32	108.3	25.38
Somerset	48	11,715	1.79	17.32	108.3	25.38
West Virginia	2,962	12,229	1.77	14.37	150.3	36.77
Barbour	178	11,796	1.91	17.79	113.9	26.87
Grant	2,447	12,314	1.77	13.80	157.8	38.87
Mineral	248	11,709	1.75	17.38	113.6	26.59
Preston	68	12,334	1.69	14.24	111.5	27.50
Randolph	6	11,784	1.48	17.66	111.6	26.31
Upshur	14	11,758	1.72	17.10	110.0	25.86
Virginia Electric & Power Co Possum Point	743	12,717	1.07	8.43	153.2	38.97
Kentucky	610	12,696	1.10	8.47	153.1	38.88
Breathitt	7	12,628	1.11	9.30	160.1	40.43
Knott	40	12,675	.91	8.03	152.0	38.54
Perry	44	13,153	.87	7.23	145.6	38.30
Pike	519	12,660	1.13	8.60	153.8	38.93
Virginia	49	13,003	1.05	7.52	147.4	38.32
Buchanan	7	12,634	1.18	10.70	147.1	37.17
Lee	42	13,066	1.02	6.96	147.4	38.52
West Virginia	83	12,704	.83	8.65	157.4	40.00
Boone	83	12,704	.83	8.65	157.4	40.00
Virginia Electric & Power Co Yorktown	676	13,135	1.57	8.61	156.4	41.10

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Virginia Electric & Power Co Yorktown						
Kentucky	132	12,906	1.28	8.23	155.5	40.15
Harlan	14	12,740	1.26	9.35	144.4	36.78
Pike	118	12,926	1.28	8.10	156.9	40.55
Virginia	285	13,110	1.36	9.47	147.8	38.76
Buchanan	87	13,176	1.29	9.19	147.9	38.98
Dickenson	158	13,083	1.43	9.63	148.1	38.76
Lee	7	13,027	1.13	6.30	147.3	38.38
Wise	34	13,083	1.25	10.05	146.4	38.30
West Virginia	259	13,280	1.96	7.87	166.2	44.15
Boone	94	13,142	1.41	8.64	146.3	38.46
Monongalia	165	13,358	2.27	7.43	177.3	47.38
West Penn Power Co Armstrong	970	12,430	1.96	11.16	117.5	29.21
Pennsylvania	970	12,430	1.96	11.16	117.5	29.21
Armstrong	430	12,121	2.02	12.41	100.4	24.33
Butler	24	11,885	2.11	12.64	94.4	22.45
Greene	60	13,072	2.21	7.56	99.8	26.10
Jefferson	456	12,666	1.86	10.36	136.5	34.57
Unknown	1	11,630	2.08	14.80	89.5	20.82
West Penn Power Co Hatfield	3,822	12,924	2.22	9.29	153.3	39.61
Pennsylvania	35	13,194	1.70	7.75	156.1	41.20
Greene	35	13,194	1.70	7.75	156.1	41.20
West Virginia	3,787	12,921	2.22	9.30	153.2	39.60
Monongalia	3,787	12,921	2.22	9.30	153.2	39.60
West Penn Power Co Mitchell	655	12,365	2.63	12.46	130.9	32.38
West Virginia	655	12,365	2.63	12.46	130.9	32.38
Monongalia	655	12,365	2.63	12.46	130.9	32.38
West Texas Utilities Co Oklahoma	2,878	8,376	.35	4.84	152.7	25.59
Wyoming	2,878	8,376	.35	4.84	152.7	25.59
Campbell	2,878	8,376	.35	4.84	152.7	25.59
Western Farmers Elec Coop Inc Hugo	1,426	8,407	.44	5.20	178.1	29.95
Oklahoma	6	12,676	.62	9.47	177.0	44.87
Haskell	4	12,541	.71	11.36	177.0	44.39
Wagoner	2	12,938	.45	5.80	177.0	45.80
Wyoming	1,420	8,389	.44	5.18	178.2	29.89
Campbell	1,420	8,389	.44	5.18	178.2	29.89
Western Resources, Inc. Lawrence	1,122	10,574	.43	9.04	122.8	25.97
Colorado	240	11,181	.46	9.56	112.3	25.12
Fremont	34	11,030	.74	8.20	118.0	26.03
Routt	206	11,206	.41	9.78	111.4	24.96
Wyoming	882	10,408	.42	8.89	125.9	26.21
Carbon	882	10,408	.42	8.89	125.9	26.21
Western Resources, Inc. Jeffrey Energy	5,818	8,345	.32	4.88	132.4	22.09
Wyoming	5,818	8,345	.32	4.88	132.4	22.09
Campbell	5,818	8,345	.32	4.88	132.4	22.09
Western Resources, Inc. Tecumseh	409	10,585	.42	9.18	122.5	25.93
Colorado	88	11,226	.41	9.82	111.9	25.12
Routt	88	11,226	.41	9.82	111.9	25.12
Wyoming	321	10,409	.43	9.00	125.6	26.15
Carbon	321	10,409	.43	9.00	125.6	26.15
Wisconsin Electric Power Co Oak Creek	1,758	12,752	1.30	8.46	152.0	38.78
Illinois	304	11,935	1.77	7.60	155.2	37.05
Franklin	304	11,935	1.77	7.60	155.2	37.05
New Mexico	578	12,394	.55	12.49	150.7	37.36
Colfax	578	12,394	.55	12.49	150.7	37.36
Pennsylvania	876	13,271	1.63	6.11	151.9	40.31
Greene	876	13,271	1.63	6.11	151.9	40.31
Wisconsin Electric Power Co Pleasant Prairie	4,438	8,500	.38	5.06	90.3	15.36

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Plant Origin State County	Quantity (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)
Wisconsin Electric Power Co Pleasant Prairie						
Wyoming	4,438	8,500	0.38	5.06	90.3	15.36
Campbell	4,438	8,500	.38	5.06	90.3	15.36
Wisconsin Electric Power Co Port Washington	138	13,243	1.44	6.21	154.0	40.78
Pennsylvania	138	13,243	1.44	6.21	154.0	40.78
Greene	138	13,243	1.44	6.21	154.0	40.78
Wisconsin Electric Power Co Presque Isle	1,423	10,425	.62	7.14	164.6	34.33
Kentucky	262	12,986	.74	7.74	145.8	37.87
Martin	138	12,989	.74	7.77	143.3	37.22
Pike	124	12,984	.74	7.71	148.6	38.58
Montana	859	8,875	.56	6.83	182.5	32.38
Big Horn	630	8,873	.55	6.83	184.7	32.78
Rosebud	228	8,879	.56	6.84	176.2	31.28
West Virginia	277	12,984	.73	7.69	147.1	38.19
Mingo	277	12,984	.73	7.69	147.1	38.19
Wyoming	25	8,538	.42	5.30	125.3	21.40
Campbell	25	8,538	.42	5.30	125.3	21.40
Wisconsin Electric Power Co Valley	520	13,229	1.55	6.32	166.8	44.13
Pennsylvania	520	13,229	1.55	6.32	166.8	44.13
Greene	520	13,229	1.55	6.32	166.8	44.13
Wisconsin Power & Light Co Columbia	3,558	8,717	.46	6.54	129.3	22.55
Montana	1,604	8,693	.73	8.76	161.5	28.09
Rosebud	1,604	8,693	.73	8.76	161.5	28.09
Wyoming	1,954	8,737	.25	4.71	103.0	18.01
Campbell	1,954	8,737	.25	4.71	103.0	18.01
Wisconsin Power & Light Co Edgewater	2,136	9,730	1.05	6.44	150.2	29.23
Indiana	803	11,209	2.23	9.04	188.0	42.14
Daviess	803	11,209	2.23	9.04	188.0	42.14
Virginia	10	14,190	.70	3.92	174.3	49.47
Buchanan	10	14,190	.70	3.92	174.3	49.47
Wyoming	1,323	8,798	.33	4.89	120.8	21.25
Campbell	1,323	8,798	.33	4.89	120.8	21.25
Wisconsin Power & Light Co Nelson Dewey	447	10,386	.58	4.40	127.6	26.51
Illinois	11	12,246	1.04	5.12	136.7	33.48
Jefferson	11	12,246	1.04	5.12	136.7	33.48
Indiana	86	11,596	1.44	5.81	146.7	34.02
Spencer	86	11,596	1.44	5.81	146.7	34.02
Montana	243	9,431	.31	3.80	115.3	21.76
Big Horn	243	9,431	.31	3.80	115.3	21.76
Virginia	52	14,109	.67	4.25	150.7	42.52
Buchanan	52	14,109	.67	4.25	150.7	42.52
Wyoming	55	8,810	.20	4.80	108.9	19.19
Campbell	55	8,810	.20	4.80	108.9	19.19
Wisconsin Power & Light Co Rock River	191	11,089	1.92	8.75	195.5	43.37
Indiana	180	11,186	2.02	9.05	198.9	44.50
Daviess	180	11,186	2.02	9.05	198.9	44.50
Montana	11	9,502	.34	3.87	130.6	24.82
Big Horn	11	9,502	.34	3.87	130.6	24.82
Wisconsin Public Service Corp Pulliam	594	11,084	1.25	7.58	177.1	39.27
Indiana	236	11,066	2.35	9.92	218.9	48.45
Daviess	236	11,066	2.35	9.92	218.9	48.45
West Virginia	185	13,236	.67	7.09	173.0	45.81
Mingo	185	13,236	.67	7.09	173.0	45.81
Wyoming	173	8,809	.38	4.93	112.1	19.74
Campbell	173	8,809	.38	4.93	112.1	19.74
Wisconsin Public Service Corp Weston	1,606	8,987	.43	5.29	140.0	25.17
Indiana	97	11,029	1.15	9.49	214.8	47.39
Daviess	97	11,029	1.15	9.49	214.8	47.39

See footnotes at end of table.

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

Table 24. Origin of Coal Received by Electric Utility and Plant, 1992 (Continued)

Electric Utility Origin State County	Quantity (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)
Wisconsin Public Service Corp Weston						
West Virginia	19	13,331	0.67	6.85	169.2	45.12
Mingo	19	13,331	.67	6.85	169.2	45.12
Wyoming	1,490	8,799	.38	5.00	133.4	23.47
Campbell	1,490	8,799	.38	5.00	133.4	23.47
Wyandotte Municipal Serv Comm Wyandotte	104	13,289	.88	5.65	187.2	49.75
West Virginia	104	13,289	.88	5.65	187.2	49.75
Boone	104	13,289	.88	5.65	187.2	49.75
Total	775,963	10,395	1.29	9.71	141.2	29.36

* = 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

This chapter provides 1992 data on the quantity, quality, and cost of fossil fuels received at the plant and electric utility level (Table 31). The fuels received by these plants are described by quantity (thousand short tons, thousand barrels, or thousand cubic feet) and cost (cents per million Btu and dollars per short ton, barrel,

or thousand cubic feet). The costs reported by electric utilities include all costs incurred (including transportation, taxes, etc.) for delivery of fuel to the electric plant. In addition, coal and petroleum are described by their quality, referring to the average percentage of sulfur and ash content and the average Btu content.

The Ohio Edison Company's R. E. Burger Station entered commercial operation in 1944. This 5-unit coal-fired plant, located on the Ohio River, has a generator nameplate capacity of 518 megawatts and burns primarily high-sulfur Ohio coal.

Top Electric Utilities, Ranked by Receipts

Coal

The Tennessee Valley Authority (TVA) reported the highest quantity of coal receipts of any electric utility in the Nation (Table 25). In 1992, the TVA, which operates coal-fired plants in Alabama, Kentucky, and Tennessee, received 36 million short tons of coal, an increase of 3 million short tons from 1991.

The Texas Utilities Electric Company (TU) reported the second highest quantity of coal receipts, with 33 million short tons of lignite delivered to four generating plants in Texas. Since the Btu content of lignite is approximately half that of bituminous coal, the amount of electricity that the company generated is equivalent to the generation produced from 15 to 20 million short tons of bituminous coal.

PacifiCorp ranked third in total coal receipts, with 30 million short tons received in 1992. PacifiCorp (formed by the merger of the Pacific Power & Light Company and the Utah Power & Light Company) operates coal-fired plants in Utah, Washington, and Wyoming. PacifiCorp's plants in Utah receive mostly in-State high-Btu bituminous coal, while its Wyoming plants primarily receive subbituminous coal from Wyoming. The Georgia Power Company and the Detroit Edison Company ranked fourth and fifth, respectively, in total coal receipts.

Petroleum

Electric utilities located in Florida and New York led the list of the top 20 companies, ranked by total receipts of petroleum (Table 26). Number 6 fuel oil is the primary grade of petroleum consumed in large quantities by these electric utilities. The Florida Power & Light Company (FP&L) reported the highest total receipts of petroleum, 29 million barrels in 1992. The Florida Power Corporation ranked second in petroleum receipts with 11 million barrels. The Long Island Lighting Company (LILCO) ranked third with nearly 11 million barrels, its lowest total since the FERC Form 423 data collection began. Ranked fourth in terms of petroleum receipts was the Canal Electric Company (Massachusetts) at 10 million barrels. The Consolidated Edison Company of New York (ConEd) ranked fifth in total petroleum receipts, with 9 million barrels received in 1992. This is the lowest amount of petroleum received by ConEd since data collection on the FERC Form 423 began in 1972.

Gas

The top 20 electric utilities in 1992, ranked according to receipts of gas, show TU first with a level of 301 billion cubic feet (Table 27). The Pacific Gas & Electric Company (PG&E) ranked second in receipts of gas with 266 billion cubic feet. The Houston Lighting & Power Company (HL&P) ranked third with 217 billion cubic feet; The Southern California Edison Company ranked fourth; Gulf States Utilities ranked fifth with 189 billion cubic feet and 187 billion cubic feet, respectively.

Table 25. The Top 20 Electric Utilities Ranked by Receipts of Coal, 1992

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	35,717	123.0	29.34	1,048.0
2. Texas Utilities Electric Co	33,468	104.3	13.12	439.0
3. PacifiCorp	30,124	93.8	17.69	532.8
4. Georgia Power Co	22,695	180.3	43.40	985.1
5. Detroit Edison Co	18,001	150.2	31.62	569.1
6. Alabama Power Co	17,106	193.6	46.78	800.1
7. Pennsylvania Electric Co	16,890	131.0	32.02	540.8
8. Houston Lighting & Power Co	16,695	202.8	31.00	517.6
9. Basin Electric Power Coop	15,155	67.1	9.80	148.5
10. PSI Energy Inc	13,834	144.2	31.95	442.0
11. Ohio Power Co	13,195	158.9	37.06	489.0
12. Arizona Public Service Co	12,665	118.8	21.63	274.0
13. Northern States Power Co	11,687	118.1	20.72	242.1
14. Monogahela Power Co	11,586	127.9	32.72	379.1
15. Duke Power Co	10,746	172.2	43.03	462.4
16. Montana Power Co	10,683	70.3	12.11	129.3
17. Union Electric Co	10,627	149.1	31.87	338.7
18. Indiana Michigan Power	10,598	119.6	21.50	227.9
19. Virginia Electric & Power Co	10,516	145.2	36.64	385.3
20. Carolina Power & Light	10,403	172.6	42.86	445.9

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, 1992

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	28,745	244.7	15.58	447.7
2. Florida Power Corp	10,960	236.6	15.07	165.1
3. Long Island Lighting Co	10,542	281.0	17.93	189.0
4. Canal Electric Co	9,789	198.2	12.59	123.3
5. Consolidated Edison Co-NY Inc	8,949	277.6	17.35	155.3
6. Hawaiian Electric Co Inc	8,324	292.1	18.32	152.5
7. Central Hudson Gas & Elec Corp	6,618	226.3	14.47	95.9
8. Boston Edison Co	6,377	235.1	14.96	95.4
9. New England Power Co	5,151	306.5	19.53	100.6
10. Connecticut Light & Power Co	5,079	245.6	15.48	78.6
11. Niagara Mohawk Power Corp	4,338	251.1	15.96	69.2
12. United Illuminating Co	4,029	235.2	15.00	60.4
13. Potomac Electric Power	3,783	241.7	15.22	57.6
14. Virginia Electric & Power Co	2,764	245.0	15.34	42.4
15. Public Service Co of NH	2,605	185.8	12.23	31.9
16. Delmarva Power & Light	2,563	228.1	14.47	37.1
17. Pennsylvania Power & Light Co	2,365	244.6	15.54	36.7
18. Orange and Rockland Utils Inc	2,219	268.7	16.86	37.4
19. Central Maine Power Co	2,178	228.0	14.43	31.4
20. Commonwealth Edison Company	2,102	297.0	18.85	39.6

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, 1992

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	300,881	269.1	2.78	835.3
2. Pacific Gas & Electric Co	266,457	252.8	2.59	689.6
3. Houston Lighting & Power Co	217,470	186.4	1.91	415.2
4. Southern California Edison Co	188,582	282.2	2.95	556.7
5. Gulf States Utilities Co	187,379	193.7	2.01	375.8
6. Florida Power & Light Co	124,153	224.9	2.25	279.2
7. Louisiana Power & Light Co	111,426	174.1	1.82	202.3
8. Consolidated Edison Co-NY Inc	86,468	228.3	2.36	203.7
9. Central Power & Light Co	85,938	209.8	2.17	186.9
10. Public Service Co of Oklahoma	67,103	303.1	3.15	211.7
11. Oklahoma Gas & Electric Co	64,194	341.3	3.54	227.2
12. Los Angeles City of	53,593	304.4	3.16	169.4
13. Southwestern Public Service	48,951	175.3	1.77	86.7
14. San Diego Gas & Electric Co	47,131	290.0	2.99	140.8
15. West Texas Utilities Co	38,846	200.3	2.03	78.9
16. Long Island Lighting Co	32,681	218.3	2.25	73.5
17. Mississippi Power & Light	31,721	179.3	1.85	58.7
18. Boston Edison Company	29,129	252.8	2.61	76.1
19. San Antonio City Pub Service	28,975	194.5	1.98	57.4
20. Central Louisiana Electric	28,234	204.6	2.13	60.1

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

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

Electric Utilities With Unique Situations

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

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

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

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

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

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

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

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

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

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

Table 28. Receipts of Petroleum Coke by Electric Utility, 1992

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 Elec Power Coop MO	11	14,230	4.90	0.98	69.1	19.67
Cincinnati Gas and Electric Co	114	12,863	3.64	.85	74.9	19.28
Commonwealth Edison Company	3	14,182	4.46	.80	55.6	15.76
Iowa Electric Light and Power	51	14,388	5.26	.51	97.7	28.12
Iowa Southern Utilities	2	13,563	5.07	.35	61.9	16.79
Manitowoc Public Utilities	8	13,903	5.28	.53	83.0	23.08
Northern Indiana Pub Serv Co	52	13,970	4.80	1.30	80.2	22.40
Northern States Power Co	213	14,044	5.38	.55	69.5	19.53
Pennsylvania Power & Light Co	201	14,181	5.68	.71	77.6	22.01
PSI Energy Inc	33	14,060	4.95	.62	51.8	14.57
Total	687	13,909	5.09	.71	75.0	20.85

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, 1992

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	100	151,992	0.97	265.0	16.92
Baltimore Gas & Electric Co	710	151,183	.98	230.0	14.61
Bangor Hydro-Electric Co	19	151,907	.67	316.0	20.16
Boston Edison Co	6,354	151,556	.79	234.4	14.92
Cambridge Electric Light Co	176	151,179	.48	258.8	16.43
Canal Electric Co	9,759	151,267	1.91	198.2	12.59
Central Hudson Gas & Elec Corp	6,612	152,296	1.11	226.1	14.46
Central Maine Power Co	2,158	150,796	.95	226.2	14.32
Commonwealth Edison Co	1,867	152,723	.69	281.2	18.03
Commonwealth Electric Co	29	151,424	.97	221.7	14.10
Connecticut Light & Power Co	5,055	150,176	.82	244.5	15.42
Consolidated Edison Co-NY Inc	8,949	148,837	.27	277.6	17.35
Consumers Power Co	476	153,462	.96	232.8	15.01
Coop Power Assn	4	147,000	2.50	245.5	15.16
Delmarva Power & Light Co	2,446	151,640	1.29	218.6	13.92
Detroit City of	181	143,423	.7	275.4	16.59
Dover City of	439	150,212	1.4	255.8	16.14
Florida Power & Light Co	28,745	151,537	1.4	244.7	15.58
Florida Power Corp	10,827	151,732	1.4	234.3	14.93
Fort Pierce City of	1	143,184	.7	318.5	19.15
Georgia Power Co	40	149,500	2.1	304.9	19.14
Hawaiian Electric Co Inc	8,324	149,295	.4	292.1	18.32
Illinois Power Co	63	150,000	.8	277.7	17.50
Jacksonville Electric Auth	1,730	151,460	1.7	197.1	12.54
Jersey Central Power&Light Co	96	151,206	.6	313.7	19.92
Lakeland City of	101	149,559	2.2	261.3	16.41
Long Island Lighting Co	10,542	151,940	.9	281.0	17.93
Louisiana Power & Light Co	14	150,602	1.0	220.0	13.91
Mississippi Power & Light Co	572	153,458	2.9	185.0	11.93
Montaup Electric Co	93	151,601	1.1	243.6	15.51
Nevada Power Co	17	154,762	.4	365.6	23.76
New England Power Co	5,151	151,701	2.0	306.5	19.53
New Orleans Public Service Inc	3	150,751	1.4	196.0	12.41
Niagara Mohawk Power Corp	4,303	151,406	1.2	249.5	15.87
Orange & Rockland Utilis Inc	2,219	149,397	.3	268.7	16.86
Orlando Utilities Comm	971	151,348	1.1	224.9	14.29
Pennsylvania Power & Light Co	2,153	152,385	.8	228.5	14.63
Philadelphia Electric Co	835	152,343	.4	287.8	18.42
Potomac Electric Power Co	3,282	151,393	1.5	220.1	13.99
Power Authority of State of NY	905	148,647	.3	269.8	16.84
Public Service Co of NH	2,574	156,976	1.7	183.1	12.07
Public Service Electric&Gas Co	1,178	148,687	.3	320.2	20.00
Sierra Pacific Power Co	352	147,964	.8	320.8	19.93
Southern California Edison Co	1	144,857	*	217.9	13.26
St Joseph Light & Power Co	189	154,515	2.6	145.3	9.43
Tampa Electric Co	564	151,961	1.0	266.9	17.04
Taunton City of	89	149,148	2.0	227.9	14.28
United Illuminating Co	4,019	151,801	1.0	234.8	14.97
Vineland City of	131	150,907	.9	263.6	16.71
Virginia Electric & Power Co	2,622	149,539	1.0	232.9	14.63
Western Massachusetts Elec Co	192	151,653	1.0	247.7	15.78
Total	138,261	151,245	1.13	247.28	15.71

* = 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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992

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	787	12,076	1.41	12.01	152.3	36.79	608	12,281	1.14	12.24	143.1	35.14
Lowman (AL)	787	12,076	1.41	12.01	152.3	36.79	608	12,281	1.14	12.24	143.1	35.14
Alabama Power Co	15,041	12,099	1.16	12.02	202.8	49.08	2,065	11,973	1.63	12.76	125.2	29.98
Barry (AL)	792	12,341	.92	11.25	216.5	53.43	40	11,718	1.01	12.24	142.4	33.37
Gadsden (AL)	135	12,530	1.79	12.45	182.7	45.80	--	--	--	--	--	--
Gorgas 2 and 3 (AL)	5,157	11,799	1.18	13.65	186.3	43.96	1,438	11,932	1.87	13.00	121.4	28.96
Greene (AL)	1,169	12,274	1.40	9.00	142.0	34.86	176	11,867	1.96	12.93	125.5	29.78
Gaston (AL)	3,782	12,059	1.66	11.92	175.7	42.37	58	12,055	1.92	12.24	113.3	27.31
James Miller (AL)	4,005	12,409	.61	11.02	263.6	65.41	353	12,207	.53	11.85	140.4	34.27
American Mun Power Ohio Inc	--	--	--	--	--	--	891	11,337	4.55	14.59	96.9	21.96
Gorsuch (OH)	--	--	--	--	--	--	891	11,337	4.55	14.59	96.9	21.96
Ames City of	156	8,762	.19	4.59	132.8	23.28	--	--	--	--	--	--
Ames (IA)	156	8,762	.19	4.59	132.8	23.28	--	--	--	--	--	--
Appalachian Power Co	8,543	12,488	.76	11.16	175.4	43.80	514	12,469	.76	13.20	114.2	28.47
Clinch River (VA)	1,194	12,631	.75	12.61	134.7	34.02	509	12,468	.76	13.22	114.0	28.44
Glen Lyn (VA)	448	12,892	.91	10.12	138.6	35.75	4	12,530	.90	10.81	131.1	32.85
Amos (WV)	4,244	12,378	.79	11.27	193.5	47.90	--	--	--	--	--	--
Kanawha River (WV)	368	12,578	.80	11.49	172.6	43.41	--	--	--	--	--	--
Mountaineer (WV)	2,289	12,523	.68	10.37	171.4	42.93	--	--	--	--	--	--
Arizona Electric Pwr Coop Inc	119	12,158	.41	15.76	167.5	40.74	86	9,984	.43	12.42	127.7	25.50
Apache (AZ)	119	12,158	.41	15.76	167.5	40.74	86	9,984	.43	12.42	127.7	25.50
Arizona Public Service Co	11,336	9,025	.72	20.35	121.2	21.88	1,329	9,786	.45	14.27	99.7	19.51
Cholla (AZ)	2,401	9,834	.44	13.68	169.8	33.39	1,329	9,786	.45	14.27	99.7	19.51
Four Corners (NM)	8,935	8,808	.79	22.14	106.7	18.79	--	--	--	--	--	--
Arkansas Power & Light Co	9,967	8,787	.32	5.20	166.9	29.33	--	--	--	--	--	--
Whitebluff (AR)	4,953	8,730	.43	5.70	173.0	30.21	--	--	--	--	--	--
Independence (AR)	5,014	8,843	.21	4.71	161.0	28.47	--	--	--	--	--	--
Associated Electric Coop Inc	5,238	10,730	3.60	9.96	138.9	29.82	116	8,844	.21	4.57	121.8	21.54
Madrid (MO)	2,732	10,890	3.06	9.74	116.0	25.25	--	--	--	--	--	--
Hill (MO)	2,506	10,555	4.19	10.19	164.8	34.79	116	8,844	.21	4.57	121.8	21.54
Atlantic City Electric Co	765	12,960	2.13	9.21	168.3	43.61	30	13,246	2.02	8.05	153.1	40.55
England (NJ)	629	13,015	2.43	8.97	166.3	43.29	23	13,443	2.39	7.07	149.4	40.18
Deepwater (NJ)	136	12,707	.76	10.30	177.5	45.12	7	12,654	.91	11.00	164.7	41.68
Baltimore Gas & Electric Co	3,370	12,872	.94	8.98	156.0	40.16	769	13,036	1.01	8.38	145.3	37.89
Brandon Shores (MD)	2,093	12,699	.68	9.76	155.7	39.54	440	12,768	.69	9.39	143.2	36.58
Crane (MD)	488	13,377	2.20	6.61	142.6	38.16	237	13,598	1.67	6.49	148.6	40.40
Wagner (MD)	789	13,018	.86	8.35	165.3	43.03	92	12,869	.82	8.42	146.3	37.66
Basin Electric Power Coop	15,155	7,302	.66	7.43	67.1	9.80	--	--	--	--	--	--
Leland Olds (ND)	3,047	6,427	.66	9.13	95.9	12.33	--	--	--	--	--	--
Laramie River (WY)	6,914	8,207	.35	5.09	52.7	8.64	--	--	--	--	--	--
Antelope Valley (ND)	5,193	6,612	1.08	9.53	74.4	9.84	--	--	--	--	--	--
Big Rivers Electric Corp	4,534	11,270	3.09	11.72	121.3	27.34	--	--	--	--	--	--
Coleman (KY)	1,133	11,267	2.54	8.08	97.4	21.95	--	--	--	--	--	--
Reid-Henderson (KY)	658	12,210	2.33	9.42	121.4	29.65	--	--	--	--	--	--
R D Green (KY)	1,482	10,492	3.78	16.15	119.0	24.96	--	--	--	--	--	--
Wilson (KY)	1,260	11,698	3.17	11.00	144.3	33.77	--	--	--	--	--	--
Cajun Electric Power Coop Inc	5,344	8,368	.46	5.30	147.5	24.69	--	--	--	--	--	--
Big Cajun No.2 (LA)	5,344	8,368	.46	5.30	147.5	24.69	--	--	--	--	--	--
Cardinal Operating Co	3,887	11,822	2.10	12.95	152.3	36.00	390	12,045	2.71	12.14	106.3	25.60
Cardinal (OH)	3,887	11,822	2.10	12.95	152.3	36.00	390	12,045	2.71	12.14	106.3	25.60

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)
Carolina Power & Light Co	8,226	12,408	0.88	10.46	180.1	44.70	2,177	12,452	0.85	9.87	144.2	35.90
Asheville (NC)	755	13,087	1.18	8.79	132.8	34.75	34	12,940	1.24	9.14	139.9	36.20
Cape Fear (NC)	331	12,781	.97	8.46	211.7	54.11	96	12,810	.98	9.26	146.7	37.59
Lee (NC)	418	12,808	1.01	8.62	208.0	53.29	162	12,347	.91	10.41	144.8	35.76
Roxboro (NC)	4,932	12,339	.88	10.67	179.4	44.27	805	12,519	.73	9.22	138.2	34.59
Sutton (NC)	168	12,451	.93	11.07	171.6	42.74	599	12,431	.92	10.16	150.4	37.40
Weatherspoon (NC)	86	12,694	.98	9.94	177.3	45.01	153	12,253	1.12	9.96	153.2	37.55
Robinson (SC)	158	12,416	1.08	9.15	184.9	45.92	113	12,494	1.00	9.18	152.5	38.11
Mayo (NC)	1,378	12,048	.64	11.77	194.6	46.88	216	12,218	.67	11.70	137.5	33.60
Cedar Falls City of	--	--	--	--	--	--	10	11,188	2.72	9.11	140.9	31.54
Streeter (IA)	--	--	--	--	--	--	10	11,188	2.72	9.11	140.9	31.54
Central Electric Pwr Coop-MO	--	--	--	--	--	--	83	10,971	3.14	9.90	118.5	26.00
Chamois (MO)	--	--	--	--	--	--	83	10,971	3.14	9.90	118.5	26.00
Central Hudson Gas & Elec Corp ...	701	13,034	.60	7.57	182.2	47.51	180	12,955	.58	7.22	181.4	47.00
Danskammer (NY)	701	13,034	.60	7.57	182.2	47.51	180	12,955	.58	7.22	181.4	47.00
Central Illinois Light Co	1,742	11,833	2.18	7.15	173.0	40.93	525	12,361	1.38	7.03	152.7	37.75
Edwards (IL)	804	13,118	.82	6.23	174.7	45.84	449	12,642	1.08	6.89	160.4	40.55
Duck Creek (IL)	938	10,733	3.33	7.94	171.1	36.73	76	10,701	3.20	7.85	99.2	21.24
Central Illinois Pub Serv Co	3,867	11,056	2.81	9.25	162.3	35.90	535	11,809	.56	8.38	142.7	33.71
Coffeen (IL)	1,755	10,562	3.00	8.53	155.6	32.87	--	--	--	--	--	--
Grand Tower (IL)	180	11,543	2.82	11.63	176.5	40.75	--	--	--	--	--	--
Hutsonville (IL)	227	11,314	2.28	8.45	148.4	33.59	3	11,371	1.36	7.30	136.0	30.93
Meredosia (IL)	463	11,540	2.95	5.77	153.1	35.34	66	11,776	1.00	8.30	151.4	35.65
Newton (IL)	1,243	11,455	2.58	11.35	175.0	40.09	467	11,816	.49	8.39	141.5	33.44
Central Iowa Power Coop	85	10,747	2.93	10.46	119.6	25.70	62	11,830	3.31	8.78	105.9	25.05
Fair Station (IA)	85	10,747	2.93	10.46	119.6	25.70	62	11,830	3.31	8.78	105.9	25.05
Central Louisiana Elec Co Inc	5,082	7,605	.56	9.80	156.6	23.82	--	--	--	--	--	--
Dolet Hills (LA)	3,212	6,951	.62	12.14	138.3	19.22	--	--	--	--	--	--
Rodemacher (LA)	1,870	8,727	.45	5.79	181.7	31.71	--	--	--	--	--	--
Central Operating Co	1,366	12,354	1.20	11.61	165.1	40.78	1	12,216	1.37	12.50	117.3	28.66
Sporn (WV)	1,366	12,354	1.20	11.61	165.1	40.78	1	12,216	1.37	12.50	117.3	28.66
Centra: Power & Light Co	1,207	10,548	.36	5.30	225.4	47.54	653	11,774	.49	8.33	167.3	39.39
Coletto Creek (TX)	1,207	10,548	.36	5.30	225.4	47.54	653	11,774	.49	8.33	167.3	39.39
Century Power Corp	2,493	9,117	.63	17.93	170.9	31.16	--	--	--	--	--	--
Springerville (AZ)	2,493	9,117	.63	17.93	170.9	31.16	--	--	--	--	--	--
Cincinnati Gas & Electric Co	7,761	11,994	2.35	10.94	145.7	34.95	1,561	12,178	1.98	10.94	97.8	23.82
Beckjord (OH)	1,236	11,725	1.71	12.56	170.9	40.07	115	12,062	2.36	11.39	99.5	24.00
Miami Fort (OH)	2,231	12,145	1.29	11.08	170.3	41.37	270	12,344	1.55	10.67	108.6	26.80
East Bend (KY)	944	11,793	1.61	12.96	176.5	41.63	232	11,675	1.12	13.85	101.0	23.58
Zimmer (OH)	3,349	12,049	3.49	9.68	111.7	26.91	944	12,268	2.28	10.24	93.7	23.00
Cleveland Electric Illum Co	2,819	12,543	3.08	9.45	165.1	41.43	1,830	13,174	1.87	7.51	132.2	34.82
Ashtabula (OH)	509	12,446	3.95	9.52	175.7	43.72	392	13,353	2.28	7.18	120.8	32.25
Avon Lake (OH)	1,345	12,444	2.49	9.76	158.3	39.41	182	13,280	2.12	7.13	120.1	31.90
Eastlake (OH)	921	12,716	3.58	9.08	169.1	43.01	1,108	13,089	1.84	7.79	133.8	35.04
Lake Shore (OH)	44	13,114	.62	6.76	166.0	43.54	148	13,200	.64	6.79	165.3	43.63
Colorado Springs City of	1,196	10,762	.37	6.03	153.8	33.10	18	11,850	.43	8.08	94.5	22.39
Drake (CO)	604	10,646	.36	5.25	164.3	34.99	--	--	--	--	--	--
Nixon (CO)	592	10,881	.37	6.81	143.2	31.17	18	11,850	.43	8.08	94.5	22.39
Columbia City of	--	--	--	--	--	--	37	13,975	.64	5.62	211.2	59.04
Columbia (MO)	--	--	--	--	--	--	37	13,975	.64	5.62	211.2	59.04

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, 1992 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)
Columbus Southern Power Co	2,673	12,052	3.24	7.93	161.6	38.95	1,056	11,809	3.15	9.57	105.9	25.01
Conesville (OH)	2,652	12,057	3.24	7.92	161.9	39.05	769	11,941	3.18	9.46	106.3	25.39
Picway (OH)	21	11,490	2.90	9.73	114.7	26.35	286	11,454	3.06	9.87	104.8	24.00
Columbus City of	--	--	--	--	--	--	29	12,645	.95	8.49	164.4	41.58
Solid Waste R F (OH)	--	--	--	--	--	--	29	12,645	.95	8.49	164.4	41.58
Commonwealth Edison Co	8,268	9,677	1.00	6.27	263.5	50.99	285	9,827	.69	5.78	112.2	22.05
Crawford (IL)	303	9,392	.42	7.24	314.9	59.16	--	--	--	--	--	--
Joliet (IL)	1,862	9,439	.43	6.84	285.4	53.88	57	8,771	.18	4.46	103.2	18.11
Kincaid (IL)	1,611	10,445	3.52	8.74	170.6	35.63	105	11,611	1.46	7.77	115.7	26.87
Powerton (IL)	1,279	9,583	.35	4.03	267.6	51.29	--	--	--	--	--	--
Waukegan (IL)	825	9,446	.40	6.28	277.0	52.33	55	8,836	.41	5.10	105.4	18.63
Will County (IL)	1,682	9,497	.37	5.29	306.5	58.21	--	--	--	--	--	--
Fisk (IL)	253	9,463	.44	6.87	315.0	59.61	68	11,758	.17	4.39	118.0	20.66
State Line (IN)	452	9,595	.36	4.05	278.5	53.44	--	--	--	--	--	--
Consumers Power Co	4,676	12,274	.75	9.94	170.0	41.72	2,250	11,516	.75	10.14	141.1	32.51
Cobb (MI)	708	11,283	.64	7.73	166.2	37.50	151	10,115	.54	6.82	134.5	27.21
Karn-Wadock (MI)	934	12,218	.85	11.73	158.9	38.83	340	12,097	.87	11.32	139.7	33.79
Campbell (MI)	2,230	12,612	.72	9.45	179.6	45.29	836	11,954	.80	11.15	150.3	35.94
Wadock (MI)	558	12,227	.83	11.31	159.3	38.96	407	9,889	.49	7.18	131.8	26.06
Whiting (MI)	266	12,380	.84	10.96	156.7	38.81	517	12,116	.88	11.05	135.0	32.72
Coop Power Assn	6,949	6,260	.78	10.66	74.6	9.35	489	6,312	.71	10.21	44.7	5.65
Coal Creek (ND)	6,949	6,260	.78	10.66	74.6	9.35	489	6,312	.71	10.21	44.7	5.65
Dairyland Power Coop	950	8,519	.30	4.77	146.2	24.90	1,096	11,410	1.06	7.30	134.8	30.75
Alma-Madgett (WI)	950	8,519	.30	4.77	146.2	24.90	298	10,583	.95	6.35	133.9	28.34
Genoa No.3 (WI)	--	--	--	--	--	--	773	11,702	1.10	7.72	135.1	31.62
Stoneman (WI)	--	--	--	--	--	--	24	12,283	1.11	5.50	134.0	32.92
Dayton Power & Light Co	4,429	11,839	1.08	13.77	165.0	39.08	2,408	11,656	1.49	13.59	98.6	22.99
Hutchings (OH)	--	--	--	--	--	--	51	12,595	.89	10.34	131.3	33.06
Stuart (OH)	4,003	11,801	1.12	13.89	162.7	38.41	1,978	11,551	1.67	13.92	95.0	21.95
Killen (OH)	426	12,204	.65	12.70	186.0	45.39	379	12,082	.64	12.29	111.8	27.03
Delmarva Power & Light Co	1,509	13,065	1.02	8.82	173.4	45.31	22	13,012	1.47	10.09	174.4	45.39
Edgemoor (DE)	554	13,101	.80	8.65	183.4	48.06	--	13,000	.90	8.00	207.0	53.82
Indian River (DE)	956	13,044	1.15	8.91	167.6	43.72	22	13,012	1.47	10.10	174.3	45.35
Deseret Generation & Tran Coop ..	1,517	10,531	.48	10.54	201.4	42.42	--	--	--	--	--	--
Bonanza (UT)	1,517	10,531	.48	10.54	201.4	42.42	--	--	--	--	--	--
Detroit Edison Co	15,693	10,532	.63	5.30	154.6	32.57	2,308	10,499	.69	6.34	119.6	25.11
Harbor Beach (MI)	39	13,142	.85	7.27	162.3	42.66	--	--	--	--	--	--
Marysville (MI)	61	13,065	.85	7.78	183.2	47.86	--	--	--	--	--	--
Monroe (MI)	6,162	11,371	.87	5.95	159.3	36.22	1,658	10,363	.69	5.94	115.0	23.83
River Rouge (MI)	644	12,053	.62	10.23	158.9	38.31	324	11,158	.54	8.05	132.9	29.65
St Clair (MI)	4,202	9,667	.50	4.41	146.2	28.27	237	9,613	.87	6.26	120.5	23.16
Trenton Channel (MI)	1,111	11,241	.59	5.81	163.4	36.74	89	13,004	.69	7.86	144.7	37.64
Belle River (MI)	3,474	9,505	.35	4.07	150.1	28.53	--	--	--	--	--	--
Duke Power Co	7,658	12,486	.98	10.10	184.9	46.18	3,088	12,501	.91	9.64	140.8	35.21
Allen (NC)	877	12,503	1.07	11.47	187.4	46.85	--	--	--	--	--	--
Buck (NC)	45	12,416	.82	9.16	202.5	50.29	216	12,357	1.05	10.52	150.5	37.20
Cliffside (NC)	574	12,651	.97	8.45	190.8	48.29	240	12,722	1.01	9.44	135.3	34.43
Dan River (NC)	20	12,393	.87	9.15	199.9	49.54	226	12,466	.96	10.19	147.8	36.84
Marshall (NC)	2,529	12,521	1.04	10.94	186.4	46.67	1,095	12,539	.90	9.26	139.9	35.08
Riverbend (NC)	145	12,661	1.06	9.17	188.6	47.75	173	12,733	1.07	9.00	142.1	36.18
Lee (SC)	--	--	--	--	--	--	218	12,287	.75	9.15	155.2	38.15
Bellevue Creek (NC)	3,468	12,424	.91	9.46	181.7	45.16	920	12,448	.86	10.04	135.9	33.84

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (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)
Duquesne Light Co	1,550	12,537	1.44	11.34	169.6	42.52	874	12,937	2.21	9.65	110.8	28.66
Elrama (PA)	899	12,357	1.54	12.29	189.8	46.90	205	12,215	2.27	12.51	98.5	24.07
Cheswick (PA)	651	12,787	1.30	10.02	142.6	36.48	669	13,158	2.19	8.77	114.3	30.07
East Kentucky Power Coop Inc	1,608	12,217	1.48	10.94	118.1	28.87	953	12,468	1.18	9.14	108.6	27.07
Cooper (KY)	404	12,249	1.65	10.84	118.2	28.95	328	12,499	1.58	9.16	106.9	26.73
Dale (KY)	—	—	—	—	—	—	287	12,385	.84	8.22	106.8	26.47
Spurlock (KY)	1,204	12,207	1.42	10.97	118.1	28.84	338	12,509	1.08	9.91	111.6	27.92
Electric Energy Inc	2,674	10,893	1.45	6.85	104.8	22.83	434	11,051	2.97	9.40	101.3	22.38
Joppa (IL)	2,674	10,893	1.45	6.85	104.8	22.83	434	11,051	2.97	9.40	101.3	22.38
Empire District Electric Co	1,118	9,275	.62	5.45	99.2	18.41	—	—	—	—	—	—
Riverton (KS)	269	10,041	1.18	6.55	112.7	22.64	—	—	—	—	—	—
Asbury (MO)	848	9,031	.44	5.10	94.5	17.06	—	—	—	—	—	—
Florida Power Corp	4,971	12,594	.82	8.68	181.2	45.63	628	12,582	.93	9.42	160.0	40.26
Crystal River (FL)	3,552	12,664	.81	8.67	187.2	47.41	352	12,650	.89	9.09	163.0	41.24
TTI Transfer (KY)	316	12,338	.93	7.89	140.8	34.74	—	—	—	—	—	—
IMT Transfer (LA)	1,103	12,442	.82	8.92	172.9	43.04	276	12,494	.97	9.84	156.1	39.01
Fremont City of	147	8,705	.32	4.84	84.5	14.71	32	11,117	.61	6.63	147.3	32.75
Wright (NE)	147	8,705	.32	4.84	84.5	14.71	32	11,117	.61	6.63	147.3	32.75
Gainesville Regional Utilities	496	13,206	.68	7.30	172.9	45.66	27	12,956	.70	8.61	176.9	45.85
Deerhaven (FL)	496	13,206	.68	7.30	172.9	45.66	27	12,956	.70	8.61	176.9	45.85
Georgia Power Co	19,539	12,033	1.79	10.08	185.9	44.74	3,156	12,061	1.04	11.55	145.7	35.14
Arkwright (GA)	30	12,951	1.69	9.61	190.4	49.32	—	—	—	—	—	—
Atkinson-McDonough (GA)	1,381	11,882	1.88	9.56	162.9	38.72	3	9,595	.81	24.70	154.6	29.67
Bowen (GA)	7,625	12,157	1.57	10.55	163.8	39.83	457	12,670	1.02	9.13	132.2	33.51
Hammond (GA)	756	12,985	1.67	9.85	175.4	45.55	17	12,318	1.52	10.49	148.5	36.57
Harlee Branch (GA)	1,787	12,520	1.45	9.88	182.7	45.74	1,350	12,166	1.10	10.08	143.3	34.87
Mitchell (GA)	154	12,697	1.32	8.82	185.6	47.13	—	—	—	—	—	—
Yates (GA)	1,434	12,021	2.02	10.20	195.0	46.88	142	11,409	1.67	15.68	140.3	32.02
Wansley (GA)	4,301	11,276	2.78	9.39	209.1	47.16	419	10,321	1.29	20.25	131.8	27.21
Scherer (GA)	2,041	12,420	.67	10.45	237.9	59.10	769	12,586	.67	10.05	164.8	41.48
Grand Haven City of	80	11,002	2.54	10.17	161.8	35.61	125	11,029	2.40	10.01	142.9	31.52
J B Simms (MI)	80	11,002	2.54	10.17	161.8	35.61	125	11,029	2.40	10.01	142.9	31.52
Grand Island City of	—	—	—	—	—	—	275	8,391	.31	5.62	71.0	11.92
Platte (NE)	—	—	—	—	—	—	275	8,391	.31	5.62	71.0	11.92
Grand River Dam Authority	2,959	8,551	.52	5.11	91.2	15.60	634	8,750	.21	4.55	89.9	15.73
GRDA No 1 (OK)	2,959	8,551	.52	5.11	91.2	15.60	634	8,750	.21	4.55	89.9	15.73
Gulf Power Co	1,928	12,010	2.77	8.52	223.2	53.61	1,066	11,878	2.68	8.50	119.7	28.44
Crist (FL)	1,068	12,016	2.74	8.55	222.2	53.39	1,009	11,870	2.67	8.51	118.6	28.15
Scholtz (FL)	—	—	—	—	—	—	32	12,192	3.06	8.84	148.7	36.27
Smith (FL)	860	12,002	2.81	8.47	224.5	53.89	25	11,789	2.63	7.83	129.0	30.41
Gulf States Utilities Co	2,249	8,706	.45	5.86	160.9	28.02	—	—	—	—	—	—
Nelson (LA)	2,249	8,706	.45	5.86	160.9	28.02	—	—	—	—	—	—
Hamilton City of	26	12,515	.71	8.25	146.6	36.71	—	—	—	—	—	—
Hamilton (OH)	26	12,515	.71	8.25	146.6	36.71	—	—	—	—	—	—
Hastings City of	145	8,749	.28	4.63	86.7	15.18	17	8,536	.36	4.90	82.8	14.14
Hastings (NE)	145	8,749	.28	4.63	86.7	15.18	17	8,536	.36	4.90	82.8	14.14
Holland City of	153	13,011	.82	6.31	175.0	45.54	—	—	—	—	—	—
James De Young (MI)	153	13,011	.82	6.31	175.0	45.54	—	—	—	—	—	—

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (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)
Holyoke Water Power Co	277	13,211	1.41	6.19	168.3	44.46	86	13,266	1.08	6.68	170.6	45.26
Mount Tom (MA)	277	13,211	1.41	6.19	168.3	44.46	86	13,266	1.08	6.68	170.6	45.26
Hoosier Energy R E C Inc	2,620	11,087	3.36	10.86	132.5	29.39	442	11,063	3.08	11.21	83.7	18.52
Frank E Ratts (IN)	635	11,240	2.72	9.08	136.8	30.74	--	--	--	--	--	--
Merom (IN)	1,984	11,038	3.56	11.43	131.1	28.95	442	11,063	3.08	11.21	83.7	18.52
Houston Lighting & Power Co	16,695	7,642	.74	10.51	202.8	31.00	--	--	--	--	--	--
Limestone (TX)	7,156	6,513	1.23	17.77	165.3	21.54	--	--	--	--	--	--
Parish (TX)	9,540	8,490	.38	5.07	224.4	38.10	--	--	--	--	--	--
Illinois Power Co	5,498	11,048	2.67	10.16	140.7	31.10	649	11,203	.92	8.36	125.7	28.16
Baldwin (IL)	4,216	10,834	2.97	10.37	137.5	29.80	93	8,858	.24	4.86	115.8	20.52
Havana (IL)	197	12,795	.71	8.09	168.5	43.13	189	11,855	.48	8.71	129.1	30.61
Hennepin (IL)	422	10,699	2.92	10.61	148.9	31.86	--	--	--	--	--	--
Vermilion (IL)	162	10,750	2.43	10.91	123.8	26.61	162	11,023	2.19	9.70	128.8	28.40
Wood River (IL)	500	12,547	.76	8.58	151.9	38.11	204	11,811	.63	8.57	123.5	29.18
Independence City of	44	12,114	3.23	10.39	127.9	30.99	--	--	--	--	--	--
Blue Valley (MO)	44	12,114	3.23	10.39	127.9	30.99	--	--	--	--	--	--
Indiana Michigan Power Co	9,616	9,036	.54	5.47	120.6	21.79	982	8,490	.34	4.88	110.1	18.70
Tanners Creek (IN)	1,323	11,609	1.88	9.22	154.1	35.78	--	--	--	--	--	--
Rockport (IN)	8,293	8,626	.32	4.87	113.4	19.56	982	8,490	.34	4.88	110.1	18.70
Indiana-Kentucky Electric Corp	2,796	11,404	3.29	10.86	106.5	24.29	969	10,632	1.75	7.55	118.2	25.12
Clifty Creek (IN)	2,796	11,404	3.29	10.86	106.5	24.29	969	10,632	1.75	7.55	118.2	25.12
Indianapolis Power & Light Co	4,895	11,167	2.30	8.31	108.4	24.20	1,187	11,292	2.35	8.05	95.5	21.57
Stout (IN)	1,069	11,213	1.60	8.06	128.0	28.70	--	--	--	--	--	--
Pritchard (IN)	358	11,376	1.07	6.79	121.9	27.73	--	--	--	--	--	--
Petersburg (IN)	3,468	11,131	2.65	8.54	100.9	22.45	1,187	11,292	2.35	8.05	95.5	21.57
Interstate Power Co	1,181	9,930	1.29	6.49	184.4	36.62	--	--	--	--	--	--
Dubuque (IA)	90	11,038	3.00	9.31	200.0	44.15	--	--	--	--	--	--
Lansing (IA)	590	8,528	.40	4.78	233.8	39.87	--	--	--	--	--	--
Kapp (IA)	501	11,381	2.02	7.98	138.1	31.44	--	--	--	--	--	--
Iowa Electric Light & Power Co	510	9,758	1.49	7.20	126.0	24.60	99	8,556	.39	5.03	110.1	18.84
6th St (IA)	25	11,614	2.05	7.82	136.7	31.75	--	--	--	--	--	--
Prairie Creek (IA)	340	10,114	1.79	7.76	133.8	27.06	99	8,556	.39	5.03	110.1	18.84
Sutherland (IA)	145	8,605	.71	5.77	102.3	17.60	--	--	--	--	--	--
Iowa Southern Utilities Co	1,834	8,674	.58	5.89	115.1	19.97	480	8,341	.96	6.49	85.1	14.19
Burlington (IA)	175	11,464	3.13	8.88	123.9	28.42	301	8,337	1.27	7.27	88.0	14.68
Ottumwa (IA)	1,659	8,380	.31	5.58	113.8	19.08	179	8,347	.44	5.18	80.1	13.38
Iowa-Illinois Gas&Electric Co	2,081	8,768	.52	5.63	110.9	19.45	--	--	--	--	--	--
Riverside (IA)	281	11,162	1.85	7.93	110.9	24.76	--	--	--	--	--	--
Louisa (IA)	1,800	8,394	.31	5.27	110.9	18.62	--	--	--	--	--	--
Jacksonville Electric Auth	2,798	12,272	.93	9.06	172.5	42.34	826	12,522	.94	6.89	132.5	33.19
St Johns River (FL)	2,798	12,272	.93	9.06	172.5	42.34	826	12,522	.94	6.89	132.5	33.19
Jamestown City of	--	--	--	--	--	--	114	12,656	1.79	10.36	132.6	33.56
Samuel A Carlson (NY)	--	--	--	--	--	--	114	12,656	1.79	10.36	132.6	33.56
Kansas City City of	1,063	8,905	.72	5.77	129.8	23.11	390	9,959	.37	8.04	120.9	24.08
Kaw (KS)	--	--	--	--	--	--	138	10,366	.38	9.10	127.4	26.41
Quindaro (KS)	192	11,720	2.43	10.05	231.3	54.21	164	10,373	.40	8.66	127.5	26.46
Nearman (KS)	872	8,287	.34	4.83	98.2	16.28	88	8,562	.31	5.24	93.8	16.07
Kansas City Power & Light Co	3,400	8,810	.32	4.93	89.3	15.73	4,961	8,916	.61	5.42	93.0	16.58

See footnotes at end of table.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)
Kansas City Power & Light Co												
La Cygne (KS)	12	8,771	0.38	5.30	97.8	17.16	3,294	9,036	0.75	5.58	92.7	16.74
Hawthorne (MO)	1,111	8,862	.19	4.58	96.8	17.15	148	8,817	.22	4.81	76.4	13.48
Montrose (MO)	—	—	—	—	—	—	1,431	8,655	.34	5.13	97.0	16.80
Iatan (MO)	2,277	8,784	.39	5.10	85.6	15.03	88	8,832	.26	4.83	69.4	12.25
Kansas Power & Light Co	7,315	8,799	.34	5.74	130.0	22.88	34	11,030	.74	8.20	118.0	26.03
Lawrence (KS)	1,088	10,559	.42	9.06	123.0	25.97	34	11,030	.74	8.20	118.0	26.03
Tecumseh (KS)	409	10,585	.42	9.18	122.5	25.93	—	—	—	—	—	—
Jeffrey Energy Cnt (KS)	5,818	8,345	.32	4.68	132.4	22.09	—	—	—	—	—	—
Kentucky Power Co	1,678	12,039	1.01	11.15	123.8	29.81	839	12,049	1.11	10.86	104.3	25.13
Pig Sandy (KY)	1,678	12,039	1.01	11.15	123.8	29.81	839	12,049	1.11	10.86	104.3	25.13
Kentucky Utilities Co	3,416	12,165	1.37	9.69	123.8	29.87	2,516	11,814	1.66	10.23	107.2	25.32
Brown (KY)	674	12,250	2.00	11.66	113.2	27.73	328	11,943	1.93	12.51	111.4	26.61
Ghent (KY)	2,438	12,177	1.07	9.35	127.1	30.96	2,157	11,789	1.63	9.87	106.4	25.08
Green River (KY)	304	11,886	2.33	8.08	109.0	25.91	—	—	—	—	—	—
Tyrone (KY)	—	—	—	—	—	—	31	12,178	.92	10.73	115.1	28.03
Lakeland City of	749	13,054	1.04	7.46	165.4	43.18	69	12,404	.96	10.38	161.0	39.94
Plant 3-Mcintosh (FL)	749	13,054	1.04	7.46	165.4	43.18	69	12,404	.96	10.38	161.0	39.94
Lansing City of	691	12,906	.86	7.05	189.7	48.97	191	12,993	.87	7.65	164.9	42.86
Eckert (MI)	400	12,878	.87	7.31	194.2	50.01	63	13,098	.86	7.29	165.4	43.32
Ericksun (MI)	291	12,945	.84	6.70	183.6	47.53	135	12,944	.87	7.83	164.7	42.65
Los Angeles City of	3,912	11,834	.44	8.53	151.8	35.93	366	12,069	.51	7.46	122.7	29.62
Intermountain (UT)	3,912	11,834	.44	8.53	151.8	35.93	366	12,069	.51	7.46	122.7	29.62
Louisville Gas & Electric Co	4,454	11,502	2.85	9.52	110.5	25.42	1,026	11,475	3.20	9.12	101.0	23.17
Cane Run (KY)	616	11,559	2.86	9.66	114.7	26.51	193	11,487	3.20	8.56	91.2	20.95
Mill Creek (KY)	2,979	11,520	2.84	9.66	111.4	25.68	374	11,668	2.97	9.28	111.0	25.90
Trimble County (KY)	858	11,398	2.88	8.95	104.2	23.75	459	11,313	3.39	9.22	96.7	21.87
Lower Colorado River Authority	5,227	8,598	.41	5.47	135.2	23.25	—	—	—	—	—	—
S Seymour-Fayette (TX)	5,227	8,598	.41	5.47	135.2	23.25	—	—	—	—	—	—
Madison Gas & Electric Co	18	11,848	2.08	8.18	165.7	39.26	—	—	—	—	—	—
Blount (WI)	18	11,848	2.08	8.18	165.7	39.26	—	—	—	—	—	—
Maritowoc Public Utilities	—	—	—	—	—	—	138	13,101	.85	6.71	174.4	45.69
Maritowoc (WI)	—	—	—	—	—	—	138	13,101	.85	6.71	174.4	45.69
Marquette City of	123	8,999	.40	6.35	179.0	32.21	10	12,345	.65	9.18	170.5	42.09
Shiras (MI)	123	8,999	.40	6.35	179.0	32.21	10	12,345	.65	9.18	170.5	42.09
Metropolitan Edison Co	348	13,283	1.51	6.37	156.3	41.53	762	13,204	1.67	7.02	138.0	36.44
Portland (PA)	158	13,177	1.61	5.99	153.9	40.55	565	13,192	1.73	7.24	136.9	36.11
Titus (PA)	190	13,371	1.42	6.69	158.4	42.35	197	13,241	1.51	6.41	141.2	37.38
Michigan South Central Pwr Agcy	40	12,003	3.35	8.29	223.3	53.60	—	—	—	—	—	—
Project I (MI)	40	12,003	3.35	8.29	223.3	53.60	—	—	—	—	—	—
Midwest Power	4,564	8,578	.38	5.22	92.1	15.81	3,414	8,549	.37	5.51	78.7	13.46
Council Bluffs (IA)	1,709	8,261	.36	4.60	99.5	16.43	1,150	8,277	.38	4.68	73.6	12.18
George Neal 1-4 (IA)	2,855	8,768	.39	5.59	88.0	15.43	2,264	8,638	.36	5.92	81.2	14.11
Minnesota Power & Light Co	2,966	9,001	.55	7.01	120.7	21.74	298	8,638	.35	5.19	98.1	16.94
Aurora-Syl Laskin (MN)	65	8,854	.65	8.21	92.1	16.31	—	—	—	—	—	—
Boswell (MN)	2,901	9,005	.55	6.98	121.4	21.86	298	8,638	.35	5.19	98.1	16.94
Minnkota Power Coop Inc	4,184	6,831	.86	7.58	48.9	6.69	—	—	—	—	—	—
Young (ND)	4,184	6,831	.86	7.58	48.9	6.69	—	—	—	—	—	—

See footnotes at end of table.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (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)
Mississippi Power Co	1,869	12,853	1.87	8.09	149.6	38.46	582	11,572	2.00	7.35	131.9	30.53
Watson (MS)	1,058	12,750	2.74	8.75	133.8	34.11	429	12,457	2.60	8.36	128.9	32.11
Daniel (MS)	811	12,988	.73	7.22	170.0	44.15	153	9,095	.32	4.51	143.6	26.11
Missouri Public Service Comm	529	11,032	2.86	9.63	151.6	33.46	455	11,173	2.36	8.90	113.1	25.28
Sibley (MO)	529	11,032	2.86	9.63	151.6	33.46	455	11,173	2.36	8.90	113.1	25.28
Monongahela Power Co	7,517	12,868	2.58	9.54	145.3	37.40	4,069	12,668	3.20	9.83	95.1	24.09
Albright (WV)	19	12,897	1.57	11.49	108.1	27.89	483	12,319	1.54	12.93	100.5	24.77
Ft Martin (WV)	2,478	12,719	1.79	10.50	145.4	36.98	--	--	--	--	--	--
Harrison (WV)	3,774	13,151	3.04	7.71	150.7	39.65	845	13,190	3.08	8.06	100.0	26.39
Rivesville (WV)	5	12,011	1.04	14.30	128.3	30.82	63	12,195	.96	10.82	120.2	29.31
Willow Island (WV)	167	12,297	1.70	13.27	117.0	28.79	95	12,823	1.48	8.07	113.2	29.04
Pleasants (WV)	1,074	12,309	2.96	13.10	129.9	31.99	2,583	12,567	3.66	9.87	91.1	22.90
Montana Power Co	10,683	8,609	.66	8.92	70.3	12.11	--	--	--	--	--	--
Corette (MT)	749	8,782	.63	8.11	69.1	12.13	--	--	--	--	--	--
Colstrip (MT)	9,934	8,596	.66	8.98	70.4	12.10	--	--	--	--	--	--
Montana-Dakota Utilities Co	2,674	6,915	.99	8.23	80.4	11.13	--	--	--	--	--	--
Heskett (ND)	345	7,009	.82	8.53	105.3	14.76	--	--	--	--	--	--
Lewis and Clark (MT)	177	6,542	.51	9.04	107.8	14.10	--	--	--	--	--	--
Coyote (ND)	2,151	6,931	1.06	8.12	74.3	10.30	--	--	--	--	--	--
Montaup Electric Co	413	12,917	1.03	7.93	176.4	45.58	--	--	--	--	--	--
Somerset (MA)	413	12,917	1.03	7.93	176.4	45.58	--	--	--	--	--	--
Muscatine City of	536	11,078	3.16	8.25	223.9	49.60	22	8,491	.59	5.51	100.0	16.98
Muscatine (IA)	536	11,078	3.16	8.25	223.9	49.60	22	8,491	.59	5.51	100.0	16.98
Nebraska Public Power District	3,522	8,780	.38	5.07	84.0	14.75	292	8,753	.27	4.70	71.9	12.59
Sheldon (NE)	558	8,779	.38	5.04	78.1	13.71	--	--	--	--	--	--
Gerald Gentleman (NE)	2,964	8,780	.38	5.07	85.1	14.94	292	8,753	.27	4.70	71.9	12.59
Nevada Power Co	1,372	12,058	.50	9.11	185.1	44.64	--	--	--	--	--	--
Gardner (NV)	1,372	12,058	.50	9.11	185.1	44.64	--	--	--	--	--	--
New England Power Co	3,035	13,077	1.18	8.59	168.4	44.04	383	13,034	1.06	7.78	163.3	42.57
Brayton (MA)	2,314	13,061	1.10	8.32	168.7	44.06	233	12,934	.98	8.28	165.2	42.72
Salem Harbor (MA)	721	13,130	1.46	9.46	167.5	43.98	150	13,189	1.18	7.01	160.4	42.32
New York State Elec & Gas Corp	2,010	13,139	1.72	6.67	141.3	37.13	2,349	12,409	1.81	11.52	137.9	34.22
Goudey (NY)	--	--	--	--	--	--	337	13,116	1.83	7.48	138.4	36.30
Greenidge (NY)	--	--	--	--	--	--	510	12,808	2.04	8.98	137.6	35.24
Hickling (NY)	--	--	--	--	--	--	327	10,720	1.31	21.28	130.1	27.90
Jennison (NY)	--	--	--	--	--	--	250	10,753	1.14	21.72	148.6	31.96
Milliken (NY)	32	12,758	1.50	7.08	138.0	35.21	822	12,954	1.96	8.37	139.8	36.22
Kintigh (NY)	1,978	13,146	1.72	6.66	141.3	37.16	102	13,176	2.56	6.68	121.3	31.97
Niagara Mohawk Power Corp	1,950	13,122	1.79	7.10	150.1	39.40	1,590	13,252	1.97	6.83	133.4	35.35
Huntley (NY)	1,296	13,169	1.74	6.97	151.3	39.84	713	13,208	1.70	7.03	140.9	37.21
Dunkirk (NY)	654	13,028	1.88	7.35	147.8	38.52	876	13,289	2.20	6.66	127.3	33.84
Northern Indiana Pub Serv Co	4,111	11,063	1.98	9.05	158.7	35.12	2,947	10,919	1.61	7.74	122.6	26.78
Bailey (IN)	914	10,945	2.94	10.39	148.4	32.48	501	11,398	2.70	8.77	109.8	25.04
Mitchell (IN)	39	13,107	.67	7.60	159.2	41.73	1,040	9,851	.43	5.88	121.7	23.98
Michigan City (IN)	484	11,082	1.88	8.67	164.1	36.37	538	11,366	2.89	8.03	111.2	25.29
Rollin Schaefer (IN)	2,674	11,071	1.68	8.69	161.3	35.70	868	11,645	1.61	9.19	137.6	32.04
Northern States Power Co	11,571	8,775	.42	6.49	118.1	20.73	116	8,808	.68	8.55	113.4	19.97
Black Dog (MN)	725	8,836	.28	5.12	114.3	20.20	--	--	--	--	--	--
High Bridge (MN)	468	8,780	.22	4.58	112.7	19.79	--	--	--	--	--	--
King (MN)	1,567	8,828	.33	5.77	113.3	20.00	--	--	--	--	--	--

See footnotes at end of table.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (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)
Northern States Power Co												
Riverside (MN)	829	8,772	0.22	4.56	114.3	20.06	--	--	--	--	--	--
Sherburne County (MN)	7,982	8,759	.48	7.07	20.1	21.04	116	8,808	0.68	8.55	113.4	19.97
Ohio Edison Co	5,910	12,325	2.03	10.66	131.4	32.40	1,852	11,915	2.17	10.72	108.7	25.91
Edgewater (OH)	--	--	--	--	--	--	166	11,965	1.55	10.52	136.0	32.55
Niles (OH)	45	12,041	2.56	10.59	117.0	28.17	472	12,003	2.76	10.85	108.4	26.02
Burger (OH)	842	12,103	3.36	11.52	114.4	27.70	365	11,476	2.96	9.42	96.4	22.12
Sammis (OH)	4,884	12,375	1.76	10.47	134.9	33.39	646	12,094	1.01	10.85	111.9	27.06
Toronto (OH)	138	11,995	3.24	12.05	114.2	27.40	202	11,889	3.58	12.55	98.3	23.37
Ohio Power Co	12,615	11,650	3.33	12.74	161.7	37.68	579	11,963	3.72	12.03	98.2	23.50
Muskingum (OH)	3,204	11,496	4.21	12.67	166.5	38.27	33	12,298	.64	10.29	147.9	36.38
Tidd (OH)	66	12,194	2.94	11.65	133.4	32.54	1	12,000	2.50	13.00	135.4	32.50
Kammer (WV)	1,530	12,250	4.06	12.37	124.6	30.53	382	12,254	4.14	12.50	92.8	22.75
Mitchell (WV)	1,999	12,190	1.45	14.14	166.3	40.55	--	--	--	--	--	--
Gavin (OH)	5,816	11,386	3.30	12.40	168.2	38.30	163	11,214	3.37	11.29	100.9	22.63
Ohio Valley Electric Corp	2,192	12,192	3.95	11.08	134.4	32.77	1,272	11,781	3.35	10.38	100.0	23.56
Kyger Creek (OH)	2,192	12,192	3.95	11.08	134.4	32.77	1,272	11,781	3.35	10.38	100.0	23.56
Oklahoma Gas & Electric Co	7,611	8,824	.40	5.10	118.6	20.93	1,180	8,445	.33	5.10	89.0	15.03
Muskogee (OK)	4,551	8,821	.39	5.12	120.1	21.20	576	8,537	.29	4.69	88.1	15.05
Sooners (OK)	3,060	8,828	.43	5.06	116.4	20.54	604	8,357	.37	5.49	89.9	15.02
Omaha Public Power District	1,821	8,273	.34	4.89	63.2	10.46	1,507	8,262	.40	4.92	62.1	10.25
North Omaha (NE)	1,078	8,274	.34	4.92	64.0	10.60	515	8,354	.44	5.33	61.8	10.33
Nebraska City (NE)	743	8,271	.35	4.83	62.0	10.26	993	8,215	.38	4.71	62.2	10.22
Orange & Rockland Utils Inc	513	13,035	.55	7.15	211.1	55.05	144	12,936	.55	7.73	184.7	47.77
Lovett (NY)	513	13,035	.55	7.15	211.1	55.05	144	12,936	.55	7.73	184.7	47.77
Orlando Utilities Comm	970	12,760	.73	8.33	191.3	48.83	54	12,669	.75	8.38	168.9	42.80
Stanton Energy (FL)	970	12,760	.73	8.33	191.3	48.83	54	12,669	.75	8.38	168.9	42.80
Orrville City of	180	11,872	3.50	8.63	100.2	23.79	--	--	--	--	--	--
Orrville (OH)	180	11,872	3.50	8.63	100.2	23.79	--	--	--	--	--	--
Otter Tail Power Co	2,130	6,034	.92	9.34	113.3	13.68	123	9,337	.32	3.82	127.6	23.83
Hoot Lake (MN)	--	--	--	--	--	--	123	9,337	.32	3.82	127.6	23.83
Big Stone (SD)	2,130	6,034	.92	9.34	113.3	13.68	--	--	--	--	--	--
Owensboro City of	701	11,141	2.84	9.03	118.1	26.30	431	11,512	2.94	9.53	91.8	21.15
Smith (KY)	701	11,141	2.84	9.03	118.1	26.30	431	11,512	2.94	9.53	91.8	21.15
PacifiCorp	25,428	9,384	.59	11.24	96.9	18.19	4,696	9,676	.47	7.08	77.4	14.97
Carbon (UT)	--	--	--	--	--	--	593	11,985	.44	8.56	79.1	18.95
Centralia (WA)	4,943	7,893	.70	15.13	139.7	22.06	869	9,821	.42	5.62	124.4	24.44
Johnston (WY)	2,545	7,779	.49	10.05	64.9	10.09	1,659	8,312	.34	6.16	48.6	8.07
Naughton (WY)	2,385	9,822	.70	4.95	121.6	23.88	--	--	--	--	--	--
Wyodak (WY)	1,970	7,925	.66	7.90	63.8	10.12	--	--	--	--	--	--
Emery-Hunter (UT)	3,528	11,030	.50	14.03	95.5	21.06	148	12,151	.46	7.83	66.2	16.09
Jim Bridger (WY)	7,281	9,639	.60	9.91	90.3	17.40	1,427	9,958	.65	8.34	77.6	15.46
Huntington (UT)	2,776	11,408	.45	13.13	78.7	17.96	--	--	--	--	--	--
Painesville City of	70	12,391	2.57	7.73	135.1	33.48	--	--	--	--	--	--
Painesville (OH)	70	12,391	2.57	7.73	135.1	33.48	--	--	--	--	--	--
Pennsylvania Electric Co	10,783	12,115	1.92	15.11	137.7	33.37	6,107	12,413	1.78	12.79	119.4	29.64
Conemaugh (PA)	2,845	12,514	2.21	13.01	122.4	30.63	1,970	12,485	2.20	13.39	114.0	28.46
Homer City (PA)	3,399	11,531	2.02	19.42	153.9	35.50	1,671	12,353	1.15	12.54	140.7	34.76
Seward (PA)	--	--	--	--	--	--	572	12,252	1.54	13.76	113.2	27.75
Shawville (PA)	812	12,282	2.02	12.99	109.6	26.93	605	12,272	1.90	13.23	106.9	26.23

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 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)
Pennsylvania Electric Co												
Warren (PA)	--	--	--	--	--	--	217	12,218	1.77	11.09	116.7	28.53
Keystone (PA)	3,727	12,307	1.58	13.25	141.9	34.92	1,072	12,583	2.06	11.65	107.2	26.99
Pennsylvania Power & Light Co												
Brunner Island (PA)	7,102	12,642	1.88	12.13	184.4	46.64	1,376	11,054	1.50	20.33	123.0	27.19
Holtwood (PA)	3,471	12,718	1.83	11.46	186.9	47.53	--	--	--	--	--	--
Martins Creek (PA)	15	7,080	.66	36.49	107.6	15.23	178	8,915	.60	29.29	116.8	20.82
Montour (PA)	543	12,940	1.92	9.89	191.7	49.60	60	13,084	1.79	9.00	140.3	36.71
Sunbury (PA)	2,762	12,544	1.92	13.19	183.4	46.02	493	12,646	1.94	13.01	137.4	34.76
	311	12,426	1.95	13.07	154.7	38.43	645	10,239	1.38	24.50	108.8	22.27
Pennsylvania Power Co												
New Castle (PA)	5,204	12,152	3.72	11.60	166.9	40.56	438	12,168	1.51	9.98	119.2	29.00
Bruce Mansfield (PA)	324	12,344	1.40	10.94	138.1	34.11	438	12,168	1.51	9.98	119.2	29.00
	4,880	12,139	3.88	11.65	168.8	40.99	--	--	--	--	--	--
Philadelphia Electric Co												
Cromby (PA)	320	13,226	1.66	7.39	167.2	44.25	770	13,170	1.97	7.32	151.1	39.81
Eddystone (PA)	100	13,427	1.53	6.99	160.8	43.19	188	13,238	1.81	7.32	150.6	39.88
	220	13,139	1.71	7.57	170.2	44.73	582	13,148	2.02	7.33	151.3	39.78
Plains Elec Gen&Trans Coop Inc												
Escalante (NM)	889	9,079	.65	18.58	137.5	24.96	--	--	--	--	--	--
	889	9,079	.65	18.58	137.5	24.96	--	--	--	--	--	--
Platte River Power Authority												
Rawhide (CO)	1,009	8,825	.32	5.54	74.6	13.17	--	--	--	--	--	--
	1,009	8,825	.32	5.54	74.6	13.17	--	--	--	--	--	--
Portland General Electric Co												
Boardman (OR)	--	--	--	--	--	--	1,932	9,642	.40	4.42	110.1	21.23
	--	--	--	--	--	--	1,932	9,642	.40	4.42	110.1	21.23
Potomac Edison Co												
Smith (MD)	3	13,427	1.09	7.29	156.0	41.89	151	12,522	.92	12.41	133.6	33.45
	3	13,427	1.09	7.29	156.0	41.89	151	12,522	.92	12.41	133.6	33.45
Potomac Electric Power Co												
Chalk (MD)	4,194	12,638	1.62	11.31	171.1	43.25	1,581	12,764	1.49	10.96	153.9	39.29
Dickerson (MD)	1,352	12,503	1.86	12.34	175.8	43.96	262	12,697	1.71	11.88	157.8	40.07
Morgantown (MD)	838	12,721	1.42	10.04	149.0	37.91	374	12,823	1.44	10.06	130.2	33.39
Potomac River (VA)	1,499	12,618	1.78	12.29	176.7	44.60	666	12,705	1.74	12.41	159.4	40.51
	505	12,922	.82	7.79	178.7	46.19	279	12,888	.79	7.83	169.0	43.55
PSI Energy Inc												
Cayuga (IN)	8,275	10,782	2.36	10.36	161.0	34.71	5,559	11,515	1.51	9.22	120.9	27.84
Edwardsport (IN)	1,348	10,898	1.98	10.21	129.7	28.26	1,514	10,980	2.04	9.67	118.8	26.10
Noblesville (IN)	--	--	--	--	--	--	71	11,197	2.45	9.45	96.4	21.59
Gallagher (IN)	--	--	--	--	--	--	29	11,045	2.37	9.79	145.1	32.06
Wabash River (IN)	551	10,887	2.37	8.76	156.5	34.08	593	11,568	1.74	8.88	120.3	27.82
Gibson Station (IN)	384	10,880	1.97	10.10	138.4	30.12	1,046	11,094	2.01	9.05	109.6	24.31
	5,991	10,739	2.47	10.56	170.0	36.52	2,306	12,059	.83	9.06	127.4	30.73
Public Service Co of Colorado												
Arapahoe (CO)	7,628	9,627	.38	6.78	105.1	20.24	1,012	11,212	.44	9.39	105.4	23.64
Cameo (CO)	79	11,177	.61	7.43	121.4	27.15	383	11,235	.44	9.44	112.2	25.22
Cherokee (CO)	246	11,315	.59	8.76	90.2	20.41	--	--	--	--	--	--
Comanche (CO)	1,707	11,095	.42	9.41	110.1	24.44	228	11,110	.42	9.67	94.1	20.91
Valmont (CO)	2,064	8,519	.30	4.68	112.7	19.21	--	--	--	--	--	--
Hayden (CO)	169	11,167	.61	7.48	114.1	25.49	401	11,248	.45	9.19	105.3	23.69
Pawnee (CO)	1,501	10,639	.40	8.98	91.9	19.55	--	--	--	--	--	--
	1,863	8,266	.36	4.56	104.8	17.32	--	--	--	--	--	--
Public Service Co of NH												
Merrimack (NH)	1,076	13,289	1.67	6.53	168.9	44.89	151	13,052	1.18	6.44	165.8	43.27
Schiller (NH)	964	13,312	1.79	6.52	168.4	44.83	39	13,412	2.18	6.25	161.7	43.39
	112	13,095	.64	6.61	173.3	45.39	111	12,925	.83	6.51	167.2	43.23
Public Service Co of NM												
San Juan (NM)	5,105	9,360	.87	23.78	173.4	32.46	--	--	--	--	--	--
	5,105	9,360	.87	23.78	173.4	32.46	--	--	--	--	--	--
Public Service Co of Oklahoma												
Northeastern (OK)	2,970	8,712	.45	5.87	161.4	28.13	60	11,227	.46	10.94	149.0	33.46
	2,970	8,712	.45	5.87	161.4	28.13	60	11,227	.46	10.94	149.0	33.46

See footnotes at end of table.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (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)
Public Service Electric&Gas Co	1,290	13,810	0.82	5.33	177.1	48.91	120	13,034	0.85	7.70	163.7	42.66
Hudson (NJ)	460	13,143	.81	6.92	180.0	47.31	109	12,978	.85	7.93	161.7	41.97
Mercer (NJ)	830	14,180	.82	4.45	175.6	49.80	11	13,597	.87	5.34	182.5	49.63
Richmond City of	199	11,276	2.18	8.98	159.5	35.96	93	11,749	1.70	9.16	126.8	29.79
Whitewater (IN)	199	11,276	2.18	8.98	159.5	35.96	93	11,749	1.70	9.16	126.8	29.79
Rochester Gas & Electric Corp	564	13,273	1.91	6.60	152.0	40.34	277	13,349	2.49	6.96	132.8	35.46
Rochester 3 (NY)	164	13,269	1.94	6.57	152.6	40.50	38	13,332	2.45	6.57	131.6	35.08
Rochester 7 (NY)	400	13,275	1.90	6.61	151.7	40.28	239	13,351	2.50	7.02	133.0	35.51
Rochester Public Utilities	27	11,471	1.93	7.85	152.2	34.92	53	12,095	1.77	8.48	158.3	38.29
Silver Lake (MN)	27	11,471	1.93	7.85	152.2	34.92	53	12,095	1.77	8.48	158.3	38.29
Salt River Proj Ag I & P Dist	9,521	10,800	.51	9.93	125.4	27.08	166	9,702	.45	13.95	117.8	22.85
Navajo (AZ)	7,441	11,043	.52	9.00	104.8	23.14	--	--	--	--	--	--
Coronado (AZ)	2,080	9,932	.45	13.26	207.3	41.19	166	9,702	.45	13.95	117.8	22.85
San Antonio City of	2,659	8,408	.32	5.44	131.8	22.16	884	8,735	.35	5.40	116.9	20.42
JT Deely/Spruce (TX)	2,659	8,408	.32	5.44	131.8	22.16	884	8,735	.35	5.40	116.9	20.42
San Miguel Electric Coop Inc	2,930	5,350	1.98	25.31	96.6	10.34	--	--	--	--	--	--
San Miguel (TX)	2,930	5,350	1.98	25.31	96.6	10.34	--	--	--	--	--	--
Savannah Electric & Power Co	--	--	--	--	--	--	156	12,353	1.17	10.82	150.4	37.16
Kraft (GA)	--	--	--	--	--	--	64	12,371	1.00	12.04	147.4	36.46
McIntosh (GA)	--	--	--	--	--	--	92	12,341	1.29	9.98	152.5	37.64
Seminole Electric Coop Inc	2,249	12,115	2.85	8.20	214.2	51.91	1,290	12,165	2.16	8.42	159.8	38.88
Seminole (FL)	2,249	12,115	2.85	8.20	214.2	51.91	1,290	12,165	2.16	8.42	159.8	38.88
Sierra Pacific Power Co	1,545	10,518	.43	8.28	198.6	41.77	--	--	--	--	--	--
North Valmy (NV)	1,545	10,518	.43	8.28	198.6	41.77	--	--	--	--	--	--
Sikeston City of	400	11,774	2.45	9.92	174.4	41.06	187	11,651	2.56	10.26	99.6	23.20
Sikeston (MO)	400	11,774	2.45	9.92	174.4	41.06	187	11,651	2.56	10.26	99.6	23.20
South Carolina Electric&Gas Co	3,444	12,911	1.09	8.27	159.8	41.26	777	12,757	1.15	9.91	148.4	37.86
Canadys (SC)	523	12,796	1.34	9.14	161.5	41.34	140	12,903	1.20	8.99	149.2	38.51
Mcmeekin (SC)	405	12,968	1.39	8.82	156.1	40.49	210	12,683	1.17	10.41	145.9	37.00
Urguhart (SC)	309	12,976	1.30	9.06	158.4	41.11	191	12,814	1.20	10.08	149.6	38.35
Waterlee (SC)	1,184	12,956	1.06	8.26	158.0	40.94	219	12,677	1.09	10.06	148.3	37.60
Williams (SC)	1,024	12,875	.82	7.39	162.8	41.92	17	12,869	.82	7.50	159.8	41.13
South Carolina Pub Serv Auth	1,912	12,553	1.26	9.97	155.4	39.01	2,633	12,986	1.16	8.15	140.7	36.54
Cross (SC)	497	12,375	1.18	10.01	154.6	38.25	847	12,938	1.02	8.09	139.2	36.02
Grainger (SC)	--	--	--	--	--	--	99	12,923	1.85	10.84	155.0	40.05
Jefferies (SC)	206	12,225	1.69	10.85	152.5	37.28	392	12,783	1.65	8.57	139.0	35.54
Winyah (SC)	1,210	12,681	1.22	9.80	156.2	39.61	1,296	13,083	1.05	7.86	141.1	36.91
South Mississippi El Pwr Assn	757	12,370	.99	9.58	205.3	50.80	--	--	--	--	--	--
R D Morrow (MS)	757	12,370	.99	9.58	205.3	50.80	--	--	--	--	--	--
Southern California Edison Co	4,977	10,940	.51	10.25	118.8	25.99	--	--	--	--	--	--
Mohave (NV)	4,977	10,940	.51	10.25	118.8	25.99	--	--	--	--	--	--
Southern Illinois Power Coop	200	11,382	2.86	13.33	113.5	25.83	290	9,974	2.74	18.76	73.4	14.65
Marion (IL)	200	11,382	2.86	13.33	113.5	25.83	290	9,974	2.74	18.76	73.4	14.65
Southern Indiana Gas & Elec Co	1,882	11,289	3.09	8.58	149.8	33.82	813	11,327	2.17	8.40	119.4	27.05
Culley (IN)	631	10,929	2.68	9.32	134.6	29.42	466	11,362	1.63	8.18	134.3	30.51
A B Brown (IN)	1,001	11,598	3.50	8.01	163.6	37.95	121	11,193	3.73	9.61	98.2	21.99
Warrick (IN)	250	10,957	2.50	9.02	129.5	28.37	225	11,327	2.43	8.21	99.7	22.58

See footnotes at end of table.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (Continued)

Electric Utility Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(\$ per short ton)
Southwestern Electric Power Co ...	7,679	7,756	0.71	7.36	173.6	26.93	1,781	8,371	0.34	4.67	160.7	26.91
Flint Creek (AR)	1,189	8,322	.34	4.62	166.8	27.76	474	8,411	.34	4.75	125.9	21.19
Welsh Station (TX)	3,673	8,332	.35	4.63	204.5	34.07	1,307	8,356	.34	4.64	173.4	28.98
Pirkey (TX)	2,817	6,766	1.33	12.08	127.6	17.26	--	--	--	--	--	--
Southwestern Public Service Co ...	7,656	8,761	.33	4.89	178.3	31.25	612	8,751	.34	4.89	109.9	19.23
Harrington (TX)	4,301	8,761	.32	4.88	156.6	27.44	--	--	--	--	--	--
Tolk (TX)	3,355	8,761	.34	4.90	206.2	36.13	612	8,751	.34	4.89	109.9	19.23
Springfield City of	696	11,606	2.08	7.98	132.3	30.71	52	11,788	.39	7.98	141.8	33.44
James River (MO)	230	11,574	1.98	7.91	132.9	30.77	41	11,737	.40	8.00	142.5	33.44
Southwest (MO)	466	11,621	2.12	8.02	132.0	30.67	11	11,987	.38	7.90	139.5	33.44
Springfield City of	933	10,382	3.04	9.36	113.1	23.49	--	--	--	--	--	--
Dallman (IL)	827	10,382	3.04	9.37	113.1	23.48	--	--	--	--	--	--
Lakeside (IL)	106	10,383	3.03	9.33	113.3	23.53	--	--	--	--	--	--
St Joseph Light & Power Co	--	--	--	--	--	--	135	11,976	3.72	12.10	139.2	33.35
Lakeroad (MO)	--	--	--	--	--	--	135	11,976	3.72	12.10	139.2	33.35
Sunflower Electric Power Corp	1,257	8,492	.38	5.11	105.3	17.88	--	--	--	--	--	--
Holcomb (KS)	1,257	8,492	.38	5.11	105.3	17.88	--	--	--	--	--	--
Tacoma Public Utilities	--	--	--	--	--	--	24	10,043	.43	10.87	197.5	39.67
Steam No.2 (WA)	--	--	--	--	--	--	24	10,043	.43	10.87	197.5	39.67
Tampa Electric Co	4,666	12,361	2.14	7.62	210.6	52.06	1,590	12,156	2.29	8.69	122.8	29.87
Gannon (FL)	712	12,713	1.21	6.47	234.4	59.61	16	12,714	1.27	6.10	205.4	52.23
Davant Transfer (LA)	3,954	12,297	2.30	7.83	206.1	50.70	1,574	12,150	2.30	8.72	122.0	29.64
Tennessee Valley Authority	31,753	11,937	2.38	10.26	123.8	29.56	3,965	11,861	1.91	11.13	116.5	27.63
Colbert (AL)	2,469	11,955	1.28	10.83	130.8	31.28	273	12,104	1.67	11.80	118.2	28.62
Widows Creek (AL)	2,876	11,930	2.84	11.14	115.5	27.57	767	12,194	1.61	10.02	118.1	28.79
Paradise (KY)	5,597	11,008	4.13	16.59	106.3	23.39	859	11,083	2.77	14.06	108.1	23.96
Shawnee (KY)	1,753	12,069	1.43	10.07	130.4	31.47	750	12,135	1.00	11.13	127.1	30.84
Allen (TN)	1,195	12,144	2.11	8.83	125.2	30.40	306	12,152	2.28	9.38	116.6	28.33
Bull Run (TN)	1,917	12,977	1.06	7.95	124.4	32.30	88	12,658	1.19	9.86	109.1	27.62
Cumberland (TN)	6,598	11,608	2.78	7.89	131.3	30.47	331	11,773	2.59	9.34	103.0	24.26
Gallatin (TN)	1,944	12,190	2.58	7.49	125.5	30.60	271	11,362	2.27	9.95	121.1	27.52
Sevier (TN)	1,643	12,835	1.49	9.15	129.0	33.12	86	12,198	1.99	11.28	119.0	29.03
Johnsonville (TN)	2,297	11,995	1.75	9.12	130.9	31.41	29	11,700	1.70	8.50	120.0	28.08
Kingston (TN)	3,462	12,739	1.17	8.10	125.2	31.90	205	12,454	1.32	10.00	118.6	29.54
Texas Municipal Power Agency	3,094	4,833	1.42	20.89	160.7	15.53	184	6,765	1.06	15.43	131.8	17.83
Gibbons Creek (TX)	3,094	4,833	1.42	20.89	160.7	15.53	184	6,765	1.06	15.43	131.8	17.83
Texas- New Mexico Power Co	1,668	6,730	1.03	15.72	153.2	20.62	--	--	--	--	--	--
TNP One (Tx)	1,668	6,730	1.03	15.72	153.2	20.62	--	--	--	--	--	--
Texas Utilities Electric Co	33,468	6,291	.87	16.92	104.3	13.12	--	--	--	--	--	--
Big Brown (TX)	5,203	6,408	.80	17.71	111.4	14.27	--	--	--	--	--	--
Martin Lake (TX)	13,830	6,612	1.13	12.88	95.1	12.57	--	--	--	--	--	--
Monticello (TX)	10,971	5,826	.49	20.39	112.8	13.14	--	--	--	--	--	--
Sandow No 4 (TX)	3,464	6,308	1.10	20.83	107.0	13.49	--	--	--	--	--	--
Toledo Edison Co	1,222	12,929	1.12	8.03	202.9	52.48	30	12,681	.84	8.00	141.9	35.99
Acme (OH)	57	12,721	.66	8.81	178.0	45.29	--	--	--	--	--	--
Bay Shore (OH)	1,165	12,939	1.14	7.99	204.1	52.83	30	12,681	.84	8.00	141.9	35.99
Tri-State G & T Assn Inc	3,830	10,164	.36	6.50	115.4	23.47	903	9,980	.52	11.32	91.0	18.16
Nucila (CO)	7	10,045	.43	17.50	126.2	25.35	232	8,357	.83	25.02	92.8	15.52
Craig (CO)	3,822	10,164	.36	6.48	115.4	23.46	671	10,542	.42	6.58	90.5	19.08

See footnotes at end of table.

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

Table 30. Receipts and Average Delivered Cost of Coal by Type of Purchase, Electric, Utility and Plant, 1992 (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)
Tucson Electric Power Co	199	10,060	0.45	12.61	234.1	47.11	--	--	--	--	--	--
Irvington (AZ)	199	10,060	.45	12.61	234.1	47.11	--	--	--	--	--	--
Union Electric Co	9,109	10,923	1.75	8.16	153.0	33.41	1,518	9,292	1.53	5.43	121.6	22.60
Labadie (MO)	4,751	10,356	1.75	7.94	119.6	24.77	717	8,792	.24	4.56	87.8	15.45
Meramec (MO)	523	11,623	1.28	8.98	190.5	44.27	250	11,700	1.28	7.10	220.1	51.51
Sioux (MO)	1,714	11,521	2.54	8.41	178.9	41.23	131	8,650	.52	5.70	102.0	17.65
Rush Island (MO)	2,121	11,535	1.23	8.23	189.8	43.79	420	8,911	.59	5.82	107.4	19.14
United Illuminating Co	713	13,184	.56	6.19	196.7	51.85	80	13,022	.55	6.79	177.9	46.34
Bridgeport Harbor (CT)	713	13,184	.56	6.19	196.7	51.85	80	13,022	.55	6.79	177.9	46.34
United Power Assn	1,062	6,732	.71	8.69	68.5	9.22	5	9,276	.52	4.30	67.8	12.58
Stanton (ND)	1,062	6,732	.71	8.69	68.5	9.22	5	9,276	.52	4.30	67.8	12.58
Virginia Electric & Power Co	7,596	12,672	1.43	10.89	150.9	38.25	2,920	12,489	1.37	11.77	129.9	32.44
Bremo Bluff (VA)	200	12,656	.91	9.68	157.1	39.77	263	12,650	.77	9.16	144.7	36.60
Chesterfield (VA)	2,008	12,859	1.13	8.74	149.3	38.40	960	12,804	1.13	8.69	141.1	36.14
Chesapeake Energy (VA)	981	13,077	1.10	8.54	150.8	39.45	144	12,961	1.06	9.06	147.0	38.11
Possum Point (VA)	561	12,659	1.10	8.60	155.6	39.39	182	12,896	.97	7.89	146.1	37.67
Yorktown (VA)	567	13,119	1.63	8.62	158.5	41.59	109	13,219	1.27	8.56	145.8	38.56
Mount Storm (WV)	3,280	12,363	1.77	13.77	149.4	36.94	1,260	12,039	1.79	15.81	111.4	26.83
West Penn Power Co	4,904	12,828	2.24	9.80	149.2	38.27	544	12,233	2.06	11.82	100.0	24.46
Armstrong (PA)	426	12,681	1.84	10.31	139.0	35.27	544	12,233	2.06	11.82	100.0	24.46
Hatfield (PA)	3,822	12,924	2.22	9.29	153.3	39.61	--	--	--	--	--	--
Mitchell (PA)	655	12,365	2.63	12.46	130.9	32.38	--	--	--	--	--	--
West Texas Utilities Co	2,676	8,353	.35	4.84	156.7	26.18	202	8,682	.25	4.83	101.9	17.69
Oklaunion (TX)	2,676	8,353	.35	4.84	156.7	26.18	202	8,682	.25	4.83	101.9	17.69
Western Farmers Elec Coop Inc	1,420	8,389	.44	5.18	178.2	29.89	6	12,676	.62	9.47	177.0	44.87
Hugo (OK)	1,420	8,389	.44	5.18	178.2	29.89	6	12,676	.62	9.47	177.0	44.87
Wisconsin Electric Power Co	8,251	10,115	.71	6.24	127.7	25.84	25	8,538	.42	5.30	125.3	21.40
Presque Isle (MI)	1,398	10,459	.62	7.17	165.2	34.56	25	8,538	.42	5.30	125.3	21.40
Oak Creek (WI)	1,758	12,752	1.30	8.46	152.0	38.78	--	--	--	--	--	--
Port Washington (WI)	138	13,243	1.44	6.21	154.0	40.78	--	--	--	--	--	--
Valley (WI)	520	13,229	1.55	6.32	166.8	44.13	--	--	--	--	--	--
Pleasant Prairie (WI)	4,438	8,500	.38	5.06	90.3	15.36	--	--	--	--	--	--
Wisconsin Power & Light Co	3,342	9,463	1.06	7.75	162.9	30.82	2,992	9,008	.33	4.94	111.0	20.00
Edgewater (WI)	1,761	9,891	1.22	6.84	158.3	31.31	375	8,972	.23	4.57	108.5	19.47
Nelson Dewey (WI)	--	--	--	--	--	--	447	10,386	.58	4.40	127.6	26.51
Rock River (WI)	180	11,186	2.02	9.05	198.9	44.50	11	9,502	.34	3.87	130.6	24.82
Columbia (WI)	1,400	8,703	.73	8.72	163.5	28.45	2,158	8,727	.29	5.12	107.3	18.72
Wisconsin Public Service Corp	1,364	10,013	.81	6.49	174.6	34.97	836	8,804	.38	4.96	109.1	19.20
Pulliam (WI)	421	12,019	1.61	8.67	196.7	47.29	173	8,809	.38	4.93	112.1	19.74
Weston (WI)	943	9,117	.46	5.51	161.6	29.47	663	8,803	.38	4.97	108.3	19.06
Wyandotte Municipal Serv Comm ..	104	13,289	.88	5.65	187.2	49.75	--	--	--	--	--	--
Wyandotte (MI)	104	13,289	.88	5.65	187.2	49.75	--	--	--	--	--	--
Total	649,460	10,233	1.28	9.84	146.0	29.89	126,503	11,224	1.37	9.04	118.7	26.64

* = 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, 1992**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	C o a l	P e t r o l e u m	G a s
Alabama Electric Coop Inc	1,395	148.3	36.07	1.29	5	469.3	25.72	0.10	--	--	--	100	*	--
Lowman (AL)	1,395	148.3	36.07	1.29	5	469.3	25.72	.10	--	--	--	100	*	--
Alabama Power Co	17,106	193.6	46.78	1.22	72	434.7	25.24	.00	2,923	222.9	2.28	99	*	1
Barry (AL)	832	213.1	52.46	.93	11	410.8	23.68	.00	448	232.4	2.48	97	*	2
Gadsden (AL)	135	182.7	45.80	1.79	1	437.9	25.27	.00	83	211.1	2.15	97	*	2
Gorgas 2 and 3 (AL)	6,595	172.0	40.69	1.33	19	445.4	25.79	.00	--	--	--	100	*	--
Greene (AL)	1,345	139.9	34.20	1.47	10	433.4	25.17	.00	--	--	--	100	*	--
Gaston (AL)	3,840	174.7	42.14	1.67	28	440.2	25.65	.00	--	--	--	100	*	--
James Miller (AL)	4,359	253.7	62.88	.60	4	409.9	23.96	.00	2,392	221.4	2.24	98	*	2
Alexandria City of	--	--	--	--	--	--	--	--	126	235.8	2.40	--	--	100
Alexandria-Hunter (LA)	--	--	--	--	--	--	--	--	126	235.8	2.40	--	--	100
American Mun Power Ohio Inc	891	96.9	21.96	4.55	--	--	--	--	120	385.6	4.01	99	--	1
Gorsuch (OH)	891	96.9	21.96	4.55	--	--	--	--	120	385.6	4.01	99	--	1
Ames City of	156	132.8	23.28	.19	4	394.1	23.44	.30	--	--	--	99	1	--
Ames (IA)	156	132.8	23.28	.19	4	394.1	23.44	.30	--	--	--	99	1	--
Anchorage City of	--	--	--	--	--	--	--	--	6,389	227.9	2.28	--	--	100
George Sullivan (AK)	--	--	--	--	--	--	--	--	6,389	227.9	2.28	--	--	100
Appalachian Power Co	9,057	171.9	42.93	.76	166	479.9	28.04	.00	--	--	--	100	*	--
Clinch River (VA)	1,703	128.6	32.35	.75	7	468.1	27.55	.00	--	--	--	100	*	--
Glen Lyn (VA)	452	138.6	35.72	.91	17	467.8	27.22	.00	--	--	--	99	1	--
Amos (WV)	4,244	193.5	47.90	.79	77	481.0	28.32	.00	--	--	--	100	*	--
Kanawha River (WV)	368	172.6	43.41	.80	5	493.1	28.76	.00	--	--	--	100	*	--
Mountaineer (WV)	2,289	171.4	42.93	.68	59	482.2	27.91	.00	--	--	--	99	1	--
Arizona Electric Pwr Coop Inc	205	152.8	34.37	.42	--	--	--	--	14,425	165.0	1.70	24	--	76
Apache (AZ)	205	152.8	34.37	.42	--	--	--	--	14,425	165.0	1.70	24	--	76
Arizona Public Service Co	12,665	118.8	21.63	.69	64	438.0	25.36	.26	9,708	280.1	2.87	96	*	4
Cholla (AZ)	3,730	144.9	28.44	.44	14	513.5	29.53	.21	57	313.8	3.21	100	*	*
Ocotillo (AZ)	--	--	--	--	7	494.9	29.03	.32	2,130	280.2	2.90	--	2	98
Phoenix (AZ)	--	--	--	--	43	404.2	23.41	.27	5,143	279.4	2.85	--	5	95
Saguaro (AZ)	--	--	--	--	--	--	--	--	1,004	285.1	2.94	--	--	100
Yucca (AZ)	--	--	--	--	--	--	--	--	748	243.4	2.54	--	--	100
Four Corners (NM)	8,935	106.7	18.79	.79	--	--	--	--	626	319.6	3.25	100	--	*
Arkansas Power & Light Co	9,967	166.9	29.33	.32	85	490.2	28.17	.30	27,137	153.2	1.57	86	*	14
Couch (AR)	--	--	--	--	--	--	--	--	3,458	119.0	1.33	--	--	100
Lake Catherine (AR)	--	--	--	--	--	--	--	--	8,185	173.8	1.77	--	--	100
Ritchie (AR)	--	--	--	--	--	--	--	--	15,495	150.7	1.52	--	--	100
Whitebluff (AR)	4,953	173.0	30.21	.43	45	484.1	27.82	.30	--	--	--	100	*	--
Independence (AR)	5,014	161.0	28.47	.21	39	497.3	28.58	.30	--	--	--	100	*	--
Associated Electric Coop Inc	5,354	138.6	29.64	3.53	--	--	--	--	--	--	--	100	--	--
Madrid (MO)	2,732	116.0	25.25	3.06	--	--	--	--	--	--	--	100	--	--
Hill (MO)	2,622	163.2	34.20	4.01	--	--	--	--	--	--	--	100	--	--
Atlantic City Electric Co	795	167.7	43.50	2.13	110	284.0	17.96	.89	1,405	197.4	2.06	91	3	6
England (NJ)	652	165.7	43.18	2.42	109	281.9	17.85	.90	--	--	--	96	4	--
Deepwater (NJ)	143	176.9	44.94	.77	1	461.3	26.51	.11	1,405	197.4	2.06	71	*	29
Austin City of	--	--	--	--	--	--	--	--	15,328	230.6	2.37	--	--	100
Decker Creek (TX)	--	--	--	--	--	--	--	--	10,601	238.3	2.43	--	--	100
Holly (TX)	--	--	--	--	--	--	--	--	4,727	213.7	2.24	--	--	100
Baltimore Gas & Electric Co	4,139	154.0	39.74	.96	770	243.6	15.37	.92	3,341	287.4	2.99	93	4	3
Brandon Shores (MD)	2,533	153.5	39.03	.68	53	420.5	24.46	.18	--	--	--	100	*	--
Crane (MD)	725	144.6	38.89	2.03	7	407.1	23.63	.18	--	--	--	100	*	--
Gould St (MD)	--	--	--	--	152	243.4	15.47	.99	--	--	--	100	--	--
Wagner (MD)	881	163.3	42.47	.85	319	218.5	13.85	.98	2,487	288.2	3.00	83	7	9

See footnotes at end of table.

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

**Table 31. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels
by Electric Utility and Plant, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Coal	Petroleum	Gas
Baltimore Gas & Electric Co														
Riverside (MD)	--	--	--	--	139	228.0	14.48	0.98	854	285.0	2.96	--	50	50
Westport (MD)	--	--	--	--	100	249.2	15.87	.99	--	--	--	--	100	--
Bangor Hydro-Electric Co	--	--	--	--	19	316.0	20.16	.67	--	--	--	--	100	--
Graham (ME)	--	--	--	--	19	316.0	20.16	.67	--	--	--	--	100	--
Basin Electric Power Coop	15,155	67.1	9.80	0.66	60	494.2	28.62	.34	--	--	--	100	*	--
Leland Olds (ND)	3,047	95.9	12.33	.66	7	475.8	27.55	.34	--	--	--	100	*	--
Laramie River (WY)	6,914	52.7	8.64	.35	46	497.0	28.78	.34	--	--	--	100	*	--
Antelope Valley (ND)	5,193	74.4	9.84	1.08	8	495.6	28.70	.34	--	--	--	100	*	--
Big Rivers Electric Corp	4,534	121.3	27.34	3.09	25	437.9	25.38	.00	52	298.6	2.99	100	*	*
Coleman (KY)	1,133	97.4	21.95	2.54	--	--	--	--	52	298.6	2.99	100	*	*
Reid-Henderson (KY)	658	121.4	29.65	2.33	17	442.9	25.67	.00	--	--	--	99	1	--
R D Green (KY)	1,482	119.0	24.96	3.78	--	--	--	--	--	--	--	100	--	--
Wilson (KY)	1,260	144.3	33.77	3.17	8	427.2	24.76	.00	--	--	--	100	*	--
Boston Edison Co	--	--	--	--	6,377	235.1	14.96	.79	29,129	252.8	2.61	--	57	43
Mystic (MA)	--	--	--	--	4,349	231.7	14.80	.95	1,982	244.2	2.64	--	93	7
New Boston (MA)	--	--	--	--	2,028	242.5	15.31	.45	27,146	253.5	2.61	--	31	69
Braintree City of	--	--	--	--	--	--	--	--	540	229.6	2.37	--	--	100
Potter Station (MA)	--	--	--	--	--	--	--	--	540	229.6	2.37	--	--	100
Brazos Electric Power Coop Inc ..	--	--	--	--	--	--	--	--	17,671	186.1	1.89	--	--	100
North Texas (TX)	--	--	--	--	--	--	--	--	917	194.8	2.10	--	--	100
Miller (TX)	--	--	--	--	--	--	--	--	16,754	185.6	1.88	--	--	100
Bryan City of	--	--	--	--	--	--	--	--	6,592	181.6	1.95	--	--	100
Bryan (TX)	--	--	--	--	--	--	--	--	1,425	185.8	1.96	--	--	100
Dansby (TX)	--	--	--	--	--	--	--	--	5,167	180.4	1.94	--	--	100
Burbank City of	--	--	--	--	--	--	--	--	2,266	301.4	3.11	--	--	100
Magnolia-Olive (CA)	--	--	--	--	--	--	--	--	2,266	301.4	3.11	--	--	100
Burlington City of	--	--	--	--	--	--	--	--	800	202.4	2.00	64	--	36
J C McNeil (VT)	--	--	--	--	--	--	--	--	800	202.4	2.00	64	--	36
Cajun Electric Power Coop Inc	5,344	147.5	24.69	.46	47	418.2	24.59	.00	5,465	186.7	1.94	94	*	6
Big Cajun No.1 (LA)	--	--	--	--	--	--	--	--	5,465	186.7	1.94	--	--	100
Big Cajun No.2 (LA)	5,344	147.5	24.69	.46	47	418.2	24.59	.00	--	--	--	100	*	--
Cambridge Electric Light Co	--	--	--	--	176	258.8	16.43	.48	630	268.3	2.68	--	64	36
Kendall Square (MA)	--	--	--	--	176	258.8	16.43	.48	630	268.3	2.68	--	64	36
Canal Electric Co	--	--	--	--	9,789	198.2	12.59	1.91	--	--	--	--	100	--
Canal (MA)	--	--	--	--	9,789	198.2	12.59	1.91	--	--	--	--	100	--
Cardinal Operating Co	4,277	148.0	35.06	2.16	33	459.2	26.79	.00	--	--	--	100	*	--
Cardinal (OH)	4,277	148.0	35.06	2.16	33	459.2	26.79	.00	--	--	--	100	*	--
Carolina Power & Light Co	10,403	172.6	42.86	.88	98	444.0	25.73	.20	--	--	--	100	*	--
Asheville (NC)	789	133.1	34.82	1.18	7	436.3	25.29	.20	--	--	--	100	*	--
Cape Fear (NC)	427	197.1	50.40	.97	*	377.6	21.89	.20	--	--	--	100	*	--
Lee (NC)	580	190.9	48.40	.98	--	--	--	--	--	--	--	100	--	--
Roxboro (NC)	5,737	173.5	42.92	.86	59	439.6	25.48	.20	--	--	--	100	*	--
Sutton (NC)	767	155.1	38.57	.93	4	453.4	26.28	.20	--	--	--	100	*	--
Weatherspoon (NC)	238	162.1	40.23	1.07	*	472.8	27.40	.20	--	--	--	100	*	--
Robinson (SC)	271	171.4	42.67	1.05	3	477.6	27.68	.20	--	--	--	100	*	--
Mayo (NC)	1,595	186.7	45.08	.64	26	450.8	26.13	.20	--	--	--	100	*	--
Cedar Falls City of	10	140.9	31.54	2.72	--	--	--	--	25	244.4	2.46	90	--	10
Streeter (IA)	10	140.9	31.54	2.72	--	--	--	--	25	244.4	2.46	90	--	10

See footnotes at end of table.

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

**Table 31. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels
by Electric Utility and Plant, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Coal	Petroleum	Gas
Central Electric Pwr Coop-MO	83	118.5	26.00	3.14	--	--	--	--	--	--	--	100	--	--
Chamois (MO)	83	118.5	26.00	3.14	--	--	--	--	--	--	--	100	--	--
Central Hudson Gas & Elec Corp	881	182.1	47.40	.59	6,618	226.3	14.47	1.11	16,452	244.5	2.49	28	52	20
Danskammer (NY)	881	182.1	47.40	.59	99	261.7	16.73	.94	2,788	249.9	2.55	87	2	11
Roseton (NY)	--	--	--	--	6,519	225.7	14.44	1.11	13,664	243.5	2.48	--	75	25
Central Illinois Light Co	2,267	168.1	40.20	1.99	12	459.4	26.60	.23	--	--	--	100	*	--
Edwards (IL)	1,253	169.7	43.94	.91	7	455.1	26.35	.22	--	--	--	100	*	--
Duck Creek (IL)	1,014	165.7	35.57	3.32	5	464.8	26.90	.24	--	--	--	100	*	--
Central Illinois Pub Serv Co	4,403	159.8	35.63	2.54	67	457.7	26.46	.18	--	--	--	100	*	--
Coffeen (IL)	1,755	155.6	32.87	3.00	16	464.5	26.76	.14	--	--	--	100	*	--
Grand Tower (IL)	180	176.5	40.75	2.82	5	457.0	26.60	.25	--	--	--	99	1	--
Hutsonville (IL)	229	148.3	33.56	2.27	9	463.1	26.74	.17	--	--	--	99	1	--
Meredosia (IL)	529	152.9	35.38	2.71	11	453.3	26.32	.15	--	--	--	99	1	--
Newton (IL)	1,709	165.7	38.28	2.01	25	453.6	26.20	.21	--	--	--	100	*	--
Central Iowa Power Coop	148	113.4	25.42	3.09	1	565.0	32.27	.35	8	348.6	3.55	100	*	*
Summit Lake (IA)	--	--	--	--	1	565.0	32.27	.35	--	--	--	--	100	--
Fair Station (IA)	148	113.4	25.42	3.09	--	--	--	--	8	348.6	3.55	100	--	*
Central Louisiana Elec Co Inc	5,082	156.6	23.82	.56	--	--	--	--	28,234	204.6	2.13	72	--	28
Dolet Hills (LA)	3,212	138.3	19.22	.62	--	--	--	--	167	204.2	2.10	100	--	*
Coughlin (LA)	--	--	--	--	--	--	--	--	4,392	199.9	2.12	--	--	100
Teche (LA)	--	--	--	--	--	--	--	--	12,239	193.3	2.02	--	--	100
Rodema:her (LA)	1,870	181.7	31.71	.45	--	--	--	--	11,436	218.6	2.25	73	--	27
Central Maine Power Co	--	--	--	--	2,178	228.0	14.43	.95	--	--	--	--	100	--
Wyman (ME)	--	--	--	--	2,178	228.0	14.43	.95	--	--	--	--	100	--
Central Nebraska Pub P&I Dist	--	--	--	--	--	--	--	--	10	433.3	4.03	--	--	100
Canaday (NE)	--	--	--	--	--	--	--	--	10	433.3	4.03	--	--	100
Central Operating Co	1,367	165.0	40.77	1.20	32	478.6	27.49	.00	--	--	--	99	1	--
Sporn (WV)	1,367	165.0	40.77	1.20	32	478.6	27.49	.00	--	--	--	99	1	--
Central Power & Light Co	1,860	203.5	44.68	.40	6	436.3	25.40	.34	85,938	209.8	2.17	31	*	69
Joslin (TX)	--	--	--	--	--	--	--	--	4,617	235.5	2.45	--	--	100
Bates (TX)	--	--	--	--	--	--	--	--	7,511	201.3	2.09	--	--	100
Laredo (TX)	--	--	--	--	--	--	--	--	7,243	245.2	2.58	--	--	100
Hill (TX)	--	--	--	--	--	--	--	--	15,094	203.1	2.12	--	--	100
Nueces Bay (TX)	--	--	--	--	--	--	--	--	11,717	205.8	2.12	--	--	100
La Palma (TX)	--	--	--	--	--	--	--	--	8,493	207.0	2.19	--	--	100
Victoria (TX)	--	--	--	--	--	--	--	--	3,796	187.3	1.98	--	--	100
Davis (TX)	--	--	--	--	--	--	--	--	27,468	207.9	2.12	--	--	100
Coleto Creek (TX)	1,860	203.5	44.68	.40	6	436.3	25.40	.34	--	--	--	100	*	--
Century Power Corp	2,493	170.9	31.16	.63	12	508.4	30.56	.13	--	--	--	100	*	--
Springerville (AZ)	2,493	170.9	31.16	.63	12	508.4	30.56	.13	--	--	--	100	*	--
Chugach Electric Assn Inc	--	--	--	--	--	--	--	--	11,698	57.3	.57	--	--	100
Beluga (AK)	--	--	--	--	--	--	--	--	11,698	57.3	.57	--	--	100
Cincinnati Gas & Electric Co	9,322	137.6	33.09	2.28	78	436.6	24.94	.38	--	--	--	100	*	--
Beckjord (OH)	1,351	164.7	38.71	1.76	22	427.2	24.64	.41	--	--	--	100	*	--
Miami Fort (OH)	2,501	163.5	39.79	1.32	20	453.3	25.43	.26	--	--	--	100	*	--
East Bend (KY)	1,176	161.7	38.07	1.51	12	443.0	25.42	.43	--	--	--	100	*	--
Zimmer (OH)	4,294	107.7	26.05	3.22	24	428.5	24.57	.43	--	--	--	100	*	--
Cleveland Electric Illum Co	4,649	151.8	38.83	2.60	64	450.0	26.19	.29	--	--	--	100	*	--
Ashtabula (OH)	901	150.8	38.73	3.22	13	447.8	26.01	.30	--	--	--	100	*	--
Avon Lake (OH)	1,527	153.5	38.51	2.45	17	451.7	26.34	.28	--	--	--	100	*	--
Eastlake (OH)	2,029	149.6	38.66	2.63	27	448.4	26.10	.29	--	--	--	100	*	--
Lake Shore (OH)	192	165.4	43.61	.64	7	456.1	26.45	.29	--	--	--	99	1	--

See footnotes at end of table.

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

**Table 31. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels
by Electric Utility and Plant, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co al	Pe- ti- o- le- um	Gas
Coffeyville City of	--	--	--	--	--	--	--	--	749	191.4	1.91	--	--	100
Coffeyville (KS)	--	--	--	--	--	--	--	--	749	191.4	1.91	--	--	100
Colorado Springs City of	1,215	152.8	32.94	0.37	--	--	--	--	9	323.6	3.18	100	--	*
Drake (CO)	604	164.3	34.99	.36	--	--	--	--	3	338.5	3.33	100	--	*
Birdsall (CO)	--	--	--	--	--	--	--	--	6	315.1	3.09	--	--	100
Nixon (CO)	610	141.6	30.90	.38	--	--	--	--	--	--	--	100	--	--
Columbia City of	37	211.2	59.04	.64	--	--	--	--	6	250.0	2.50	99	--	1
Columbia (MO)	37	211.2	59.04	.64	--	--	--	--	6	250.0	2.50	99	--	1
Columbus Southern Power Co	3,729	146.1	35.00	3.21	19	437.3	25.79	0.00	--	--	--	100	*	--
Conesville (OH)	3,422	149.5	35.98	3.23	18	436.6	25.75	.00	--	--	--	100	*	--
Picway (OH)	307	105.4	24.16	3.05	*	471.0	27.85	.00	--	--	--	100	*	--
Columbus City of	29	164.4	41.58	.95	--	--	--	--	--	--	--	100	--	--
Solid Waste R F (OH)	29	164.4	41.58	.95	--	--	--	--	--	--	--	100	--	--
Commonwealth Edison Co	8,553	258.4	50.03	.99	2,102	297.0	18.85	.64	7,832	227.9	2.32	89	7	4
Crawford (IL)	303	314.9	59.16	.42	--	--	--	--	359	344.0	3.52	94	--	6
Joliet (IL)	1,919	280.4	52.82	.42	8	452.8	26.44	.25	5,291	193.4	1.96	87	*	13
Kincaid (IL)	1,716	166.9	35.09	3.40	--	--	--	--	61	286.2	2.89	100	--	*
Powerton (IL)	1,279	267.6	51.29	.35	--	--	--	--	337	424.9	4.25	99	--	1
Waukegan (IL)	880	266.9	50.22	.40	25	437.7	25.56	.25	246	231.1	2.35	98	1	1
Will County (IL)	1,682	306.5	58.21	.37	170	440.5	25.72	.25	--	--	--	97	3	--
Fisk (IL)	321	275.8	51.37	.38	1	395.2	23.03	.24	1,222	281.8	2.88	83	*	17
State Line (IN)	452	278.5	53.44	.36	--	--	--	--	316	243.0	2.48	96	--	4
Collins (IL)	--	--	--	--	1,898	282.9	18.12	.68	--	--	--	100	--	--
Commonwealth Electric Co	--	--	--	--	29	221.7	14.10	.97	16	236.1	2.36	--	92	8
Cannon (MA)	--	--	--	--	29	221.7	14.10	.97	16	236.1	2.36	--	92	8
Connecticut Light & Power Co	--	--	--	--	5,079	245.6	15.48	.82	357	490.4	5.05	--	99	1
Devon (CT)	--	--	--	--	839	229.8	14.58	.97	--	--	--	100	--	--
Montville (CT)	--	--	--	--	698	218.1	13.61	.92	357	490.4	5.05	--	92	8
Norwalk Harbor (CT)	--	--	--	--	1,890	240.7	15.27	.99	--	--	--	100	--	--
Middletown (CT)	--	--	--	--	1,652	270.7	16.98	.50	--	--	--	100	--	--
Consolidated Edison Co-NY Inc	--	--	--	--	8,949	277.6	17.35	.27	86,468	228.3	2.36	--	39	61
East River (NY)	--	--	--	--	1,196	264.5	16.55	.26	3,711	213.9	2.21	--	66	34
Hudson Avenue (NY)	--	--	--	--	2,004	272.4	17.05	.27	--	--	--	100	--	--
Indian Point (NY)	--	--	--	--	25	350.3	21.70	.37	--	--	--	100	--	--
Ravenswood (NY)	--	--	--	--	--	--	--	--	42,052	230.3	2.38	--	100	--
Waterside (NY)	--	--	--	--	--	--	--	--	7,578	227.4	2.34	--	100	--
59th St (NY)	--	--	--	--	8	381.4	23.62	.30	--	--	--	100	--	--
Astoria (NY)	--	--	--	--	895	276.6	17.31	.26	33,127	227.5	2.35	--	14	86
Storage Facility #8	--	--	--	--	250	245.9	15.28	.27	--	--	--	100	--	--
Storage Facility #7	--	--	--	--	803	273.5	17.15	.27	--	--	--	100	--	--
Storage Facility #6	--	--	--	--	1,075	300.8	18.62	.25	--	--	--	100	--	--
Storage Facility #5	--	--	--	--	661	302.4	18.88	.28	--	--	--	100	--	--
Storage Facility #4	--	--	--	--	1,261	273.8	17.14	.27	--	--	--	100	--	--
Storage Facility #3	--	--	--	--	771	276.7	17.38	.26	--	--	--	100	--	--
Consumers Power Co	6,926	161.0	38.73	.75	531	250.8	16.00	.92	--	--	--	98	2	--
Cobb (MI)	859	161.1	35.69	.62	3	437.2	25.34	.50	--	--	--	100	*	--
Karn-Weadock (MI)	1,274	153.8	37.49	.85	495	239.3	15.37	.95	--	--	--	91	9	--
Campbell (MI)	3,066	171.9	42.74	.74	17	427.7	24.79	.50	--	--	--	100	*	--
Weadock (MI)	944	148.9	33.41	.69	15	420.5	24.37	.50	--	--	--	100	*	--
Whiting (MI)	783	142.5	34.79	.87	1	404.1	23.42	.50	--	--	--	100	*	--
Coop Power Assn	7,438	72.7	9.10	.78	4	245.5	15.16	2.50	--	--	--	100	*	--
Coal Creek (ND)	7,438	72.7	9.10	.78	4	245.5	15.16	2.50	--	--	--	100	*	--
Dairyland Power Coop	2,046	139.2	28.04	.71	17	465.2	27.36	.50	--	--	--	100	*	--
Alma-Madgett (WI)	1,248	142.7	25.72	.46	7	465.6	27.38	.50	--	--	--	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co al	Pe- tr- o- le- um	Gas
Dairyland Power Coop														
Genoa No.3 (WI)	773	135.1	31.62	1.10	7	472.9	27.80	0.50	--	--	--	100	*	--
Stoneman (WI)	24	134.0	32.92	1.11	3	445.5	26.20	.50	--	--	--	97	3	--
Dayton Power & Light Co	6,837	141.9	33.41	1.22	67	431.7	25.09	.35	83	377.8	3.85	100	*	*
Hutchings (OH)	51	131.3	33.06	.89	--	--	--	--	83	377.8	3.85	94	--	6
Stuart (OH)	5,981	140.7	32.96	1.30	17	442.9	25.58	.30	--	--	--	100	*	--
Killen (OH)	805	151.3	36.75	.64	50	427.9	24.92	.37	--	--	--	99	1	--
Delmarva Power & Light Co	1,532	173.4	45.31	1.03	2,563	228.1	14.47	1.25	1,916	250.3	2.60	69	28	3
Edgemoor (DE)	554	183.4	48.06	.80	1,660	225.5	14.37	.97	1,916	250.3	2.60	54	39	7
Indian River (DE)	978	167.7	43.76	1.16	106	446.5	25.98	.25	--	--	--	98	2	--
Vienna (MD)	--	--	--	--	797	206.8	13.13	1.96	--	--	--	--	100	--
Denton City of	--	--	--	--	--	--	--	--	1,726	213.1	2.36	--	--	100
Spencer (TX)	--	--	--	--	--	--	--	--	1,726	213.1	2.36	--	--	100
Deseret Generation & Tran Coop	1,517	201.4	42.42	.48	--	--	--	--	--	--	--	100	--	--
Bonanza (UT)	1,517	201.4	42.42	.48	--	--	--	--	--	--	--	100	--	--
Detroit City of	--	--	--	--	196	296.8	17.86	.70	1,825	266.2	2.73	--	39	61
Mistersky (MI)	--	--	--	--	196	296.8	17.86	.70	1,825	266.2	2.73	--	39	61
Detroit Edison Co	13,001	150.2	31.62	.63	181	428.8	24.85	.27	20,033	175.6	.61	98	*	2
Harbor Beach (MI)	39	162.3	42.66	.85	6	431.3	24.77	.35	--	--	--	97	3	--
Marysville (MI)	61	183.2	47.86	.85	--	--	--	--	74	338.9	3.45	95	--	5
Monroe (MI)	7,820	150.5	33.59	.83	81	432.2	25.06	.26	--	--	--	100	*	--
River Rouge (MI)	968	150.6	35.41	.59	--	--	--	--	14,628	163.1	.17	94	--	6
St Clair (MI)	4,439	144.9	28.00	.52	43	420.9	24.36	.30	104	318.0	3.25	100	*	*
Tranton Channel (MI)	1,200	161.8	36.80	.59	12	427.3	24.81	.27	--	--	--	100	*	--
Belle River (MI)	3,474	150.1	28.53	.35	38	430.2	24.96	.24	--	--	--	100	*	--
Greenwood (MI)	--	--	--	--	1	441.3	25.56	.25	5,227	173.9	1.76	--	*	100
Dover City of	--	--	--	--	448	258.4	16.27	1.41	272	328.5	3.41	--	91	9
Mckee Run (DE)	--	--	--	--	448	258.4	16.27	1.41	272	328.5	3.41	--	91	9
Duke Power Co	10,746	172.2	43.03	.96	113	440.6	25.70	.30	--	--	--	100	*	--
Allen (NC)	877	187.4	46.85	1.07	33	444.2	25.95	.30	--	--	--	99	1	--
Buck (NC)	261	159.5	39.46	1.01	--	--	--	--	--	--	--	100	--	--
Cliffside (NC)	814	174.4	44.20	.98	15	439.1	25.51	.30	--	--	--	100	*	--
Dan River (NC)	246	152.0	37.87	.96	--	--	--	--	--	--	--	100	--	--
Marshall (NC)	3,624	172.3	43.17	1.00	24	440.9	25.68	.30	--	--	--	100	*	--
Riverbend (NC)	318	163.2	41.46	1.07	--	--	--	--	--	--	--	100	--	--
Lee (SC)	218	155.2	38.15	.75	16	447.7	26.13	.30	--	--	--	98	2	--
Belows Creek (NC)	4,388	172.1	42.78	.90	25	431.7	25.23	.30	--	--	--	100	*	--
Duquesne Light Co	2,424	148.0	37.52	1.72	7	457.2	25.96	.08	176	283.8	2.95	100	*	*
Elrama (PA)	1,104	173.0	42.66	1.68	7	457.2	25.96	.08	--	--	--	100	*	--
Cheswick (PA)	1,320	128.1	33.23	1.75	--	--	--	--	176	283.8	2.95	99	--	1
East Kentucky Power Coop Inc ..	2,561	114.5	28.20	1.37	15	453.8	26.42	.14	--	--	--	100	*	--
Cooper (KY)	732	113.1	27.95	1.62	3	439.3	25.57	.20	--	--	--	100	*	--
Dale (KY)	287	106.8	26.47	.84	2	444.6	25.88	.12	--	--	--	100	*	--
Spurlock (KY)	1,542	116.7	28.64	1.35	10	459.6	26.75	.12	--	--	--	100	*	--
El Paso Electric Co	--	--	--	--	--	--	--	--	26,578	197.1	2.02	--	--	100
Rio Grande (TX)	--	--	--	--	--	--	--	--	6,323	212.0	2.18	--	--	100
Newman (TX)	--	--	--	--	--	--	--	--	20,255	192.5	1.97	--	--	100
Electric Energy Inc	3,108	104.3	22.77	1.66	14	504.5	29.05	.25	--	--	--	100	*	--
Joppa (IL)	3,108	104.3	22.77	1.66	14	504.5	29.05	.25	--	--	--	100	*	--
Empire District Electric Co	1,118	99.2	18.41	.62	4	435.1	25.48	.00	75	190.8	1.91	100	*	*
Riverton (KS)	269	112.7	22.64	1.18	--	--	--	--	75	190.8	1.91	99	--	1
Asbury (MO)	848	94.5	17.06	.44	4	435.1	25.48	.00	--	--	--	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co al	Pe- tr- o- le- um	Gas
Fayetteville Public Works Comm.	--	--	--	--	--	--	--	--	2,917	286.0	2.96	--	--	100
Butler Warner (NC)	--	--	--	--	--	--	--	--	2,917	286.0	2.96	--	--	100
Florida Power & Light Co	--	--	--	--	28,745	244.7	15.58	1.35	124,153	224.9	2.25	--	60	40
Cape Canaveral (FL)	--	--	--	--	3,462	247.7	15.68	1.76	10,106	221.5	2.22	--	68	32
Cutler (FL)	--	--	--	--	--	--	--	--	4,534	245.1	2.45	--	--	100
Fort Myers (FL)	--	--	--	--	4,129	226.9	14.40	1.58	--	--	--	--	100	--
Port Everglades (FL)	--	--	--	--	3,594	251.7	16.09	.98	38,917	218.5	2.19	--	37	63
Riviera (FL)	--	--	--	--	3,001	218.0	13.90	1.87	10,072	233.5	2.33	--	66	34
Sanford (FL)	--	--	--	--	3,485	254.7	16.11	1.96	9,938	220.8	2.21	--	69	31
Turkey Point (FL)	--	--	--	--	1,907	251.0	15.98	.98	11,181	226.6	2.27	--	52	48
Manatee (FL)	--	--	--	--	6,893	246.7	15.73	.99	--	--	--	--	100	--
Martin (FL)	--	--	--	--	2,274	270.2	17.30	.69	23,834	229.6	2.30	--	38	62
Putnam (FL)	--	--	--	--	--	--	--	--	15,571	225.8	2.26	--	--	100
Florida Power Corp	5,598	178.8	45.03	0.83	10,960	236.6	15.07	1.43	573	249.4	2.56	67	33	*
Crystal River (FL)	3,903	185.0	46.85	.82	75	443.1	26.15	.23	--	--	--	100	*	--
Turner (FL)	--	--	--	--	1	454.8	26.87	.22	551	251.3	2.58	--	1	99
Higgins (FL)	--	--	--	--	408	256.4	16.36	.99	22	202.3	2.08	--	99	1
Bartow (FL)	--	--	--	--	122	160.9	10.26	2.42	*	245.0	2.52	--	100	*
Suwannee (FL)	--	--	--	--	338	276.6	17.51	1.89	--	--	--	--	100	--
Anclote (FL)	--	--	--	--	55	444.0	26.20	.25	--	--	--	--	100	--
TTI Transfer (KY)	316	140.8	34.74	.93	--	--	--	--	--	--	--	100	--	--
IMT Transfer (LA)	1,379	169.6	42.23	.85	--	--	--	--	--	--	--	100	--	--
Storage Facility #2	--	--	--	--	650	258.5	16.50	.98	--	--	--	100	--	--
Storage Facility #1	--	--	--	--	9,311	231.1	14.73	1.46	--	--	--	100	--	--
Fort Pierce City of	--	--	--	--	1	318.5	19.15	.75	3,691	253.5	2.60	--	*	100
H D King (FL)	--	--	--	--	1	318.5	19.15	.75	3,691	253.5	2.60	--	*	100
Fremont City of	180	98.3	17.96	.38	--	--	--	--	74	202.3	2.02	98	*	2
Wright (NE)	180	98.3	17.96	.38	--	--	--	--	74	202.3	2.02	98	*	2
Gainesville Regional Utilities	523	173.1	45.67	.68	--	--	--	--	5,736	232.6	2.39	70	--	30
Deerhaven (FL)	523	173.1	45.67	.68	--	--	--	--	4,111	235.9	2.42	77	--	23
Jr Kelly (FL)	--	--	--	--	--	--	--	--	1,625	224.3	2.30	--	--	100
Garland City of	--	--	--	--	--	--	--	--	11,171	186.6	1.92	--	--	100
Newman (TX)	--	--	--	--	--	--	--	--	338	187.7	1.94	--	--	100
Olinger (TX)	--	--	--	--	--	--	--	--	10,833	186.6	1.92	--	--	100
Georgia Power Co	22,695	180.3	43.40	1.69	214	433.2	25.58	.79	385	275.7	2.83	100	*	*
Arkwright (GA)	30	190.4	49.32	1.69	--	--	--	--	57	301.5	3.08	93	--	7
Atkinson-McDonough (GA)	1,383	162.9	38.70	1.88	--	--	--	--	328	271.2	2.78	99	--	1
Bowen (GA)	8,082	162.0	39.47	1.54	23	457.6	26.62	.50	--	--	--	100	*	--
Hammond (GA)	803	174.9	45.36	1.66	10	458.6	26.68	.50	--	--	--	100	*	--
Harlee Branch (GA)	3,137	166.0	41.06	1.30	14	458.6	26.67	.50	--	--	--	100	*	--
Mcmanus (GA)	--	--	--	--	50	338.6	20.95	1.76	--	--	--	--	100	--
Mitchell (GA)	154	185.6	47.13	1.32	40	481.8	28.02	.50	--	--	--	94	6	--
Yates (GA)	1,576	190.3	45.54	1.99	22	460.9	26.81	.50	--	--	--	100	*	--
Wansley (GA)	4,719	202.8	45.39	2.65	13	455.0	26.47	.50	--	--	--	100	*	--
Scherer (GA)	2,810	217.7	54.28	.67	41	458.1	26.65	.50	--	--	--	100	*	--
Glendale City of	--	--	--	--	--	--	--	--	2,289	277.6	2.86	--	--	100
Glendale (CA)	--	--	--	--	--	--	--	--	2,289	277.6	2.86	--	--	100
Grand Haven City of	205	150.3	33.12	2.46	--	--	--	--	--	--	--	100	--	--
J B Simms (MI)	205	150.3	33.12	2.46	--	--	--	--	--	--	--	100	--	--
Grand Island City of	275	71.0	11.92	.31	--	--	--	--	419	213.9	2.03	92	--	8
Platte (NE)	275	71.0	11.92	.31	--	--	--	--	--	--	--	100	--	--
Burdick (NE)	--	--	--	--	--	--	--	--	419	213.9	2.03	--	--	100
Grand River Dam Authority	3,593	91.0	15.62	.46	4	390.5	22.59	.45	544	203.8	2.06	99	*	1
GRDA No 1 (OK)	3,593	91.0	15.62	.46	4	390.5	22.59	.45	544	203.8	2.06	99	*	1

See footnotes at end of table.

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

**Table 31. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels
by Electric Utility and Plant, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Coal	Petroleum	Gas
Greenville City of	--	--	--	--	--	--	--	--	443	204.6	2.21	--	--	100
Power Lane (TX)	--	--	--	--	--	--	--	--	443	204.6	2.21	--	--	100
Gulf Power Co	2,994	186.6	44.65	2.74	12	430.7	24.78	0.45	287	187.6	1.88	100	*	*
Crist (FL)	2,077	172.2	41.13	2.71	6	413.4	23.79	.45	287	187.6	1.88	99	*	1
Scholtz (FL)	32	148.7	36.27	3.06	1	459.4	26.43	.45	--	--	--	100	*	--
Smith (FL)	885	221.9	53.23	2.80	5	450.2	25.91	.45	--	--	--	100	*	--
Gulf States Utilities Co	2,249	160.9	28.02	.45	17	425.4	24.69	.15	187,379	193.7	2.01	17	*	83
Nelson (LA)	2,249	160.9	28.02	.45	17	425.6	24.69	.15	20,379	176.5	1.86	65	*	35
Willow Glen (LA)	--	--	--	--	--	--	--	--	38,921	187.9	1.96	--	--	100
Lewis Creek (TX)	--	--	--	--	--	--	--	--	25,050	191.2	1.97	--	--	100
Sabine (TX)	--	--	--	--	--	413.6	25.15	.25	101,168	200.2	2.06	--	*	100
Spindletop Storage (TX)	--	--	--	--	--	--	--	--	1,861	192.9	1.99	--	--	100
Hamilton City of	26	146.6	36.71	.71	1	454.8	26.17	.21	1,981	196.5	2.02	24	*	76
Hamilton (OH)	26	146.6	36.71	.71	1	454.8	26.17	.21	1,981	196.5	2.02	24	*	76
Hastings City of	161	86.3	15.07	.28	--	--	--	--	--	--	--	100	--	--
Hastings (NE)	161	86.3	15.07	.28	--	--	--	--	--	--	--	100	--	--
Hawaiian Electric Co Inc	--	--	--	--	8,324	292.1	18.32	.44	--	--	--	--	100	--
Honolulu (HI)	--	--	--	--	85	327.4	20.47	.45	--	--	--	--	100	--
Kahe (HI)	--	--	--	--	3,279	290.4	18.32	.44	--	--	--	--	100	--
Waiau (HI)	--	--	--	--	266	321.5	20.20	.46	--	--	--	--	100	--
Storage Facility #1	--	--	--	--	4,693	291.0	18.17	.44	--	--	--	--	100	--
Holland City of	153	175.0	45.54	.82	--	--	--	--	--	--	--	100	--	--
James De Young (MI)	153	175.0	45.54	.82	--	--	--	--	--	--	--	100	--	--
Holyoke Water Power Co	363	168.8	44.65	1.33	4	446.1	25.97	.22	--	--	--	100	*	--
Mount Tom (MA)	363	168.8	44.65	1.33	4	446.1	25.97	.22	--	--	--	100	*	--
Hoosier Energy R E C Inc	3,062	125.5	27.82	3.32	19	423.8	24.53	.06	--	--	--	100	*	--
Frank E Ratts (IN)	635	136.8	30.74	2.72	3	414.5	23.96	.14	--	--	--	100	*	--
Merom (IN)	2,426	122.5	27.05	3.47	16	425.3	24.62	.05	--	--	--	100	*	--
Houston Lighting & Power Co	16,695	202.8	31.00	.74	52	426.8	25.64	.61	217,470	186.4	1.91	53	*	47
Limestone (TX)	7,156	165.3	21.54	1.23	6	651.7	37.93	.50	1,029	181.1	1.86	99	*	1
Cedar Bayou (TX)	--	--	--	--	23	415.4	24.92	.56	73,116	185.7	1.90	--	*	100
Deepwater (TX)	--	--	--	--	--	--	--	--	862	204.0	2.10	--	--	100
Green Bayou (TX)	--	--	--	--	1	380.9	23.35	.60	12,369	179.1	1.85	--	*	100
Robinson (TX)	--	--	--	--	9	380.9	23.35	.70	64,206	184.6	1.90	--	*	100
Bertron (TX)	--	--	--	--	13	389.2	23.35	.70	6,413	182.5	1.88	--	1	99
Wharton (TX)	--	--	--	--	--	--	--	--	14,597	192.5	1.96	--	--	100
Parish (TX)	9,540	224.4	38.10	.38	--	--	--	--	30,767	189.6	1.94	84	--	16
Webster (TX)	--	--	--	--	--	--	--	--	11,315	176.4	1.80	--	--	100
Storage Facility #1	--	--	--	--	--	--	--	--	2,794	257.7	2.60	--	--	100
Illinois Power Co	6,146	139.1	30.79	2.48	92	328.2	20.15	.61	1,246	177.2	1.80	99	*	1
Baldwin (IL)	4,310	137.1	29.60	2.91	8	419.8	24.33	.30	--	--	--	100	*	--
Havana (IL)	386	150.0	37.00	.60	82	317.5	19.63	.65	--	--	--	95	5	--
Hennepin (IL)	422	148.9	31.86	2.92	--	--	--	--	851	153.3	1.56	91	--	9
Vermilion (IL)	323	126.3	27.51	2.31	2	427.5	24.78	.30	--	--	--	100	*	--
Wood River (IL)	705	144.0	35.52	.72	--	--	--	--	395	228.6	2.33	98	--	2
Imperial Irrigation District	--	--	--	--	--	--	--	--	3,908	313.7	3.23	--	--	100
El Centro (CA)	--	--	--	--	--	--	--	--	3,908	313.7	3.23	--	--	100
Independence City of	44	127.9	30.99	3.23	--	--	--	--	53	216.6	2.17	95	--	5
Blue Valley (MO)	44	127.9	30.99	3.23	--	--	--	--	53	216.6	2.17	95	--	5
Indiana Michigan Power Co	10,598	119.6	21.50	.52	65	429.3	24.79	.00	--	--	--	100	*	--
Breed (IN)	--	--	--	--	4	412.1	23.77	.00	--	--	--	--	--	100
Tanners Creek (IN)	1,323	154.1	35.78	1.88	23	417.1	24.41	.00	--	--	--	100	*	--
Rockport (IN)	9,275	113.0	19.47	.32	39	438.3	25.12	.00	--	--	--	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	C o a l	P e t r o l e u m	G a s
Indiana-Kentucky Electric Corp ...	3,765	109.3	24.50	2.90	5	501.8	29.03	0.28	—	—	—	100	*	—
Clifty Creek (IN)	3,765	109.3	24.50	2.90	5	501.8	29.03	.28	—	—	—	100	*	—
Indianapolis Power & Light Co	6,082	105.8	23.69	2.31	39	458.9	26.60	.28	—	—	—	100	*	—
Stout (IN)	1,069	128.0	28.70	1.60	8	487.3	27.99	.29	—	—	—	100	*	—
Pritchard (IN)	358	121.9	27.73	1.07	14	459.4	26.77	.30	—	—	—	99	1	—
Petersburg (IN)	4,655	99.5	22.23	2.57	18	445.7	25.83	.26	—	—	—	100	*	—
Interstate Power Co	1,181	184.4	36.62	1.29	9	437.4	25.72	.00	2,008	174.8	1.75	92	*	8
Dubuque (IA)	90	200.0	44.15	3.00	—	—	—	—	26	251.5	2.52	99	—	1
Laurens (IA)	590	233.8	39.87	.40	9	437.4	25.72	.00	—	—	—	99	1	—
Kapp (IA)	501	138.1	31.44	2.02	—	—	—	—	57	314.9	3.18	99	—	1
Fox Lake (MN)	—	—	—	—	—	—	—	—	1,925	169.5	1.70	—	—	100
Iowa Electric Light & Power Co ..	609	123.7	23.66	1.31	5	457.5	26.61	.00	948	277.0	2.77	93	*	7
6th St (IA)	25	136.7	31.75	2.05	—	—	—	—	556	269.2	2.69	51	—	49
Prairie Creek (IA)	439	129.1	25.21	1.47	5	457.5	26.61	.00	63	283.6	2.84	95	*	1
Sutherland (IA)	145	102.3	17.60	.71	—	—	—	—	329	289.1	2.89	92	—	6
Iowa Southern Utilities Co	2,314	109.1	18.77	.66	8	439.6	25.46	.04	—	—	—	100	*	—
Burlington (IA)	476	104.0	19.74	1.95	3	455.1	26.36	.04	—	—	—	100	*	—
Ottumwa (IA)	1,838	110.6	18.52	.32	5	430.8	24.95	.04	—	—	—	100	*	—
Iowa-Illinois Gas&Electric Co	2,081	110.9	19.45	.52	—	—	—	—	453	311.4	3.16	99	—	1
Riverside (IA)	281	110.9	24.76	1.85	—	—	—	—	330	323.5	3.29	95	—	5
Louisa (IA)	1,800	110.9	18.62	.31	—	—	—	—	123	278.9	2.82	100	—	*
Jacksonville Electric Auth	3,624	163.2	40.25	.93	1,760	201.0	12.77	1.70	16,998	228.0	2.38	76	9	15
St Johns River (FL)	3,624	163.2	40.25	.93	30	445.6	26.01	.35	—	—	—	100	*	—
Kennedy (FL)	—	—	—	—	—	—	—	—	498	251.2	2.61	—	—	100
Northside (FL)	—	—	—	—	1,730	197.1	12.54	1.72	15,202	225.9	2.36	—	41	59
Southside (FL)	—	—	—	—	—	—	—	—	1,297	244.5	2.55	—	—	100
Jamestown City of	114	132.6	33.56	1.79	—	—	—	—	—	—	—	100	—	—
Samuel A Carlson (NY)	114	132.6	33.56	1.79	—	—	—	—	—	—	—	100	—	—
Jersey Central Power&Light Co ..	—	—	—	—	102	320.3	20.22	.60	3,777	253.1	2.61	—	14	86
Werner (NJ)	—	—	—	—	19	311.0	19.48	.30	—	—	—	—	100	—
Sayreville (NJ)	—	—	—	—	33	349.2	21.63	.26	1,413	245.7	2.53	—	12	88
Gilbert (NJ)	—	—	—	—	50	305.6	19.60	.93	2,364	257.6	2.66	—	12	88
Kansas City City of	1,453	127.2	23.37	.62	10	457.1	26.49	.00	637	248.2	2.50	97	*	2
Kaw (KS)	138	127.4	26.41	.38	*	481.9	27.93	.00	213	240.3	2.42	93	*	7
Quindaro (KS)	355	186.6	41.43	1.49	*	446.8	25.90	.00	423	252.3	2.54	95	*	5
Nearman (KS)	360	97.8	16.26	.34	10	457.0	26.49	.00	—	—	—	100	*	—
Kansas City Power & Light Co	8,361	91.5	16.24	.49	45	445.7	25.90	.17	249	253.1	2.51	100	*	*
La Cygne (KS)	3,306	92.7	16.75	.75	23	461.8	26.82	.15	—	—	—	100	*	—
Hawthorne (MO)	1,259	94.4	16.72	.20	—	—	—	—	249	253.1	2.51	99	—	1
Montrose (MO)	1,431	97.0	16.80	.34	9	434.7	25.22	.18	—	—	—	100	*	—
Jatara (MO)	2,365	85.0	14.93	.38	13	424.7	24.72	.20	—	—	—	100	*	—
Kansas Gas & Electric Co	—	—	—	—	—	—	—	—	6,160	196.5	1.88	—	—	100
Evans (KS)	—	—	—	—	—	—	—	—	2,594	185.6	1.76	—	—	100
Gill (KS)	—	—	—	—	—	—	—	—	3,566	204.5	1.96	—	—	100
Kansas Power & Light Co	7,349	130.0	22.90	.34	17	394.0	23.33	.13	790	217.4	2.15	99	*	1
Hutchinson (KS)	—	—	—	—	—	—	—	—	249	236.8	2.35	—	—	100
Lawrence (KS)	1,122	122.8	25.97	.43	—	—	—	—	336	210.4	2.08	99	—	1
Tecumseh (KS)	409	122.5	25.93	.42	—	—	—	—	205	205.3	2.04	98	—	2
Jeffrey Energy Cnt (KS)	5,818	132.4	22.09	.32	17	394.0	23.33	.13	—	—	—	100	*	—
Kentucky Power Co	2,517	117.3	28.25	1.04	20	439.0	25.65	.00	—	—	—	100	*	—
Big Sandy (KY)	2,517	117.3	28.25	1.04	20	439.0	25.65	.00	—	—	—	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, 1992 (Continued)

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Coal	Petroleum	Gas
Kentucky Utilities Co	5,932	116.3	27.94	1.49	40	525.6	30.91	0.40	--	--	--	100	*	--
Brown (KY)	1,002	112.6	27.36	1.98	12	523.5	30.78	.40	--	--	--	100	*	--
Ghent (KY)	4,595	117.6	28.20	1.34	25	525.0	30.87	.40	--	--	--	100	*	--
Green River (KY)	304	109.0	25.91	2.33	2	542.1	31.88	.40	--	--	--	100	*	--
Tyrone (KY)	31	115.1	28.03	.92	2	533.9	31.39	.40	--	--	--	99	1	--
Lafayette City of	--	--	--	--	--	--	--	--	3,881	185.9	1.94	--	--	100
Bonin (LA)	--	--	--	--	--	--	--	--	3,881	185.9	1.94	--	--	100
Lake Worth City of	--	--	--	--	5	501.0	29.40	.14	1,827	265.9	2.73	--	1	99
Tom G Smith (FL)	--	--	--	--	5	501.0	29.40	.14	1,827	265.9	2.73	--	1	99
Lakeland City of	818	165.0	42.90	1.04	131	304.2	18.79	1.75	5,965	216.7	2.22	75	3	22
Larsen Mem (FL)	--	--	--	--	38	356.3	21.69	1.13	883	248.7	2.56	--	20	80
Plant 3-Mcintosh (FL)	818	165.0	42.90	1.04	93	283.4	17.61	2.00	5,082	211.1	2.17	79	2	19
Lansing City of	889	184.2	47.60	.86	9	445.5	25.82	.26	--	--	--	100	*	--
Eckert (MI)	463	190.2	49.10	.87	8	448.3	25.98	.26	--	--	--	100	*	--
Erickson (MI)	426	177.6	45.98	.85	1	428.3	24.83	.29	--	--	--	100	*	--
Long Island Lighting Co	--	--	--	--	10,542	281.0	17.93	.90	32,681	218.3	2.25	--	67	33
Barrett (NY)	--	--	--	--	149	318.8	20.00	.36	22,262	218.3	2.26	--	4	96
Far Rockaway (NY)	--	--	--	--	39	311.3	19.59	.29	3,422	213.0	2.19	--	7	93
Glenwood (NY)	--	--	--	--	--	--	--	--	6,997	220.9	2.25	--	--	100
Northport (NY)	--	--	--	--	8,151	279.1	17.80	.90	--	--	--	100	--	--
Port Jefferson (NY)	--	--	--	--	2,203	285.1	18.23	.97	--	--	--	100	--	--
Los Angeles City of	4,278	149.3	35.39	.45	--	--	--	--	53,593	304.4	3.16	65	--	35
Haynes (CA)	--	--	--	--	--	--	--	--	33,572	303.7	3.16	--	--	100
Scattergood (CA)	--	--	--	--	--	--	--	--	18,849	306.8	3.18	--	--	100
Valley (CA)	--	--	--	--	--	--	--	--	1,172	287.6	2.97	--	--	100
Intermountain (UT)	4,278	149.3	35.39	.45	--	--	--	--	--	--	--	100	--	--
Louisiana Power & Light Co	--	--	--	--	25	329.8	20.41	.84	111,426	174.1	1.82	--	*	100
Little Gypsy (LA)	--	--	--	--	3	488.7	28.92	.25	29,219	178.6	1.86	--	*	100
Nine Mile (LA)	--	--	--	--	5	490.7	30.13	.02	55,530	165.8	1.73	--	*	100
Sterlington (LA)	--	--	--	--	2	501.6	28.83	.25	1,192	194.9	2.03	--	1	99
Waterford (LA)	--	--	--	--	14	220.0	13.91	1.00	25,485	185.9	1.94	--	*	100
Louisville Gas & Electric Co	5,480	108.7	25.00	2.92	60	508.6	29.91	.19	188	264.3	2.71	100	*	*
Cane Run (KY)	809	109.1	25.18	2.94	1	480.3	28.24	.18	100	259.3	2.66	99	*	1
Mill Creek (KY)	3,353	111.4	25.70	2.86	50	508.7	29.91	.20	88	269.9	2.77	100	*	*
Trimble County (KY)	1,317	101.6	23.10	3.06	9	510.5	30.02	.14	--	--	--	100	*	--
Lower Colorado River Authority ..	5,227	135.2	23.25	.41	38	341.2	20.21	.00	20,854	185.6	1.91	81	*	19
Gideon (TX)	--	--	--	--	26	304.9	18.06	.00	9,618	188.3	1.94	--	2	98
T C Ferguson (TX)	--	--	--	--	--	--	--	--	11,236	183.4	1.88	--	--	100
S Seymour-Fayette (TX)	5,227	135.2	23.25	.41	12	419.7	24.86	.00	--	--	--	100	*	--
Lubbock City of	--	--	--	--	--	--	--	--	5,480	226.7	2.33	--	--	100
Holly Ave (TX)	--	--	--	--	--	--	--	--	5,480	226.7	2.33	--	--	100
Madison Gas & Electric Co	18	165.7	39.26	2.08	--	--	--	--	1,412	207.9	2.09	24	--	76
Blount (WI)	18	165.7	39.26	2.08	--	--	--	--	1,412	207.9	2.09	24	--	76
Manitowoc Public Utilities	138	174.4	45.69	.85	--	--	--	--	--	--	--	100	--	--
Manitowoc (WI)	138	174.4	45.69	.85	--	--	--	--	--	--	--	100	--	--
Marquette City of	134	178.1	32.98	.42	--	--	--	--	--	--	--	100	--	--
Shiras (MI)	134	178.1	32.98	.42	--	--	--	--	--	--	--	100	--	--
Massachusetts Mun Wholes El Co	--	--	--	--	--	--	--	--	2,993	232.5	2.38	--	--	100
Stonybrook (MA)	--	--	--	--	--	--	--	--	2,993	232.5	2.38	--	--	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co al	Pe- tr- o- le- um	Gas
Medina Electric Coop Inc	--	--	--	--	--	--	--	--	86	214.1	2.29	--	--	100
Pearsall (TX)	--	--	--	--	--	--	--	--	86	214.1	2.29	--	--	100
Metropolitan Edison Co	1,110	143.8	38.04	1.62	34	442.4	25.80	0.25	--	--	--	99	1	--
Portland (PA)	723	140.6	37.08	1.70	17	439.4	25.41	.29	--	--	--	99	1	--
Titus (PA)	387	149.6	39.82	1.47	17	445.5	25.79	.21	--	--	--	99	1	--
Michigan South Central Pwr Agy	40	223.3	53.60	3.35	--	--	--	--	--	--	--	100	--	--
Project I (MI)	40	223.3	53.60	3.35	--	--	--	--	--	--	--	100	--	--
Midwest Power	7,978	86.4	14.80	.37	28	403.3	23.16	.29	289	405.2	4.04	100	*	*
Council Bluffs (IA)	2,859	89.0	14.72	.37	18	397.1	22.68	.46	56	306.7	3.03	100	*	*
George Neal 1-4 (IA)	5,119	85.0	14.85	.37	10	413.9	23.99	.00	233	428.5	4.29	100	*	*
Minnesota Power & Light Co	3,264	118.7	21.30	.53	19	463.4	26.77	.25	--	--	--	100	*	--
Aurora-Syl Laskin (MN)	65	92.1	16.31	.65	2	492.4	28.33	.20	--	--	--	99	1	--
Boswell (MN)	3,199	119.3	21.40	.53	17	460.4	26.60	.25	--	--	--	100	*	--
Minnkota Power Coop Inc	4,184	48.9	6.69	.86	19	472.2	27.77	.40	--	--	--	100	*	--
Young (ND)	4,184	48.9	6.69	.86	19	472.2	27.77	.40	--	--	--	100	*	--
Mississippi Power & Light Co	--	--	--	--	588	192.7	12.39	2.87	31,721	179.3	1.85	--	10	90
Wilson (MS)	--	--	--	--	64	201.4	12.75	2.63	19,779	170.9	1.76	--	2	98
Delta (MS)	--	--	--	--	--	--	--	--	1,365	177.0	1.84	--	--	100
Natchez (MS)	--	--	--	--	1	486.8	27.95	.30	--	--	--	--	100	--
Brown (MS)	--	--	--	--	--	478.7	27.49	.30	5,719	201.4	2.06	--	*	100
Gerald Andrus (MS)	--	--	--	--	523	191.3	12.32	2.90	4,859	188.3	1.96	--	40	60
Mississippi Power Co	2,451	145.7	36.58	1.90	12	438.1	25.48	.00	864	200.1	2.02	98	*	1
Eaton (MS)	--	--	--	--	--	--	--	--	118	190.7	1.92	--	--	100
Sweatt (MS)	--	--	--	--	--	--	--	--	163	216.1	2.18	--	--	100
Watson (MS)	1,487	132.4	33.53	2.70	--	--	--	--	583	197.5	2.00	98	--	2
Daniel (MS)	964	166.9	41.29	.66	12	438.1	25.48	.00	--	--	--	100	*	--
Missouri Public Service Comm	985	133.7	29.68	2.63	--	--	--	--	--	--	--	100	--	--
Sibley (MO)	985	133.7	29.68	2.63	--	--	--	--	--	--	--	100	--	--
Monongahela Power Co	11,586	127.9	32.72	2.80	100	502.5	29.76	.25	219	352.5	3.53	100	*	*
Albright (WV)	502	100.8	24.89	1.54	8	486.1	28.78	.30	--	--	--	100	*	--
Ft Martin (WV)	2,478	145.4	36.98	1.79	31	468.5	27.75	.30	--	--	--	100	*	--
Harrison (WV)	4,619	141.4	37.22	3.05	3	552.7	32.73	.30	219	352.5	3.53	100	*	*
Rivesville (WV)	68	120.8	29.42	.97	3	510.9	30.26	.30	--	--	--	99	1	--
Willow Island (WV)	261	115.6	28.88	1.62	3	519.3	30.75	.30	--	--	--	100	*	--
Pleasants (WV)	3,657	102.4	25.57	3.45	53	521.3	30.87	.20	--	--	--	100	*	--
Montana Power Co	10,683	70.3	12.11	.66	16	509.1	30.15	.00	111	340.0	4.12	100	*	*
Corette (MT)	749	69.1	12.13	.63	--	--	--	--	111	340.0	4.12	99	--	1
Colstrip (MT)	9,934	70.4	12.10	.66	16	509.1	30.15	.00	--	--	--	100	*	--
Montana-Dakota Utilities Co	2,674	80.4	11.13	.99	14	470.0	26.95	.30	7	375.7	4.24	100	*	*
Heskett (ND)	345	105.3	14.76	.82	--	--	--	--	--	403.3	4.18	100	--	*
Lewis and Clark (MT)	177	107.8	14.10	.51	--	--	--	--	7	375.2	4.24	100	--	*
Coyote (ND)	2,151	74.3	10.30	1.06	14	470.0	26.95	.30	--	--	--	100	*	--
Montaup Electric Co	413	176.4	45.58	1.03	139	299.8	18.59	.78	--	--	--	93	7	--
Somerset (MA)	413	176.4	45.58	1.03	139	299.8	18.59	.78	--	--	--	93	7	--
Morgan City City of	--	--	--	--	--	--	--	--	864	206.5	2.16	--	--	100
Morgan City (LA)	--	--	--	--	--	--	--	--	864	206.5	2.16	--	--	100
Muscatine City of	559	220.0	48.29	3.06	4	455.0	26.47	.30	9	288.4	2.89	100	*	*
Muscatine (IA)	559	220.0	48.29	3.06	4	455.0	26.47	.30	9	288.4	2.89	100	*	*
Nebraska Public Power District	3,814	83.1	14.58	.37	1	429.3	24.91	.00	600	239.8	2.28	99	*	1
Sheldon (NE)	558	78.1	13.71	.38	--	--	--	--	63	211.5	2.06	99	--	1
Gerald Gentleman (NE)	3,256	83.9	14.73	.37	1	429.3	24.91	.00	538	243.2	2.31	99	*	1

See footnotes at end of table.

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

**Table 31. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels
by Electric Utility and Plant, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	C o a l	P e t r o l e u m	G a s
Nevada Power Co	1,372	185.1	44.64	0.50	25	393.6	24.80	0.35	2,127	264.8	2.72	93	*	6
Clark (NV)	---	---	---	---	---	---	---	---	1,326	272.9	2.80	---	---	100
Gardner (NV)	1,372	185.1	44.64	.50	8	464.1	27.13	.19	---	---	---	100	*	---
Sunrise (NV)	---	---	---	---	17	365.6	23.76	.42	801	251.3	2.58	---	12	88
New England Power Co	3,418	167.8	43.87	1.17	5,151	306.5	19.53	2.04	3,137	356.9	3.68	71	26	3
Brayton (MA)	2,547	168.3	43.94	1.09	2,660	278.5	17.70	2.06	2,679	381.3	3.94	77	20	3
Salem Harbor (MA)	871	166.3	43.70	1.41	2,360	342.7	21.89	2.06	---	---	---	60	40	---
Manchester St (RI)	---	---	---	---	131	218.5	13.99	.99	458	213.4	2.20	---	64	36
New Orleans Public Service Inc ..	---	---	---	---	4	241.9	15.07	1.22	23,418	190.6	1.99	---	*	100
Paterson (LA)	---	---	---	---	1	476.0	27.47	.27	---	---	---	---	100	---
Michoud (LA)	---	---	---	---	3	196.0	12.41	1.43	23,418	190.6	1.99	---	*	100
New York State Elec & Gas Corp	4,359	139.5	35.56	1.77	19	565.7	32.55	.14	---	---	---	100	*	---
Goudy (NY)	337	138.4	36.30	1.83	3	562.3	32.35	.14	---	---	---	100	*	---
Greenidge (NY)	510	137.6	35.24	2.04	6	533.9	30.72	.14	---	---	---	100	*	---
Hickling (NY)	327	130.1	27.90	1.31	---	---	---	---	---	---	---	100	---	---
Jennison (NY)	250	148.6	31.96	1.14	---	---	---	---	---	---	---	100	---	---
Milliken (NY)	855	139.7	36.18	1.94	2	519.9	29.92	.14	---	---	---	100	*	---
Kintigh (NY)	2,080	140.4	36.90	1.77	9	603.5	34.72	.14	---	---	---	100	*	---
Niagara Mohawk Power Corp	3,540	142.6	37.58	1.87	4,338	251.1	15.96	1.19	16,637	217.3	2.22	68	20	12
Albany (NY)	---	---	---	---	435	235.6	15.09	1.44	15,646	214.5	2.19	---	15	85
Huntley (NY)	2,009	147.6	38.91	1.72	21	477.2	27.84	.35	---	---	---	100	*	---
Dunkirk (NY)	1,531	136.0	35.84	2.06	14	465.1	27.09	.46	---	---	---	100	*	---
Oswego (NY)	---	---	---	---	3,868	251.1	15.95	1.17	991	261.5	2.70	---	96	4
Northern Indiana Pub Serv Co	7,059	143.8	31.64	1.83	---	---	---	---	7,057	247.3	2.47	96	---	4
Bailly (IN)	1,415	134.4	29.84	2.86	---	---	---	---	105	291.2	2.91	100	---	*
Mitchell (IN)	1,079	123.5	24.63	.44	---	---	---	---	2,978	238.9	2.39	88	---	12
Michigan City (IN)	1,022	135.9	30.54	2.41	---	---	---	---	2,813	249.2	2.49	89	---	11
Rollin Schaffer (IN)	3,543	155.2	34.81	1.67	---	---	---	---	1,161	260.6	2.61	99	---	1
Northern States Power Co	11,687	118.1	20.72	.42	15	434.7	25.49	.40	556	240.4	2.47	100	*	*
Black Dog (MN)	725	114.3	20.20	.28	---	---	---	---	269	221.9	2.26	98	---	2
High Bridge (MN)	468	112.7	19.79	.22	---	---	---	---	219	254.3	2.66	97	---	3
King (MN)	1,567	113.3	20.00	.33	---	---	---	---	---	---	---	100	---	---
Riverside (MN)	829	114.3	20.06	.22	---	---	---	---	29	246.6	2.51	100	---	*
Pathfinder (SD)	---	---	---	---	---	---	---	---	39	282.7	2.88	---	---	100
Sherburne County (MN)	8,098	120.0	21.03	.48	15	434.7	25.49	.40	---	---	---	100	*	---
Ohio Edison Co	7,762	126.2	30.85	2.06	35	453.0	26.17	.27	218	297.0	3.17	100	*	*
Edgewater (OH)	166	136.0	32.55	1.55	4	463.4	26.79	.23	---	---	---	99	1	---
Niles (OH)	517	109.2	26.21	2.74	1	456.5	26.44	.28	218	297.0	3.17	98	*	2
Burger (OH)	1,208	109.2	26.01	3.24	4	469.9	27.18	.36	---	---	---	100	*	---
Sammis (OH)	5,531	132.3	32.65	1.67	25	448.3	25.89	.26	---	---	---	100	*	---
Toronto (OH)	340	104.8	25.01	3.44	1	450.3	26.01	.19	---	---	---	100	*	---
Ohio Power Co	13,195	158.9	37.06	3.34	125	471.0	27.16	.00	---	---	---	100	*	---
Muskingum (OH)	3,238	166.3	38.25	4.17	50	473.8	27.08	.00	---	---	---	100	*	---
Tidd (OH)	66	133.5	32.54	2.94	---	---	---	---	---	---	---	100	---	---
Kammer (WV)	1,912	118.3	28.98	4.07	5	484.6	28.26	.00	---	---	---	100	*	---
Mitchell (WV)	1,999	166.3	40.55	1.45	47	463.5	27.03	.00	---	---	---	99	1	---
Gavin (OH)	5,979	166.4	37.87	3.30	23	477.1	27.36	.00	---	---	---	100	*	---
Ohio Valley Electric Corp	3,464	122.0	29.39	3.73	5	576.8	33.49	.38	---	---	---	100	*	---
Kyger Creek (CH)	3,464	122.0	29.39	3.73	5	576.8	33.49	.38	---	---	---	100	*	---
Oklahoma Gas & Electric Co	8,791	114.8	20.14	.39	10	414.0	24.19	.34	64,194	341.3	3.54	70	*	30
Horseshoe Lake (OK)	---	---	---	---	---	---	---	---	18,993	340.7	3.53	---	---	100
Muskogee (OK)	5,127	116.7	20.51	.38	---	---	---	---	3,099	354.0	3.67	97	---	3
Mustang (OK)	---	---	---	---	---	---	---	---	10,486	346.8	3.60	---	---	100
Seminole (OK)	---	---	---	---	---	---	---	---	31,617	338.5	3.51	---	---	100
Sooner (OK)	3,664	112.2	19.63	.42	10	414.0	24.19	.34	---	---	---	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁴ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁴ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁴ Btu)	(\$ per Mcf)	Co al	Pe tr o- le- um	Gas
Omaha Public Power District	3,328	62.7	10.37	0.37	7	470.4	27.17	0.20	206	285.5	2.81	100	*	*
North Omaha (NE)	1,592	63.3	10.51	.37	--	--	--	--	206	285.5	2.81	99	--	1
Nebraska City (NE)	1,736	62.1	10.24	.37	7	470.4	27.17	.20	--	--	--	100	*	--
Orange & Rockland Utils Inc	657	205.4	53.45	.55	2,219	268.7	16.86	.33	24,024	272.1	2.81	31	25	44
Bowline (NY)	--	--	--	--	2,219	268.7	16.86	.33	21,815	272.1	2.81	--	38	62
Lovett (NY)	657	205.4	53.45	.55	--	--	--	--	2,209	272.5	2.81	88	--	12
Orlando Utilities Comm	1,024	190.1	48.51	.73	984	227.8	14.47	1.08	13,151	221.0	2.27	57	14	29
Stanton Energy (FL)	1,024	190.1	48.51	.73	9	374.9	22.69	.58	--	--	--	100	*	--
Indian River (FL)	--	--	--	--	975	226.5	14.39	1.09	13,151	221.0	2.27	--	31	69
Orrville City of	180	100.2	23.79	3.50	--	--	--	--	--	--	--	100	--	--
Orrville (OH)	180	100.2	23.79	3.50	--	--	--	--	--	--	--	100	--	--
Otter Tail Power Co	2,253	114.5	14.23	.88	3	455.3	26.77	.31	--	--	--	100	*	--
Hoot Lake (MN)	123	127.6	23.83	.32	3	455.3	26.77	.31	--	--	--	99	1	--
Big Stone (SD)	2,130	113.3	13.68	.92	--	--	--	--	--	--	--	100	--	--
Owensboro City of	1,132	107.9	24.34	2.86	4	441.7	25.60	.38	--	--	--	100	*	--
Smith (KY)	1,132	107.9	24.34	2.88	4	441.7	25.60	.38	--	--	--	100	*	--
Pacific Gas & Electric Co	--	--	--	--	--	--	--	--	266,457	252.8	2.59	--	--	100
Contra Costa (CA)	--	--	--	--	--	--	--	--	33,159	258.0	2.65	--	--	100
Humboldt Bay (CA)	--	--	--	--	--	--	--	--	2,002	250.4	2.57	--	--	100
Hunters Point (CA)	--	--	--	--	--	--	--	--	16,133	248.0	2.52	--	--	100
Morro Bay (CA)	--	--	--	--	--	--	--	--	31,760	251.7	2.58	--	--	100
Moss Landing (CA)	--	--	--	--	--	--	--	--	87,455	247.7	2.54	--	--	100
Pittsburg (CA)	--	--	--	--	--	--	--	--	85,121	256.7	2.63	--	--	100
Potrero (CA)	--	--	--	--	--	--	--	--	10,825	257.7	2.62	--	--	100
PacifiCorp	30,124	93.8	17.69	.57	111	471.0	27.70	.30	4,967	176.8	1.90	99	*	1
Carbon (UT)	593	79.1	18.95	.44	--	--	--	--	--	--	--	100	--	--
Gadsby (UT)	--	--	--	--	--	--	--	--	4,884	174.5	1.87	--	--	100
Centralia (WA)	5,812	137.0	22.41	.66	14	460.7	27.09	.30	--	--	--	100	*	--
Johnston (WY)	4,204	58.2	9.29	.43	14	484.7	28.50	.30	--	--	--	100	*	--
Naughton (WY)	2,385	121.6	23.88	.70	6	506.9	29.81	.30	83	320.1	3.33	100	*	*
Wyodak (WY)	1,970	63.8	10.12	.66	5	549.6	32.32	.30	--	--	--	100	*	--
Emery-Hunter (UT)	3,676	94.2	20.86	.50	20	481.7	28.32	.30	--	--	--	100	*	--
Jim Bridger (WY)	8,708	88.1	17.08	.61	43	447.0	26.28	.30	--	--	--	100	*	--
Huntington (UT)	2,776	78.7	17.96	.45	9	489.5	28.78	.30	--	--	--	100	*	--
Painesville City of	70	135.1	33.48	2.57	--	--	--	--	50	302.1	3.02	97	--	3
Painesville (OH)	70	135.1	33.48	2.57	--	--	--	--	50	302.1	3.02	97	--	3
Pasadena City of	--	--	--	--	--	--	--	--	3,542	328.9	3.39	--	--	100
Broadway (CA)	--	--	--	--	--	--	--	--	3,542	328.9	3.39	--	--	100
Pennsylvania Electric Co	16,890	131.0	32.02	1.87	174	440.1	25.66	.05	86	302.2	3.11	100	*	*
Conemaugh (PA)	4,815	118.9	29.74	2.20	34	448.7	26.16	.05	86	302.2	3.11	100	*	*
Homer City (PA)	5,070	149.4	35.26	1.73	49	438.8	25.58	.05	--	--	--	100	*	--
Seward (PA)	572	113.2	27.75	1.54	13	443.9	25.88	.05	--	--	--	99	1	--
Shawville (PA)	1,417	108.5	26.63	1.97	38	440.0	25.65	.05	--	--	--	99	1	--
Warren (PA)	217	116.7	28.53	1.77	3	394.1	22.97	.05	--	--	--	100	*	--
Keystone (PA)	4,799	134.0	33.15	1.68	37	436.4	25.44	.05	--	--	--	100	*	--
Pennsylvania Power & Light Co ..	8,478	175.5	43.48	1.81	2,365	244.6	15.54	.78	--	--	--	93	7	--
Brunner Island (PA)	3,471	186.9	47.53	1.83	42	427.1	24.92	.11	--	--	--	100	*	--
Holtwood (PA)	193	116.2	20.39	.60	--	--	--	--	--	--	--	100	--	--
Martins Creek (PA)	603	186.5	48.32	1.91	--	--	--	--	--	--	--	100	--	--
Montour (PA)	3,255	176.4	44.32	1.92	66	429.5	25.09	.11	--	--	--	100	*	--
Sunbury (PA)	956	125.7	27.53	1.57	4	441.2	25.74	.11	--	--	--	100	*	--
Storage Facility #1	--	--	--	--	2,253	236.2	15.06	.81	--	--	--	--	100	--
Pennsylvania Power Co	5,642	163.2	39.67	3.55	99	430.6	24.80	.27	--	--	--	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, 1992 (Continued)

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	C o a l	P e t r o l e u m	G a s
Pennsylvania Power Co														
New Castle (PA)	762	127.3	31.17	1.46	2	468.7	27.07	0.25	--	--	--	100	*	--
Bruce Mansfield (PA)	4,880	168.8	40.99	3.88	97	429.9	24.75	.27	--	--	--	100	*	--
Philadelphia Electric Co	1,090	155.9	41.11	1.88	919	299.5	19.02	.33	1,641	296.7	3.06	79	16	5
Cromby (PA)	288	154.2	41.03	1.72	39	365.3	22.07	.29	1,641	296.7	3.06	80	2	18
Delaware (PA)	--	--	--	--	249	320.7	20.33	.35	--	--	--	--	100	--
Eddystone (PA)	802	156.5	41.14	1.94	500	289.0	18.46	.32	--	--	--	87	13	--
Schuylkill (PA)	--	--	--	--	131	281.1	17.75	.32	--	--	--	--	100	--
Plains Elec Gen&Trans Coop Inc	889	137.5	24.96	.65	--	--	--	--	34	334.5	2.87	100	--	*
Escalante (NM)	889	137.5	24.96	.65	--	--	--	--	34	334.5	2.87	100	--	*
Platte River Power Authority	1,009	74.6	13.17	.32	--	--	--	--	--	--	--	100	--	--
Rawhide (CO)	1,009	74.6	13.17	.32	--	--	--	--	--	--	--	100	--	--
Portland General Electric Co	1,932	110.1	21.23	.40	19	449.2	26.44	.32	14,684	193.7	1.96	71	*	28
Boardman (OR)	1,932	110.1	21.23	.40	19	449.2	26.44	.32	--	--	--	100	*	--
Beaver (OR)	--	--	--	--	--	--	--	--	14,684	193.7	1.96	--	--	100
Potomac Edison Co	154	134.0	33.61	.92	4	441.5	26.14	.30	--	--	--	99	1	--
Smith (MD)	154	134.0	33.61	.92	4	441.5	26.14	.30	--	--	--	99	1	--
Potomac Electric Power Co	5,775	166.4	42.16	1.59	3,783	241.7	15.22	1.35	5,243	234.5	2.46	83	14	3
Benning (DC)	--	--	--	--	231	350.4	21.03	.82	--	--	--	--	100	--
Chalk (MD)	1,615	172.8	43.33	1.83	3,014	238.5	15.10	1.34	5,052	236.4	2.48	62	29	8
Dickerson (MD)	1,212	143.2	36.52	1.43	28	445.5	25.86	.20	191	183.1	1.89	99	1	1
Morgantown (MD)	2,165	171.4	43.34	1.77	463	181.2	11.42	1.85	--	--	--	95	5	--
Potomac River (VA)	784	175.2	45.25	.81	47	434.0	25.10	.20	--	--	--	99	1	--
Power Authority of State of NY ..	--	--	--	--	905	269.8	16.84	.28	19,213	317.1	3.27	--	22	78
Poletti (NY)	--	--	--	--	905	269.8	16.84	.28	19,213	317.1	3.27	--	22	78
PSI Energy Inc	13,834	144.2	31.95	2.02	141	445.4	25.63	.30	--	--	--	100	*	--
Cayuga (IN)	2,863	123.9	27.12	2.01	14	453.2	26.07	.30	--	--	--	100	*	--
Edwardsport (IN)	71	96.4	21.59	2.45	2	484.8	27.90	.30	--	--	--	99	1	--
Noblesville (IN)	29	145.1	32.06	2.37	4	422.7	24.32	.30	--	--	--	97	3	--
Gallagher (IN)	1,144	137.2	30.84	2.04	32	452.8	26.05	.30	--	--	--	99	1	--
Wabash River (IN)	1,430	117.2	25.87	2.00	34	443.9	25.54	.30	--	--	--	99	1	--
Gibson Station (IN)	8,297	157.2	34.91	2.01	55	440.3	25.34	.30	--	--	--	100	*	--
Public Service Co of Colorado	8,640	105.2	20.64	.39	14	438.2	25.14	.23	1,370	212.9	2.12	99	*	1
Araphoe (CO)	462	113.8	25.55	.47	--	--	--	--	71	211.0	2.07	99	--	1
Cameo (CO)	246	90.2	20.41	.59	--	--	--	--	80	326.8	3.39	99	--	1
Cherokee (CO)	1,935	108.2	24.02	.42	--	--	--	--	765	195.2	1.92	98	--	2
Comanche (CO)	2,064	112.7	19.21	.30	11	436.0	25.05	.26	26	209.1	2.07	100	*	*
Valmont (CO)	570	107.9	24.22	.50	--	--	--	--	78	248.5	2.46	99	--	1
Zuni (CO)	--	--	--	--	--	--	--	--	232	197.2	1.94	--	--	100
Hayden (CO)	1,501	91.9	19.55	.40	2	449.4	25.61	.10	23	218.4	2.40	100	*	*
Pawnee (CO)	1,863	104.8	17.32	.36	--	--	--	--	93	259.8	2.82	100	--	*
Public Service Co of NH	1,226	168.5	44.69	1.61	2,605	185.8	12.23	1.72	916	205.9	2.10	64	34	2
Merrimack (NH)	1,003	168.1	44.77	1.80	2	451.5	26.45	.26	--	--	--	100	*	--
Schiller (NH)	223	170.3	44.31	.73	--	--	--	--	--	--	--	100	--	--
Newington Station (NH)	--	--	--	--	2,602	185.6	12.22	1.72	916	205.9	2.10	--	95	5
Public Service Co of NM	5,105	173.4	32.46	.87	74	515.5	29.38	.90	305	199.1	2.05	99	*	*
Reeves (NM)	--	--	--	--	--	--	--	--	305	199.1	2.05	--	--	100
San Juan (NM)	5,105	173.4	32.46	.87	74	515.5	29.38	.90	--	--	--	100	--	--
Public Service Co of Oklahoma ...	3,030	161.1	28.24	.45	100	439.7	25.56	.31	67,103	303.1	3.15	43	*	57
Northeastern (OK)	3,030	161.1	28.24	.45	--	--	--	--	23,644	301.4	3.09	69	--	31
Southwestern (OK)	--	--	--	--	--	--	--	--	7,979	294.7	3.14	--	--	100
Riverside (OK)	--	--	--	--	100	439.7	25.56	.31	23,546	309.6	3.17	--	2	98
Comanche (CS) (OK)	--	--	--	--	--	--	--	--	11,934	299.6	3.26	--	--	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co al	Pe- tro- le- um	Gas
Public Service Electric&Gas Co ...	1,410	176.0	48.38	0.82	1,178	320.2	20.00	0.30	27,123	205.8	2.13	52	10	38
Bergen (NJ)	--	--	--	--	--	--	--	--	7,031	204.5	2.12	--	--	100
Burlington (NJ)	--	--	--	--	42	307.3	19.41	.49	--	--	--	--	100	--
Hudson (NJ)	569	176.5	46.28	.82	49	342.0	21.38	.29	11,633	209.7	2.17	55	1	44
Kearny (NJ)	--	--	--	--	83	312.4	19.49	.29	--	--	--	--	100	--
Linden (NJ)	--	--	--	--	1,005	320.4	20.00	.29	--	--	--	--	100	--
Mercer (NJ)	841	175.7	49.80	.82	--	--	--	--	4,440	210.4	2.18	84	--	16
Sewaren (NJ)	--	--	--	--	--	--	--	--	4,018	191.5	1.98	--	--	100
Richmond City of	293	148.7	33.99	2.02	--	--	--	--	--	--	--	100	--	--
Whitewater (IN)	293	148.7	33.99	2.02	--	--	--	--	--	--	--	100	--	--
Rochester Gas & Electric Corp ...	841	145.6	38.73	2.10	--	--	--	--	--	--	--	100	--	--
Rochester 3 (NY)	202	148.7	39.49	2.04	--	--	--	--	--	--	--	100	--	--
Rochester 7 (NY)	639	144.7	38.49	2.13	--	--	--	--	--	--	--	100	--	--
Rochester Public Utilities	80	156.3	37.16	1.82	--	--	--	--	567	181.4	1.84	77	--	23
Silver Lake (MN)	80	156.3	37.16	1.82	--	--	--	--	567	181.4	1.84	77	--	23
Ruston City of	--	--	--	--	--	--	--	--	1,796	191.7	2.03	--	--	100
Steam Plant (LA)	--	--	--	--	--	--	--	--	1,796	191.7	2.03	--	--	100
Salt River Proj Ag I & P Dist	9,687	125.2	27.01	.50	64	486.1	29.06	.53	4,166	290.7	3.00	98	*	2
Agua Fria (AZ)	--	--	--	--	--	--	--	--	2,229	282.5	2.91	--	--	100
Kyrene (AZ)	--	--	--	--	--	--	--	--	160	533.9	5.48	--	--	100
Navajo (AZ)	7,441	104.8	23.14	.52	64	486.1	29.06	.53	--	--	--	100	*	--
Coronado (AZ)	2,246	200.9	39.83	.45	--	--	--	--	--	--	--	100	--	--
Santan (AZ)	--	--	--	--	--	--	--	--	1,778	279.1	2.88	--	--	100
San Antonio City of	3,543	127.9	21.72	.33	--	--	--	--	28,975	194.5	1.98	67	--	33
Sommers (TX)	--	--	--	--	--	--	--	--	17,468	197.6	2.01	--	--	100
Braunig (TX)	--	--	--	--	--	--	--	--	10,715	189.2	1.93	--	--	100
Tuttle (TX)	--	--	--	--	--	--	--	--	361	190.9	1.97	--	--	100
JT Deely/Spruce (TX)	3,543	127.9	21.72	.33	--	--	--	--	242	233.1	2.38	100	--	*
Spruce (Tx)	--	--	--	--	--	--	--	--	189	165.9	1.69	--	--	100
San Diego Gas & Electric Co	--	--	--	--	--	--	--	--	47,131	290.0	2.99	--	--	100
Encina (CA)	--	--	--	--	--	--	--	--	23,296	289.7	2.99	--	--	100
South Bay (CA)	--	--	--	--	--	--	--	--	23,835	290.2	2.99	--	--	100
San Miguel Electric Coop Inc	2,930	96.6	10.34	1.98	28	380.6	22.08	.66	--	--	--	99	1	--
San Miguel (TX)	2,930	96.6	10.34	1.98	28	380.6	22.08	.66	--	--	--	99	1	--
Savannah Electric & Power Co	156	150.4	37.16	1.17	4	503.2	29.17	.50	813	285.3	2.92	82	*	18
Kraft (GA)	64	147.4	36.46	1.00	--	--	--	--	594	271.1	2.78	72	--	28
Riverside (GA)	--	--	--	--	--	--	--	--	220	323.6	3.31	--	--	100
McIntosh (GA)	92	152.5	37.64	1.29	4	503.2	29.17	.50	--	--	--	99	1	--
Seminole Electric Coop Inc	3,539	194.3	47.16	2.60	39	442.1	26.01	.23	--	--	--	100	*	--
Seminole (FL)	3,539	194.3	47.16	2.60	39	442.1	26.01	.23	--	--	--	100	*	--
Sierra Pacific Power Co	1,545	198.6	41.77	.43	365	325.9	20.27	.72	18,528	168.6	1.73	60	4	35
Fort Churchill (NV)	--	--	--	--	196	320.9	19.89	.75	9,610	166.7	1.71	--	11	89
Tracy (NV)	--	--	--	--	156	320.6	19.99	.75	8,918	170.8	1.75	--	10	90
North Valmy (NV)	1,545	198.6	41.77	.43	13	505.6	29.41	.00	--	--	--	100	*	--
Sikeston City of	587	150.7	35.36	2.49	4	422.7	25.03	.26	--	--	--	100	*	--
Sikeston (MO)	587	150.7	35.36	2.49	4	422.7	25.03	.26	--	--	--	100	*	--
South Carolina Electric&Gas Co ..	4,222	157.7	40.83	1.10	65	464.4	26.92	.20	1,315	169.0	1.73	98	*	1
Canadys (SC)	663	158.9	40.74	1.31	--	--	--	--	170	237.7	2.43	99	--	1
Hagood (SC)	--	--	--	--	3	442.5	25.65	.20	239	196.8	2.01	--	6	94
Mcmeekin (SC)	615	152.7	39.30	1.32	--	--	--	--	496	144.6	1.48	97	--	3
Parr (SC)	--	--	--	--	--	--	--	--	11	256.2	2.62	--	--	100
Urguhart (SC)	500	155.1	40.05	1.26	1	466.8	27.05	.20	399	150.9	1.54	97	*	3

See footnotes 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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Coal	Petroleum	Gas
South Carolina Electric & Gas Co														
Waterloo (SC)	1,403	156.5	40.42	1.06	51	463.2	26.85	0.20	--	--	--	99	1	--
Williams (SC)	1,041	162.7	41.90	.82	10	475.7	27.57	.20	--	--	--	100	*	--
South Carolina Pub Serv Auth	4,545	146.7	37.58	1.20	--	--	--	--	--	--	--	100	--	--
Cross (SC)	1,343	144.7	36.85	1.08	--	--	--	--	--	--	--	100	--	--
Grainger (SC)	99	155.0	40.05	1.85	--	--	--	--	--	--	--	100	--	--
Jefferies (SC)	597	143.5	36.14	1.67	--	--	--	--	--	--	--	100	--	--
Winyah (SC)	2,505	148.2	38.22	1.13	--	--	--	--	--	--	--	100	--	--
South Mississippi El Pwr Assn	757	205.3	50.80	.99	7	449.5	26.19	.30	5,923	178.9	1.81	76	*	24
Moselle (MS)	--	--	--	--	--	--	--	--	5,923	178.9	1.81	--	--	100
R D Morrow (MS)	757	205.3	50.80	.99	7	449.5	26.19	.30	--	--	--	100	*	--
Southern California Edison Co	4,977	118.8	25.99	.51	1	217.9	13.26	.03	188,582	282.2	2.95	36	*	64
Alamitos (CA)	--	--	--	--	--	--	--	--	40,264	288.4	3.00	--	--	100
Cool Water (CA)	--	--	--	--	--	--	--	--	12,208	220.8	2.29	--	--	100
El Segundo (CA)	--	--	--	--	--	--	--	--	19,796	284.3	2.98	--	--	100
Etiwanda (CA)	--	--	--	--	--	--	--	--	16,467	286.3	2.95	--	--	100
Highgrove (CA)	--	--	--	--	--	--	--	--	23	290.4	2.98	--	--	100
Huntington Beach (CA)	--	--	--	--	--	--	--	--	11,584	277.1	2.89	--	--	100
Long Beach (CA)	--	--	--	--	--	--	--	--	3,708	277.1	2.87	--	--	100
Mandalay (CA)	--	--	--	--	--	--	--	--	13,759	282.4	3.02	--	--	100
Ormond Beach (CA)	--	--	--	--	--	--	--	--	30,639	292.6	3.09	--	--	100
Redondo (CA)	--	--	--	--	--	--	--	--	37,898	286.8	3.01	--	--	100
San Bernardino (CA)	--	--	--	--	--	--	--	--	88	276.1	2.83	--	--	100
Mohave (NV)	4,977	118.8	25.99	.51	--	--	--	--	2,149	264.8	2.71	98	--	2
Storage Facility #1	--	--	--	--	1	217.9	13.26	.03	--	--	--	--	100	--
Southern Illinois Power Coop	490	91.1	19.21	2.79	11	468.5	26.70	.00	--	--	--	99	1	--
Marion (IL)	490	91.1	19.21	2.79	11	468.5	26.70	.00	--	--	--	99	1	--
Southern Indiana Gas & Elec Co	2,694	140.6	31.78	2.81	2	494.9	28.89	.39	94	289.7	2.96	100	*	*
Culley (IN)	1,097	134.5	29.89	2.23	2	494.9	28.89	.39	15	289.7	2.96	100	*	*
A B Brown (IN)	1,123	156.8	36.23	3.53	--	--	--	--	64	289.7	2.96	100	--	--
Warrick (IN)	475	115.1	25.63	2.47	--	--	--	--	15	289.8	2.97	100	--	*
Southwestern Electric Power Co	9,460	171.0	26.92	.64	20	397.1	23.35	.04	20,083	265.8	2.69	89	*	11
Arsenal Hill (LA)	--	--	--	--	--	--	--	--	408	173.9	1.86	--	--	100
Lieberman (LA)	--	--	--	--	--	--	--	--	1,471	179.5	1.86	--	--	100
Knox Lee (TX)	--	--	--	--	--	--	--	--	3,418	169.3	1.79	--	--	100
Lone Star (TX)	--	--	--	--	--	--	--	--	1,393	722.5	5.90	--	--	100
Wilkes (TX)	--	--	--	--	--	--	--	--	13,318	297.0	2.70	--	--	100
Flint Creek (AR)	1,663	155.1	25.89	.34	12	415.5	24.43	.07	--	--	--	100	*	--
Welsh Station (TX)	4,980	196.3	32.74	.35	8	369.6	21.73	.00	--	--	--	100	*	--
Pirkey (TX)	2,817	127.6	17.26	1.33	--	--	--	--	75	268.2	2.89	100	--	*
Southwestern Public Service Co	8,268	173.3	30.36	.33	--	--	--	--	48,951	175.3	1.77	75	--	25
Maddox (NM)	--	--	--	--	--	--	--	--	3,853	184.5	1.89	--	--	100
Cunningham (NM)	--	--	--	--	--	--	--	--	10,520	181.3	1.83	--	--	100
Jones (TX)	--	--	--	--	--	--	--	--	18,113	175.4	1.79	--	--	100
Nichols (TX)	--	--	--	--	--	--	--	--	14,142	165.7	1.65	--	--	100
Plant X (TX)	--	--	--	--	--	--	--	--	2,185	188.4	1.91	--	--	100
Harrington (TX)	4,301	156.6	27.44	.32	--	--	--	--	95	199.7	1.98	100	--	*
Tolk (TX)	3,967	191.3	33.52	.34	--	--	--	--	43	222.7	2.25	100	--	*
Springfield City of	748	133.0	30.90	1.96	--	--	--	--	903	150.1	1.52	95	--	5
James River (MO)	271	134.4	31.18	1.74	--	--	--	--	858	147.7	1.49	88	--	12
Southwest (MO)	477	132.1	30.74	2.09	--	--	--	--	45	194.5	1.97	100	--	*
Springfield City of	933	113.1	23.49	3.04	1	365.2	21.17	.20	--	--	--	100	*	--
Dallman (IL)	827	113.1	23.48	3.04	1	365.2	21.17	.20	--	--	--	100	*	--
Lakeside (IL)	106	113.3	23.53	3.03	--	--	--	--	--	--	--	100	--	--
St Joseph Light & Power Co	135	139.2	33.35	3.72	189	145.3	9.43	2.55	199	235.9	2.37	69	26	4
Lakeroad (MO)	135	139.2	33.35	3.72	189	145.3	9.43	2.55	199	235.9	2.37	69	26	4

See footnotes 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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co- al	Pet- ro- le- um	Gas
Sunflower Electric Power Corp ...	1,257	105.3	17.88	0.38	--	--	--	--	87	266.9	2.25	100	--	*
Holcomb (KS)	1,257	105.3	17.88	.38	--	--	--	--	87	266.9	2.25	100	--	*
Tacoma Public Utilities	24	197.5	39.67	.43	1	605.6	35.10	0.50	30	315.5	3.31	99	*	1
Steam No.2 (WA)	24	197.5	39.67	.43	1	605.6	35.10	.50	30	315.5	3.31	99	*	1
Tallahassee City of	--	--	--	--	--	--	--	--	15,900	239.1	2.47	--	--	100
Hopkins (FL)	--	--	--	--	--	--	--	--	13,349	240.9	2.49	--	--	100
Purdum (FL)	--	--	--	--	--	--	--	--	2,552	229.7	2.37	--	--	100
Tampa Electric Co	6,256	188.6	46.42	2.18	668	291.3	18.32	.87	--	--	--	97	3	--
Big Bend (FL)	--	--	--	--	48	440.1	25.75	.20	--	--	--	--	--	100
Gannon (FL)	728	233.8	59.45	1.21	55	434.7	24.88	.18	--	--	--	98	2	--
Hookers Point (FL)	--	--	--	--	565	267.1	17.05	1.00	--	--	--	--	--	100
Davant Transfer (LA)	5,528	182.4	44.70	2.30	--	--	--	--	--	--	--	100	--	--
Taunton City of	--	--	--	--	89	227.9	14.28	2.00	538	258.6	2.66	--	50	50
Cleary (MA)	--	--	--	--	89	227.9	14.28	2.00	538	258.6	2.66	--	50	50
Tennessee Valley Authority	35,717	123.0	29.34	2.32	248	479.5	27.78	.50	--	--	--	100	*	--
Colbert (AL)	2,742	129.6	31.01	1.32	33	515.0	29.46	.50	--	--	--	100	*	--
Widows Creek (AL)	3,643	116.1	27.83	2.58	21	459.3	26.35	.50	--	--	--	100	*	--
Paradise (KY)	6,457	106.5	23.47	3.95	22	453.1	26.44	.50	--	--	--	100	*	--
Shawnee (KY)	2,503	129.4	31.28	1.30	23	468.8	27.04	.50	--	--	--	100	*	--
Allen (TN)	1,501	123.4	29.98	2.14	7	490.8	28.74	.50	--	--	--	100	*	--
Bull Run (TN)	2,005	123.8	32.09	1.07	43	420.7	24.31	.50	--	--	--	100	*	--
Cumberland (TN)	6,930	129.9	30.18	2.77	42	469.3	27.33	.50	--	--	--	100	*	--
Gallatin (TN)	2,215	125.0	30.22	2.54	19	573.8	33.56	.50	--	--	--	100	*	--
Sevier (TN)	1,728	128.5	32.92	1.52	6	411.0	23.95	.50	--	--	--	100	*	--
Johnsonville (TN)	2,326	130.8	31.37	1.75	20	582.7	34.07	.50	--	--	--	100	*	--
Kingston (TN)	3,667	124.8	31.77	1.18	13	440.0	25.46	.50	--	--	--	100	*	--
Terrebonne Parish Consol Govt ..	--	--	--	--	--	--	--	--	1,266	219.3	2.31	--	--	100
Houma (LA)	--	--	--	--	--	--	--	--	1,266	219.3	2.31	--	--	100
Texas Municipal Power Agency ...	3,277	158.5	15.66	1.40	--	--	--	--	254	159.7	1.60	99	--	1
Gibbons Creek (TX)	3,277	158.5	15.66	1.40	--	--	--	--	254	159.7	1.60	99	--	1
Texas-New Mexico Power Co	1,668	153.2	20.62	1.03	--	--	--	--	2,683	155.9	1.62	89	--	11
TNP One (Tx)	1,668	153.2	20.62	1.03	--	--	--	--	2,683	155.9	1.62	89	--	11
Texas Utilities Electric Co	33,468	104.3	13.12	.87	172	393.5	23.07	.50	300,881	269.1	2.78	57	*	42
Dallas (TX)	--	--	--	--	--	--	--	--	55	345.4	3.57	--	--	100
Lake Hubbard (TX)	--	--	--	--	--	--	--	--	28,721	267.7	2.78	--	--	100
Mountain Creek (TX)	--	--	--	--	23	290.7	18.07	.50	22,183	267.1	2.74	--	1	99
North Lake (TX)	--	--	--	--	5	402.8	23.35	.50	13,122	268.9	2.75	--	*	100
Parkdale (TX)	--	--	--	--	--	--	--	--	1,610	264.7	2.67	--	--	100
Eagle Mountain (TX)	--	--	--	--	1	290.7	18.07	.50	5,704	264.4	2.75	--	*	100
Graham (TX)	--	--	--	--	--	--	--	--	21,532	267.6	2.80	--	--	100
Handley (TX)	--	--	--	--	--	--	--	--	18,197	273.9	2.84	--	--	100
Morgan Creek (TX)	--	--	--	--	--	--	--	--	26,673	267.0	2.72	--	--	100
North Main (TX)	--	--	--	--	--	--	--	--	18	303.9	3.15	--	--	100
Permian Basin (TX)	--	--	--	--	--	--	--	--	31,092	272.2	2.77	--	--	100
Big Brown (TX)	5,203	111.4	14.27	.80	--	--	--	--	1,717	265.2	2.79	97	--	3
Collin (TX)	--	--	--	--	3	290.7	18.07	.50	2,335	257.3	2.64	--	1	99
Lake Creek (TX)	--	--	--	--	--	--	--	--	3,287	255.0	2.75	--	--	100
River Crest (TX)	--	--	--	--	--	--	--	--	18	294.2	3.22	--	--	100
Stryker (TX)	--	--	--	--	--	--	--	--	12,932	251.2	2.60	--	--	100
Tradinghouse (TX)	--	--	--	--	--	--	--	--	58,561	271.1	2.81	--	--	100
Trinidad (TX)	--	--	--	--	--	--	--	--	3,758	257.4	2.64	--	--	100
Valley (TX)	--	--	--	--	5	402.8	23.35	.50	24,224	272.6	2.84	--	*	100
Martin Lake (TX)	13,830	95.1	12.57	1.13	65	398.5	23.10	.50	--	--	--	100	*	--
Monticello (TX)	10,971	112.8	13.14	.49	70	430.2	24.93	.50	--	--	--	100	*	--
Sandow No 4 (TX)	3,464	107.0	13.49	1.10	--	--	--	--	--	--	--	100	--	--
Decordova (TX)	--	--	--	--	--	--	--	--	25,142	276.7	2.82	--	--	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, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Coal	Petroleum	Gas
Toledo Edison Co	1,252	201.5	52.08	1.12	6	455.7	26.41	0.31	6	473.0	4.85	100	*	*
Acme (OH)	57	178.0	45.29	.66	--	--	--	--	6	473.0	4.85	94	5	*
Bay Shore (OH)	1,195	202.6	52.41	1.14	6	455.7	26.41	.31	--	--	--	100	*	--
Tri-State G & T Assn Inc	4,733	110.8	22.45	.39	13	523.0	29.46	.12	143	217.6	2.29	100	*	*
Nucla (CO)	240	94.1	15.82	.81	--	--	--	--	--	--	--	99	1	--
Craig (CO)	4,493	111.6	22.81	.37	13	523.0	29.46	.12	143	217.6	2.29	100	*	*
Tucson Electric Power Co	199	234.1	47.11	.45	--	--	--	--	1,746	231.3	2.39	69	--	31
Irvington (AZ)	199	234.1	47.11	.45	--	--	--	--	1,746	231.3	2.39	69	--	31
Union Electric Co	10,627	149.1	31.87	1.57	69	424.9	24.45	.29	373	217.7	2.22	100	*	*
Venice No.2 (IL)	--	--	--	--	--	--	--	--	190	216.1	2.20	--	--	100
Labadie (MO)	5,468	116.0	23.54	1.55	49	418.4	24.08	.29	--	--	--	100	*	--
Meramec (MO)	773	200.1	46.61	1.28	--	--	--	--	183	219.3	2.23	99	--	1
Sioux (MO)	1,845	174.8	39.56	2.39	12	454.7	26.16	.29	--	--	--	100	*	--
Rush Island (MO)	2,541	178.9	39.71	1.12	8	420.2	24.18	.29	--	--	--	100	*	--
United Illuminating Co	793	194.8	51.30	.55	4,029	235.2	15.00	.97	1,643	217.2	2.24	43	53	4
Bridgeport Harbor (CT)	793	194.8	51.30	.55	1,078	237.3	15.10	.93	--	--	--	75	25	--
New Haven Hbr (CT)	--	--	--	--	2,951	234.5	14.96	.98	1,643	217.2	2.24	--	92	8
United Power Assn	1,067	68.5	9.23	.71	1	504.4	29.02	.40	--	--	--	100	*	--
Stanton (ND)	1,067	68.5	9.23	.71	1	504.4	29.02	.40	--	--	--	100	*	--
Vero Beach City of	--	--	--	--	7	508.3	29.46	.00	2,840	269.0	2.76	--	1	99
Vero Beach (FL)	--	--	--	--	7	508.3	29.46	.00	2,840	269.0	2.76	--	1	99
Vineland City of	--	--	--	--	136	269.5	17.03	.87	--	--	--	--	100	--
H M Down (NJ)	--	--	--	--	136	269.5	17.03	.87	--	--	--	--	100	--
Virginia Electric & Power Co	10,516	145.2	36.64	1.42	2,764	245.0	15.34	.96	10,433	237.2	2.48	90	6	4
Bremo Bluff (VA)	463	150.0	37.97	.83	5	520.8	30.63	.20	--	--	--	100	*	--
Chesterfield (VA)	2,968	146.7	37.67	1.13	44	486.2	28.59	.20	9,334	240.9	2.52	88	*	11
Chesapeake Energy (VA)	1,125	150.4	39.28	1.10	30	468.6	27.55	.20	*	2 777.3	8.16	99	1	*
Possum Point (VA)	743	153.2	38.97	1.07	618	278.4	17.50	.69	--	--	--	83	17	--
Yorktown (VA)	676	156.4	41.10	1.57	14	524.1	30.82	.20	1,099	205.6	2.13	94	*	6
Mount Storm (WV)	4,541	139.1	34.14	1.78	35	469.5	27.61	.20	--	--	--	100	*	--
Storage Facility #1	--	--	--	--	2,019	220.7	13.85	1.09	--	--	--	--	100	--
West Penn Power Co	5,448	144.5	36.89	2.22	25	431.9	25.58	.27	26	407.8	4.08	100	*	*
Armstrong (PA)	970	117.5	29.21	1.96	4	453.6	26.86	.27	--	--	--	100	*	--
Hatfield (PA)	3,822	153.3	39.61	2.22	15	442.8	26.22	.27	--	--	--	100	*	--
Mitchell (PA)	655	130.9	32.38	2.63	*	532.4	31.53	.27	26	407.8	4.08	100	*	*
Springdale (PA)	--	--	--	--	6	383.9	22.74	.27	--	--	--	--	100	--
West Plains Energy	--	--	--	--	--	--	--	--	1,940	2 187.9	1.86	--	--	100
Cimarron River (KS)	--	--	--	--	--	--	--	--	565	236.4	2.59	--	--	100
Large (KS)	--	--	--	--	--	--	--	--	1,229	167.3	1.58	--	--	100
Mullergren (KS)	--	--	--	--	--	--	--	--	146	2 146.7	1.46	--	--	100
West Texas Utilities Co	2,878	152.7	25.59	.35	19	512.3	29.88	.37	38,846	2 200.3	2.03	55	*	45
Oklahoma (TX)	2,878	152.7	25.59	.35	12	548.4	32.01	.40	--	--	--	100	*	--
Oak Creek (TX)	--	--	--	--	--	--	--	--	4,210	184.3	1.86	--	--	100
Paint Creek (TX)	--	--	--	--	2	427.0	24.94	.27	2,315	2 198.0	1.99	--	1	99
Rio Pecos (TX)	--	--	--	--	3	471.0	27.30	.36	9,869	160.8	1.55	--	*	100
San Angelo (TX)	--	--	--	--	2	434.0	25.34	.27	6,114	315.0	3.56	--	*	100
Fort Phantom (TX)	--	--	--	--	--	--	--	--	16,338	179.4	1.80	--	--	100
Western Farmers Elec Coop Inc ..	1,426	178.1	29.95	.44	--	--	--	--	13,574	179.6	1.84	63	--	37
Anadarko (OK)	--	--	--	--	--	--	--	--	11,008	183.5	1.88	--	--	100
Mooreland (OK)	--	--	--	--	--	--	--	--	2,566	162.8	1.66	--	--	100
Hugo (OK)	1,426	178.1	29.95	.44	--	--	--	--	--	--	--	100	--	--
Western Massachusetts Elec Co ..	--	--	--	--	198	252.5	16.04	.96	1,389	224.1	2.29	--	47	53
West Springfield (MA)	--	--	--	--	198	252.5	16.04	.96	1,389	224.1	2.29	--	47	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 31. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels
by Electric Utility and Plant, 1992 (Continued)**

Electric Utility Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10 ⁶ Btu)	(\$ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)	Co- al	Pe- tro- le- um	Gas
Wisconsin Electric Power Co	8,276	127.7	25.82	0.71	26	472.0	27.59	0.28	628	267.3	2.70	100	*	*
Presque Isle (MI)	1,423	164.6	34.33	.62	11	443.2	25.90	.28	--	--	--	100	*	--
Oak Creek (WI)	1,758	152.0	38.78	1.30	--	--	--	--	366	265.6	2.69	99	--	1
Port Washington (WI)	138	154.0	40.78	1.44	--	--	--	--	--	--	--	100	--	--
Valley (WI)	520	166.8	44.13	1.55	--	--	--	--	62	306.2	3.09	100	--	*
Pleasant Prairie (WI)	4,438	90.3	15.36	.38	--	--	--	--	201	258.3	2.62	100	--	*
Storage Facility #1	--	--	--	--	15	492.5	28.79	.28	--	--	--	--	100	--
Wisconsin Power & Light Co	6,333	139.0	25.71	.71	18	429.0	25.23	.00	24	279.5	2.81	100	*	*
Blackhawk (WI)	--	--	--	--	--	--	--	--	24	279.5	2.81	--	--	100
Edgewater (WI)	2,136	150.2	29.23	1.05	8	427.4	25.13	.00	--	--	--	100	*	--
Nelson Dewey (WI)	447	127.6	26.51	.58	2	451.9	26.57	.00	--	--	--	100	*	--
Rock River (WI)	191	195.5	43.37	1.92	1	459.7	27.03	.00	--	--	--	100	*	--
Columbia (WI)	3,558	129.3	22.55	.46	7	419.5	24.67	.00	--	--	--	100	*	--
Wisconsin Public Service Corp	2,200	151.7	28.98	.65	4	507.9	29.44	.22	235	355.4	3.60	99	*	1
Pulliam (WI)	594	177.1	39.27	1.25	--	--	--	--	220	361.8	3.66	98	--	2
Weston (WI)	1,606	140.0	25.17	.43	4	507.9	29.44	.22	15	261.5	2.65	100	*	*
Wyandotte Municipal Serv Comm	104	187.2	49.75	.88	--	--	--	--	364	210.0	2.10	88	--	12
Wyandotte (MI)	104	187.2	49.75	.88	--	--	--	--	364	210.0	2.10	88	--	12
Total	775,963	141.2	29.36	1.29	144,390	255.1	16.15	1.10	2,637,678	232.8	2.38	82	5	14

¹ The 1992 petroleum coke receipts were 687,000 short tons and the cost was 75.0 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.

* = Number less than 0.5.

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

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

Appendix A

Electric Utilities Reporting on the FERC Form 423

Appendix A

Electric Utilities Reporting on the FERC Form 423

This appendix contains a list of the electric utilities that reported on the Federal Energy Regulatory Commis-

sion (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," during 1992.

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

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

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

(Continued)

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

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

Appendix B

References

Appendix B

References

1. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Power Annual*, DOE/EIA-0348(91) (Washington DC, 1993).
2. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Power Monthly*, DOE/EIA-0226(93) (Washington DC, 1993).
3. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Inventory of Power Plants in the United States*, DOE/EIA-0095(92) (Washington DC, 1992).
4. Energy Information Administration, Office of Energy Markets and End Use, *Monthly Energy Review*, DOE/EIA-0035(93) (Washington DC, 1993)

Appendix C

Technical Notes

Technical Notes

Sources of Data

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

FERC Form 423

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

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

Data Processing. A 12-month supply of the FERC Form 423 is mailed to respondents annually by the EIA. Completed forms are due on or before the 45th day following the end of the reporting month. Com-

pleted forms are manually logged in and edited before the data are keypunched for automatic data processing. The electric utility companies are telephoned to obtain data in cases of missing reports and to verify data when questions arise during editing.

An edit program checks the data for errors not found during manual editing. Following verification of the data, computer printouts of aggregated data are produced for inclusion in the publication. After the *Electric Power Monthly (EPM)* is cleared by EIA, the data become available for public use in either custom computer runs, data tapes, or in the publications themselves on a cost-recovery basis. New plants are added to the FERC Form 423 System when respondents indicate the addition of a new plant.

Starting with the January 1993 data, the FERC began collection of the data directly from the respondents. The FERC will process the data through edits and each month provide the EIA with a diskette containing the data. The EIA will review the data for accuracy. Publication schedules will not be effected.

Quality of Data

The Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF) is responsible for routine data improvement and quality assurance activities. All operations of this office are done in accordance with formal standards established by the Energy Information Administration (EIA). These standards are the measuring rod necessary for quality statistics. Data improvement efforts include verification of data-keyed input by automatic computerized methods, editing by subject matter specialists, and follow-up on nonrespondents. Completed forms received by the CNEAF are sorted, screened for completeness of reported information, and keyed onto computer tapes for storage and transfer to data bases on random access storage devices for computer processing. The information coded on the computer tapes is manually spot checked against the forms to certify accuracy of the tapes. To ensure the quality standards established by EIA, algorithms have been designed and implemented using the past history of data values in the data base to check data input for errors automatically. This automatically reduces the

possibility of erroneous entries in the data bases over time as the parameters of the algorithm are updated to reflect new data. Data values rejected by the algorithm are checked with respondents by telephone to correct the problems. Computerized respondent data files are checked to identify those who fail to respond to the survey. By law, nonrespondents may be fined or otherwise penalized for not filing an EIA data form as prescribed in the instructions. Before invoking the law, EIA tries to obtain the required information by encouraging cooperation of nonrespondents.

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

Data Editing System

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

Confidentiality of the Data

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

Formulas

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

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

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

(A) are in Btu per cubic foot, and the unit conversion (U) is 1,000 cubic feet per Mcf.

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

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

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

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

For these formulas:

i denotes a plant

R_i = receipts for plant i

A_i = average heat content for receipts, plant i

U = unit conversion

C_i = fuel cost in cents per million Btu, plant i

* "Unit" = short ton for coal, barrel for petroleum, and thousand cubic feet for gas.

Rounding Rules for Data

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

CNEAF Data Revision Policy

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

1. Annual survey data collected by this office are published either as preliminary or final when first appearing in a data report. Data initially released as preliminary will be revised, if necessary, and declared final in the next publication of the data.

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

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

Use of the Glossary

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

necessary to define the terms as they are used in this report.

Obtaining Copies of Data

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

Energy Information Administration, EI-521
Forrestal Building
U. S. Department of Energy
Washington, DC 20585

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

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

Glossary

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

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

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

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

Bbl: The abbreviation for barrel.

Bcf: The abbreviation for 1 billion cubic feet.

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

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

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

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

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

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

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

Coal: A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, bituminous coal,

subbituminous coal, and lignite, is based on fixed carbon, volatile matter, and heating value. Coal rank indicates the progressive alteration from lignite to anthracite. Lignite contains approximately 9 to 17 million Btu per ton. The contents of subbituminous and bituminous coal range from 16 to 24 million Btu per ton and from 19 to 30 million Btu per ton, respectively. Anthracite contains approximately 22 to 28 million Btu per ton.

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

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

Combined Cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbines. The exiting heat is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of electricity. This process increases the efficiency of the electric generating unit.

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

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

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

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

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

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

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

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

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

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

Energy Information Administration (EIA): An independent agency within the U.S. Department of Energy

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Interruptible Gas: Gas sold to customers with a provision that permits curtailment or cessation of service at the discretion of the distributing company under

certain circumstances, as specified in the service contract.

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

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

MMcf: One million cubic feet.

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

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

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

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

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

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

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

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

Petroleum Coke: See Coke (Petroleum).

Petroleum (Crude Oil): A naturally occurring, oily, flammable liquid composed principally of hydrocarbons. Crude oil is occasionally found in springs or pools but usually is drilled from wells beneath the earth's surface.

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

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

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

Receipts: Deliveries of fuel to an electric plant.

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

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

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

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

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

Stocks (Fuel): A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant

site, in coal cars, tanks, or barges at the plant site, or at separate storage sites.

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

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

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

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

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

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

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

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

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

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